



Test Monitoring Center

@ Carnegie Mellon University
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<http://astmtmc.cmu.edu>
412-365-1000

April 19, 2016

To Participants of the ASTM International Light Duty Rating Workshop:

The ASTM International Light Duty Rating Workshop was held on April 5-7, 2016, in San Antonio, TX. Enclosed are the minutes for the workshop and a copy of all of the data generated.

We would like to take this opportunity to thank you for your participation in this workshop. It is the full participation of the entire rating community that allows the rating methods of Manuals 20 and 21 to be the vital industry tools that they are. The input of each and every rater is a valued component of that tool. Any feedback on improving the workshop is welcome.

Sincerely,

Michael T. Kasimirsky
Workshop Coordinator

Notes on the Data

Following is the data produced during the April 5-7, 2016, ASTM International Light Duty Rating Workshop.

Some of the evaluation techniques are destructive and, therefore, do not easily allow repeated measurement (measurable sludge deposits, ring sticking, carbon probing, and parts wiping for example). Every effort is made to limit the destructive impact of repeated measurement of these deposits but repeatability and reproducibility cannot help but be adversely affected. This must be a consideration when reviewing data from deposits of this type.

The statistics presented include the data from all parts (including calibration parts and practical application parts) and all participants. It is important to have some knowledge of the raters involved when comparing results.

ASTM International strives to make this data useful to as broad a range of industry consumers as possible, however it is primarily intended to provide guidance to workshop participants. ASTM International endorses its use for no other purpose.

Light Duty Rating Workshop

April 5-7, 2016

San Antonio, Texas

Tuesday, April 5, 2016

The workshop began at 8:11am with 30 raters in attendance (see sign-in sheet) and one last-minute absence due to medical issues. Michael Kasimirsky gave some opening remarks on the format of the workshop. Special thanks were given to both Tony Barrera and of Intertek Automotive Research for all their help in gathering the parts used at the workshop. Thanks were also extended to Southwest Research Institute, as they also provided parts for the workshop. With rumors of Tony Barrera's impending retirement, the group took a minute to thank him for all his efforts over the years in making these workshops possible.

The format and room layouts of the workshop were reviewed, along with parts assignments and computer access instructions. Raters were also asked to confirm they received the correct serial-numbered Rust/Varnish/Lacquer Rating Scale and Sludge Depth Scale in their workshop materials.

For 2016, four "baseline" parts were added to the Light Duty Rating Workshop. These four parts were rated by all attendees at the workshop. These four parts consist of a Sequence IIIG piston, a Sequence IIH piston, a GMOD piston, and a mixed set of four Sequence VG & VH pistons. The data from these four parts was evaluated as a stand-alone "color code" for this workshop. All raters that achieve a "non-yellow" color code on these baseline parts were used for the mean and standard deviation calculation for all remaining parts in this workshop. Raters who did not achieve a "non-yellow" color code still had their ratings evaluated on all parts in the workshop; however their ratings were not included in the mean and standard deviation calculations for the workshop parts. No other screening was done on the workshop data.

In addition, all individual merit ratings made by the raters are limited to values in the tenths of merits, as specified in Manual 20. In the past, individual merit ratings could be entered in units down to the hundredths of merits, which is a smaller breakdown than is specified as allowable in Manual 20.

New data entry methods for carbon values were also implemented for this workshop. All carbon ratings are to be entered as character values (HC, LC) instead of the specific merit values. This should help to eliminate data entry errors when entering carbon values.

Also for this workshop, a Minimum Standard Deviation was implemented for all analyses of individual ratings. For all rated locations in this workshop, a minimum standard deviation of 0.05 merits was implemented for the calculations on those ratings. This value is based on one half of the minimum resolution of the measurement tool, which is 0.1 merits for Manual 20 ratings. Any rated location that results in a standard deviation smaller than 0.05 merits will have the minimum standard deviation used for all calculations.

For this workshop, new sludge lights were put into use to replace the aging T12 fluorescent fixtures that had been in use for many years. These new lights use T8 fluorescent bulbs and are equipped with safety grates over the bulbs to protect the raters using them. The bulbs used in these new fixtures are the same "cool white" color temperature as the T12 bulbs they replaced.

Light Duty Rating Workshop

April 5-7, 2016

San Antonio, Texas

Prior to starting the Preliminary Exercise, the raters were reminded to not touch or remove the deposits found on the parts in any way during the rating process. This includes touching or picking at carbon deposits with a pencil or other probe. Raters were also reminded that non-standard light sources are not to be used during the rating workshop.

At 8:55am, the group began rating the Preliminary Exercise.

At 12:00pm, the group adjourned for lunch.

At 12:25pm, the group returned to finish up the rating of the Preliminary Exercise.

At 4:00pm, the group began reviewing the Baseline Parts of the Preliminary Exercise rating data.

At 4:25pm, the review of the Preliminary Exercise parts was stopped so that a few of the Baseline parts could have some data entry errors corrected. Since these parts were used for determining who will be used in the target calculations, it was imperative that this data be correct. After some discussion, the group decided to begin rating the Practical Application exercise and reconvene at 9:00am on Wednesday morning to complete the data review of the Preliminary Exercise parts.

At 4:30pm, the group began rating the Practical Application exercise.

At 5:00pm, the group adjourned for the evening.

Wednesday, April 6, 2016

Rating of the Practical Application exercise parts continued all day, with a break for lunch at 11:55am. The room was opened at 6:15am and closed at 5:45pm for the day.

At 9:10am, the group began the review of the Preliminary Exercise parts from Day 1 of the workshop.

At 9:50am, the group completed the review of the Preliminary Exercise parts from Day 1 of the workshop, and resumed rating of the Practical Application exercise parts.

Thursday, April 7, 2016

The room was opened for rating at 6:10am and the group finished rating the Practical Application exercise parts.

At 11:50am, the group adjourned for lunch.

At 12:20pm, the group returned to finish up the rating of the Preliminary Exercise.

At 2:00pm, the group reviewed the Practical Application exercise data.

At 4:45pm, the workshop concluded.

Light Duty Rating Workshop

April 5-7, 2016

San Antonio, Texas

Discussions

Baseline Ratings

One of the ongoing issues in the Rating Workshop has been the screening of the data used in the calculations for evaluating the results of the workshop. While the stated intention has always been to limit attendance to those with some rating experience, there is no practical way to enforce such a criterion. To minimize the impact that less-experienced raters have on the results of the workshop, past workshop data has been screened for outliers using ASTM Standard E178, Standard Practice for Dealing with Outlying Observations, using a 99.8% confidence interval. Rating results falling outside these outlier criteria were removed from the workshop results.

For this workshop, a new plan was implemented. Four “baseline” parts were added to the workshop, with the intention that all attendees were required to rate these parts and generate data on them. The four baseline parts and locations to be rated, were as follows:

- Sequence IIIG Piston – Grooves 1 & 3, Land 3, Thrust skirt.
- Sequence IIIH Piston – Grooves 1 & 3, Land 3, Front skirt.
- GMOD Piston – Grooves 1 & 2, Land 3, Thrust skirt.
- Sequence VG & VH Pistons – VG skirts 1-3, VH skirt 4.

These four pistons were evaluated on a “color code” based on only the data from these four parts. All raters who generated a “non-yellow” color code on these baseline parts were used in all further mean and standard deviation calculations for this workshop. Raters who failed to achieve a “non-yellow” color code were still evaluated on all the parts in the workshop; however, their data was not used as part of the mean and standard deviation calculation on the parts. No other screening was performed on the workshop data.

Sludge Rating Table Lighting

For this workshop, new T8 fluorescent light fixtures were introduced to replace the existing T12 fluorescent light fixtures that had been used for sludge ratings. With T12 bulbs going out of production due to federal regulations, a move to T8 bulbs made sense at this time. These new fixtures are also equipped with wire grates over the tubes to increase the safety of the workshop participants. These new fixtures use Cool White bulbs of similar color temperature and color rendering index as the T12 fixtures they replaced.

Minimum Standard Deviation

For this workshop, a Minimum Standard Deviation of 0.05 merits was implemented for all Y_i calculations on the individual rating locations. While all present agreed that this was a step in the right direction, several of the raters expressed a desire to see this value raised from 0.05 merits to 0.1 merits or 0.2 merits. No resolution was reached on making any changes to this value.

Light Duty Rating Workshop

April 5-7, 2016

San Antonio, Texas

Use of LED Lighting in Rating

The possible use of LED lighting for rating applications was discussed at this workshop. Due to Federal regulations, fluorescent lighting is on its way out. One participant laboratory noted that they are required to call local emergency services, including a full "haz-mat" response, when a fluorescent bulb is broken in the lab, due to the mercury content of the bulb.

While LED lighting is not approved for rating use at this time, many agreed that LED lighting is the future and eventually the industry would have to investigate this technology and determine what requirements need to be in place to make sure it performs suitably in a rating environment. Factors such as overall light output, color temperature, and the color rendering index of the LED lights have to be evaluated and determined to be equivalent to the current fluorescent lights.

Waldmann Lighting provided two example LED light fixtures, to replace the existing "round" and "two-bulb" rating light fixtures currently used for rating, for evaluation at the workshop. These light fixtures are currently used in the CEC rating methods used in European testing. The four "baseline" parts used in the Preliminary Exercise were placed in a rating booth with these two new LED light fixtures and the participants were asked to rate these parts a second time, using LED lighting, so that their ratings can be compared to the results obtained using the existing fluorescent light fixtures.

Unfortunately, only nine raters chose to rerate the baseline parts using the LED light fixtures, generating a total of 31 ratings, which limits any kind of performance analysis of the new lighting technology. An analysis of those limited results will be published in a separate document.

Future Workshops

The next Heavy Duty Rating Workshop will be held on October 4-6, 2016, at this same location.

The next Light Duty Rating Workshop will be held in April 2017.

Contact Information for TMC Manuals 20 & 21 and other rating scales and aids:

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ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
phone: (610) 832-9570
fax: (610) 834-7078
email: yreese@astm.org

Light Duty Rating Workshop 2016

Sign-In Sheet

Aguirre, Nancy P

Nancy P Aguirre

Barrera, Tony

Tony Barrera

Broff, Andy

Andy Broff

Cales, Jonathon

Jonathon Cales

Campbell, Bryan

Bryan Campbell

Caproni, David

David Caproni

Castillo, George

George Castillo

Cumberworth, Lee

Lee Cumberworth

DeCapite, Vanessa

Vanessa DeCapite

Dominguez, Lucio

Lucio Dominguez

Foecking, Brian

Brian Foecking

Garza, Juan

Juan Garza

Greenland, Paul

Paul Greenland

Hurst, Kevin R.

Kevin R. Hurst

King, Jennifer

Jennifer King

Kobrinetz, Joaquin J.

Joaquin J. Kobrinetz

Langford, Mike

Mike Langford

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Lowsky, John

John Lowsky

May, Marianne

Marianne May

Potocar, William P

William P. Potocar

Price, Gregory

Gregory Price

Reese, Kyle

Kyle Reese

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Seiz, Ray

Ray Seiz

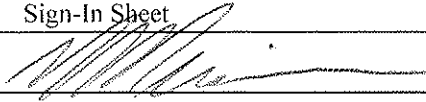
Trevino, Robert

Robert Trevino

Light Duty Rating Workshop 2016

Sign-In Sheet

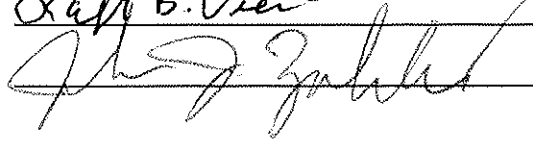
Veiga, Victor



Viera, Ralph B.

Ralph B. Viera

Zalewski, John



Light Duty Rating Workshop 2016

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Aguirre, Nancy P

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Lucio Dominguez

Foecking, Brian

Brian Foecking

Garza, Juan

Juan Garza

Greenland, Paul

Paul Greenland

Hurst, Kevin R.

Kevin R. Hurst

King, Jennifer

Jennifer King

Kobrinetz, Joaquin J.

Joaquin J. Kobrinetz

Langford, Mike

Mike Langford

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Lowsky, John

John Lowsky

May, Marianne

Marianne May

Potocar, William P

William P. Potocar

Price, Gregory

Gregory Price

Reese, Kyle

Kyle Reese

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Seiz, Ray

Ray Seiz

Trevino, Robert

Robert Trevino

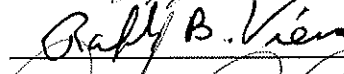
Light Duty Rating Workshop 2016

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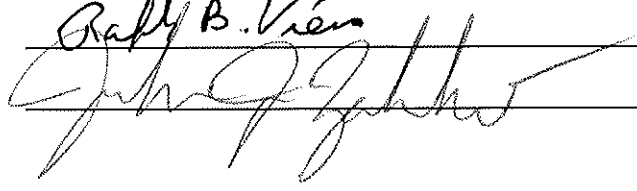
Veiga, Victor



Viera, Ralph B.



Zalewski, John



Light Duty Rating Workshop 2016

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Joaquin J Kobrinetz

Langford, Mike

Mike Langford

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Lowsky, John

John Lowsky

May, Marianne

Marianne May

Potocar, William P

William P Potocar

Price, Gregory

Gregory Price

Reese, Kyle

Kyle Reese

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Seiz, Ray

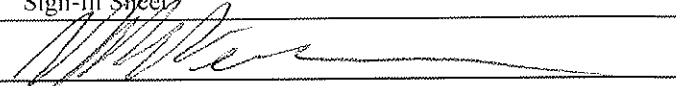
Ray Seiz

Trevino, Robert

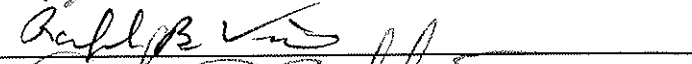
Light Duty Rating Workshop 2016

Sign-In Sheet

Veiga, Victor



Viera, Ralph B.



Zalewski, John



Welcome to the Light Duty Rating Workshop

- Please sign in and pick up your rating scales packet.
- Rating Worksheets are at the back of the room.



Light Duty Rating Workshop

April 2016



Volunteers

- Thank you to Tony Barrera and the entire Intertek Staff for their support and for providing parts for the workshop.
- Thank you to Southwest Research Institute for providing parts for the workshop.



Rating Workshop Server Info

- To access the workshop server, access the local wireless network called “Rating Workshop”
- Workshop Web Address: <http://192.168.2.8/>
- Enter your *username* (printed in red on the summary page in your packet) in the “password” field on the entry screen. [Leave “TMC” in the other field.]
- Make sure Internet Explorer is using “compatibility mode” before you start entering data.
- If individual ratings do not auto-calculate, **stop and get help before entering additional data!**



New Rating Scales

- New Rust/Lacquer/Varnish scale included.
- New Sludge Rating Photo scale included.
- Please verify the serial number of both scales in your packet against the numbers listed on the summary page in your packet.
- *Rating Worksheets and a copy of the Room Layout are not included in the packet, but are available on the table at the back of the room.*



Rating Manuals

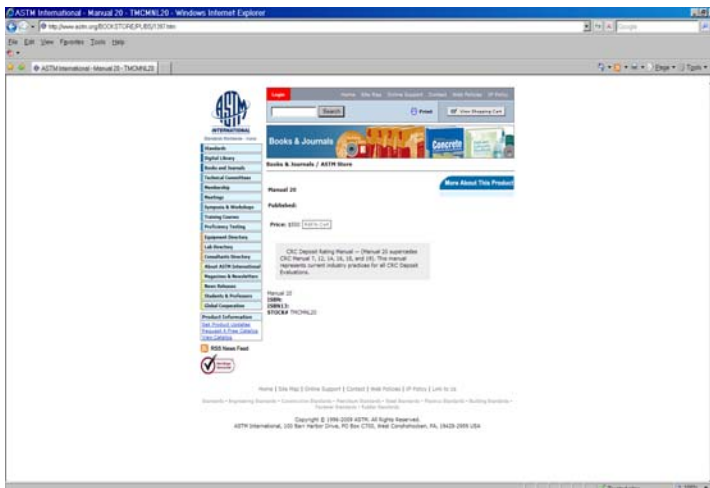
ASTM Headquarters supplies:

- TMC Manual 20 – Deposits
- TMC Manual 21 – Distress
 - Scales included

Go to : WWW.ASTM.ORG



Rating Manuals 20 & 21



Workshop Format

- Preliminary Exercise
 - Sludge Parts
 - Two Rocker Cover Baffles
 - Varnish Parts
 - Four “Composite” Pistons (IIIG, IIIH, GMOD)
 - Four sets of “calibration” Seq. VG pistons (4 pistons)
 - Two sets of “calibration” Seq. VH pistons (4 pistons)
 - Two Rocker Cover Baffles
 - Intake Valves & Piston Tops (2 of each)
 - Four “Baseline Reference” Parts – *All Attendees Must Rate.*
- Data Review & Discussion



Workshop Format (Continued)

- Practical Application
 - Light Duty Piston Deposits
 - Three “Letter Sets” of Pistons
 - Three III G Pistons
 - Two III H Pistons
 - Two G MOD Pistons
 - Two *Field* Pistons
 - Sequence V Varnish
 - Four Sequence VG piston sets (8 pistons per set)
 - Two Sequence VH piston sets (8 pistons per set)
 - Right & Left Rocker Cover Baffle



Workshop Format (Continued)

- Practical Application (continued)
 - Engine Sludge (Seq. V)
 - Right & Left Rocker Cover
 - Right & Left Rocker Cover Baffle
 - Timing Chain Cover
 - Oil Pan & Oil Pan Baffle
 - Right & Left Valve Deck
 - Induction & Combustion
 - Piston Tops (8)
 - Intake Valves (two sets of 8 valves)
 - Sludge & Debris
 - Seq. V Oil Screen



Workshop Format (Continued)

- Data Review & Discussion



Parts Assignments

- Preliminary Exercise
 - Two “Composite” Pistons
 - Two sets of Calibration Sequence VG pistons
 - One set of Calibration Sequence VH pistons
 - Four “Baseline Reference” Parts
- Practical Application
 - One Set of “Lettered” parts (A, B, C)
 - Three Sequence III G Pistons
 - Two Sequence III H Pistons
 - Two GMOD Pistons
 - Two *Field* Pistons
 - Two Sets of Sequence VG Pistons (8 pistons per set)
 - One Set of Sequence VH Pistons (8 pistons per set)
 - LED Lighting Evaluation



Parts Assignments (cont.)

- Parts assignments are the minimum required.
- Additional ratings are always advantageous.
- You're always free, and encouraged, to rate additional parts, if time allows.
- Any sludge deposit ratings of "C" depth or greater will be provided; i.e. no "gauging" of sludge will be required, **or permitted**, at the workshop.



Parts Modifications

- No modifications to any parts is permitted during the rating workshop.
 - Do not pick at or remove any deposits present on the parts.
 - Removing deposits from a part, to determine the deposit depth (or any other reason), is not permitted.
 - Any part found to be modified in this manner will be removed from the workshop calculations.



Use of Non-Standard Lighting

- Manual 20 lists specific requirements for the lighting color temperature and illumination level required for rating. (page 15)
- Sufficient lighting for rating is provided at each rating workstation.
- The use of non-standard lighting is not permitted.
 - No flashlights.
 - Ratings generated using non-standard lighting may be removed from the workshop results.



Workshop Changes for 2016

- Use of “Baseline Reference” parts for establishing Workshop Targets.
- New Merit Scale Breakdown Limits.
- New Method for Entering Carbon Ratings.
- Implement a Minimum Standard Deviation for results calculations.
- LED Lighting Evaluation



“Baseline Reference” Parts

- Four “Baseline Reference” Parts added for 2016.
 - Limited ratings of each part
 - IIIG – Grooves 1 & 3, Land 3, Thrust skirt
 - IIIH – Grooves 1 & 3, Land 3, Front skirt
 - GMOD – Grooves 1 & 2, Land 3, Thrust skirt
 - Seq. V – 3 VG skirts, 1 VH skirt
 - All Raters required to rate these four parts.
 - These four parts will be evaluated on a separate color code, before any other parts are reviewed.



“Baseline Reference” Parts (cont)

- Raters achieving a “non-yellow” color code on these parts will be used in the target data set for all remaining parts in the workshop.
- Raters who achieve a “yellow” color code (or fail to generate sufficient data for a color code evaluation) will not be used in the mean and standard deviation calculation for any other parts.
- Raters not used for the targets will still be evaluated on the remaining workshop parts.
- No data screening will be done on the results of this workshop.



Merit Rating Scale

- **Merit Rating** – Amount of a distress or deposit in numerical terms on a descending scale from ten (10), which represents absence of distress or deposits. (page 10)
 - Even though the scale is in whole number increments, it is permissible to assign deposit factors in tenths of a number in an effort to accurately describe the intensity level. (page 16)
- Merit rating values in increments smaller than tenths of a merit are not permitted.



Groove Deposit Review

| | | | |
|--------------------------|------|------------|------|
| Typical Illustration | | | |
| Clearance Fill | 100% | >25% <100% | ≤25% |
| Description | HC | MC | LC |
| Deposit Factor (Demerit) | 1.00 | 0.50 | 0.25 |
| Deposit Factor (Merit) | 0.00 | 0.50 | 0.75 |

HC = heavy carbon
 MC = medium carbon
 LC = light carbon

Note that small-bore pistons only use two levels of carbon, Heavy Carbon (HC) & Light Carbon (LC).



Recording Carbon Levels

- Carbon Merit Ratings are to be recorded using text values, not numbers, in the workshop software.
 - HC Heavy Carbon (0.00 merits)
 - LC Light Carbon (0.75 merits)
 - Text values ARE CASE SENSITIVE



Results Calculations

- Implementation of a “Minimum Standard Deviation” for all results calculations.
 - Smallest measurement increment allowed by the methods listed in Manual 20 is 0.1 merits.
 - Good engineering practice for making a measurement is to limit the measurement to one half of the smallest measurement unit on the instrument.
 - Based upon these factors, 0.05 merits is the smallest standard deviation that will be used in all parts calculations.
 - Values larger than this limit will be used as calculated.



LED Lighting Evaluation

- Waldmann Lighting has provided two LED task lights for our evaluation as a rating light.
 - *Tevisio* round light replacement
 - *Taneo* “two bulb” light replacement
- These lights will be available in one booth during the Practical Applications Exercise.
- All four of the “Baseline Reference” parts will be available in this booth for comparison rating.
- Please rate as many parts as you have time to do, so that we can evaluate this technology.



Workshop Color Codes

- Light Duty Piston Deposits (minimum of 6 parts needed)
 - Four “Composite” Pistons
 - “Lettered” Piston sets
 - Nine Sequence III G Pistons
 - Six Sequence III H Pistons
 - Six G MOD Pistons
 - Six *Field* Pistons
- Sequence V Varnish (minimum of 24 parts needed)
 - Rocker Baffle Varnish (both exercises)
 - Four Calibration Sequence VG Piston Sets (4 pistons per set)
 - Two Calibration Sequence VH Piston Sets (4 pistons per set)
 - Four Sequence VG Piston Sets (8 pistons per set)
 - Two Sequence VH Piston Sets (8 pistons per set)



Workshop Color Codes (cont.)

- Sludge (minimum of 6 parts needed)
 - Calibration Rocker Cover Baffles
 - Complete Sequence VG Engine sludge rating
 - Rocker Covers
 - Rocker Cover Baffles
 - Valve Deck Sludge
 - Timing Chain Cover
 - Oil Pan
 - Oil Pan Baffle
- Induction & Combustion (minimum of 6 parts needed)
 - Intake Valves
 - Piston Tops



Light Duty Rating Workshop
Data Entry Network

<http://192.168.2.8/>



Light Duty Rating Workshop 2016 – Preliminary Exercise

Left Rocker Cover Baffle Sludge
Left Rocker Cover Baffle Varnish

Right Rocker Cover Baffle Sludge
Right Rocker Cover Baffle Varnish

| | | |
|---------------------------|---------------------------|---|
| Cal-A IIIG Groove 1 | Cal-A IIIG Groove 2 | Cal-A GMOD Groove 3 |
| Cal-A IIIG Land 3 | Cal-A IIIG Land 2 | Cal-A GMOD Undercrown, Thrust, Anti-Thrust |

| | | |
|---|---------------------------|---------------------------|
| Cal-B IIIG Groove 3 | Cal-B IIIG Groove 2 | Cal-B GMOD Groove 1 |
| Cal-B IIIG Undercrown, Thrust, Anti-Thrust | Cal-B IIIG Land 2 | Cal-B GMOD Land 3 |

| | | |
|---------------------------|---------------------------|---|
| Cal-D IIIG Groove 1 | Cal-D IIIG Groove 2 | Cal-D GMOD Groove 3 |
| Cal-D IIIG Land 3 | Cal-D IIIG Land 2 | Cal-D GMOD Undercrown, Thrust, Anti-Thrust |

| | | |
|---|---------------------------|---------------------------|
| Cal-C IIIG Groove 3 | Cal-C IIIG Groove 2 | Cal-C GMOD Groove 1 |
| Cal-C IIIG Undercrown, Front, Rear | Cal-C IIIG Land 2 | Cal-C GMOD Land 3 |

| | | |
|--|--|------------------------------------|
| REF-1 IIIG G1, G3, L3, TH | REF-2 IIIG G1, G3, L3, FR | VALCAL Intake Valve Deposits |
| REF-3 GMOD G1, G2, L3, TH | REF-4 VG skirt 1-3 VH skirt 4 | PTCAL Piston Top Deposits |

| | | |
|--|--|--|
| Cal Piston K1-4 VH Piston Skirts | Cal Piston F1-4 VG Piston Skirts | Cal Piston E1-4 VG Piston Skirts |
| Cal Piston L1-4 VH Piston Skirts | Cal Piston H1-4 VG Piston Skirts | Cal Piston G1-4 VG Piston Skirts |

Light Duty Rating Workshop 2016 – Practical Application

L Rocker Cover, L RC Baffle, L RC Baffle Varnish, L Valve Deck Sludge, Timing Chain, Oil Screen

R Rocker Cover, R RC Baffle, R RC Baffle Varnish, R Valve Deck Sludge, Oil Pan, Oil Pan Baffle

| | | |
|------------|------------|------------|
| A1 IIIG | A2 IIIG | A3 IIIG |
| A4 IIIH | A5 IIIH | A6 GMOD |

| | | |
|------------|------------|------------|
| B3 IIIG | B2 IIIG | B1 IIIG |
| B6 GMOD | B5 IIIH | B4 IIIH |

| | | |
|-------------|-------------|-------------|
| A7 GMOD | B7 GMOD | C7 GMOD |
| A8 Field | B8 Field | C8 Field |

| | | |
|------------|------------|------------|
| C3 IIIG | C2 IIIG | C1 IIIG |
| C6 GMOD | C5 IIIH | C4 IIIH |

| | | |
|-------------|-------------------------------------|----------------------------|
| A9 Field | B9 Field | H1-8/I1-8 Intake Valves |
| C9 Field | LED Evaluation Booth | PTOPS Piston Tops |

| | | |
|-----------------------------|-----------------------------|-----------------------------|
| T1-8 VH Piston Skirts | Q1-8 VG Piston Skirts | P1-8 VG Piston Skirts |
| U1-8 VH Piston Skirts | S1-8 VG Piston Skirts | R1-8 VG Piston Skirts |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-1 - BASELINE SEQ IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G3TOT | L3TOT | THTOT |
|--------------------------|--------|-------|-------|-------|
| Aguirre, Nancy P | 1.27 | 9.33 | 2.65 | 9.70 |
| Barrera, Tony | 1.19 | 9.47 | 2.35 | 9.73 |
| Broff, Andy | 0.22 | 9.30 | 1.55 | 9.81 |
| Cales, Jonathon | 1.01 | 9.23 | 3.41 | 9.78 |
| Campbell, Bryan | 1.64 | 9.21 | 3.31 | 9.75 |
| Caproni, David | 0.89 | 9.51 | 2.83 | 9.77 |
| Castillo, George | 1.21 | 9.56 | 2.62 | 9.53 |
| DeCapite, Vanessa | 1.29 | 9.61 | 2.14 | 9.72 |
| Dominguez, Lucio | 1.43 | 9.28 | 2.63 | 9.59 |
| Foecking, Brian | 1.28 | 9.48 | 2.03 | 9.46 |
| Garza, Juan | 1.50 | 8.95 | 2.03 | 9.20 |
| Greenland, Paul | 1.25 | 9.61 | 3.63 | 9.70 |
| Hurst, Kevin R. | 0.91 | 9.23 | 2.15 | 9.57 |
| King, Jennifer | 1.25 | 9.31 | 2.31 | 9.76 |
| Kobrinetz, Joaquin J. | 1.34 | 9.41 | 2.52 | 9.76 |
| Langford, Mike | 1.16 | 9.58 | 2.47 | 9.77 |
| Lonsway, Chris | 1.28 | 9.29 | 2.38 | 9.57 |
| Lopez, Frank | 1.10 | 9.40 | 1.67 | 9.67 |
| Lowsky, John | 1.54 | 9.61 | 3.29 | 9.74 |
| May, Marianne | 0.87 | 9.55 | 3.06 | 9.67 |
| Potocar, William P | 1.00 | 9.24 | 2.35 | 9.50 |
| Price, Gregory | 1.40 | 9.33 | 2.57 | 9.59 |
| Reese, Kyle | 1.16 | 9.39 | 3.12 | 9.70 |
| Rodriguez, Jesus (Jesse) | 1.16 | 9.25 | 2.28 | 9.67 |
| Sanchez, Arthur | 1.19 | 9.31 | 2.32 | 9.50 |
| Seiz, Ray | 1.26 | 9.42 | 3.03 | 9.53 |
| Trevino, Robert | 1.54 | 9.33 | 2.81 | 9.68 |
| Veiga, Victor | 1.22 | 8.48 | 2.86 | 9.73 |
| Viera, Ralph B. | 1.48 | 9.55 | 3.21 | 9.66 |
| Zalewski, John | 0.75 | 9.39 | 2.67 | 9.67 |
| MAXIMUM | 1.64 | 9.61 | 3.63 | 9.81 |
| MINIMUM | 0.22 | 8.48 | 1.55 | 9.20 |
| RANGE(MAX-MIN) | 1.420 | 1.130 | 2.080 | 0.610 |
| MEAN | 1.193 | 9.354 | 2.608 | 9.649 |
| STANDARD DEVIATION | 0.281 | 0.224 | 0.505 | 0.128 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-1 - BASELINE SEQ IIIG PISTON

REF-1 Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G3TOT | L3TOT | TH1TOT |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 0.27 | -0.11 | 0.08 | 0.40 |
| Barrera, Tony | -0.01 | 0.52 | -0.51 | 0.63 |
| Broff, Andy | -3.47 | -0.24 | -2.09 | 1.26 |
| Cales, Jonathon | -0.65 | -0.55 | 1.59 | 1.02 |
| Campbell, Bryan | 1.59 | -0.64 | 1.39 | 0.79 |
| Caproni, David | -1.08 | 0.70 | 0.44 | 0.94 |
| Castillo, George | 0.06 | 0.92 | 0.02 | -0.93 |
| DeCapite, Vanessa | 0.35 | 1.15 | -0.93 | 0.55 |
| Dominguez, Lucio | 0.84 | -0.33 | 0.04 | -0.46 |
| Foecking, Brian | 0.31 | 0.56 | -1.14 | -1.48 |
| Garza, Juan | 1.09 | -1.80 | -1.14 | -3.52 |
| Greenland, Paul | 0.20 | 1.15 | 2.02 | 0.40 |
| Hurst, Kevin R. | -1.01 | -0.55 | -0.91 | -0.62 |
| King, Jennifer | 0.20 | -0.20 | -0.59 | 0.87 |
| Kobrinetz, Joaquin J. | 0.52 | 0.25 | -0.17 | 0.87 |
| Langford, Mike | -0.12 | 1.01 | -0.27 | 0.94 |
| Lonsway, Chris | 0.31 | -0.28 | -0.45 | -0.62 |
| Lopez, Frank | -0.33 | 0.21 | -1.86 | 0.16 |
| Lowsky, John | 1.24 | 1.15 | 1.35 | 0.71 |
| May, Marianne | -1.15 | 0.88 | 0.89 | 0.16 |
| Potocar, William P | -0.69 | -0.51 | -0.51 | -1.17 |
| Price, Gregory | 0.74 | -0.11 | -0.08 | -0.46 |
| Reese, Kyle | -0.12 | 0.16 | 1.01 | 0.40 |
| Rodriguez, Jesus (Jesse) | -0.12 | -0.46 | -0.65 | 0.16 |
| Sanchez, Arthur | -0.01 | -0.20 | -0.57 | -1.17 |
| Seiz, Ray | 0.24 | 0.30 | 0.83 | -0.93 |
| Trevino, Robert | 1.24 | -0.11 | 0.40 | 0.24 |
| Veiga, Victor | 0.10 | -3.90 | 0.50 | 0.63 |
| Viera, Ralph B. | 1.02 | 0.88 | 1.19 | 0.08 |
| Zalewski, John | -1.58 | 0.16 | 0.12 | 0.16 |
| MAXIMUM | -3.47 | -3.90 | -2.09 | -3.52 |
| MINIMUM | -0.01 | -0.11 | 0.02 | 0.08 |
| RANGE(MAX-MIN) | -3.458 | -3.797 | -2.118 | -3.599 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-2 - BASELINE SEQ IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G3TOT | L3TOT | FRTOT |
|--------------------------|--------|-------|-------|-------|
| Aguirre, Nancy P | 0.75 | 6.98 | 2.98 | 9.49 |
| Barrera, Tony | 0.75 | 6.46 | 2.53 | 8.79 |
| Broff, Andy | 0.00 | 5.85 | 2.60 | 8.18 |
| Cales, Jonathon | 0.75 | 6.52 | 2.99 | 9.16 |
| Campbell, Bryan | 0.68 | 6.61 | 2.98 | 7.43 |
| Caproni, David | 0.74 | 6.55 | 2.83 | 8.70 |
| Castillo, George | 0.74 | 6.46 | 2.68 | 8.57 |
| DeCapite, Vanessa | 0.75 | 5.99 | 2.50 | 9.01 |
| Dominguez, Lucio | 0.75 | 5.85 | 2.56 | 8.45 |
| Foecking, Brian | 0.74 | 6.73 | 2.50 | 9.14 |
| Garza, Juan | 0.75 | 5.20 | 2.23 | 8.41 |
| Greenland, Paul | 0.68 | 6.33 | 2.56 | 9.21 |
| Hurst, Kevin R. | 0.74 | 5.80 | 2.29 | 9.11 |
| King, Jennifer | 0.75 | 6.37 | 2.82 | 9.15 |
| Kobrinetz, Joaquin J. | 0.73 | 6.08 | 2.84 | 9.00 |
| Langford, Mike | 0.69 | 6.39 | 2.33 | 8.99 |
| Lonsway, Chris | 0.75 | 5.81 | 2.62 | 9.11 |
| Lopez, Frank | 0.75 | 6.16 | 2.02 | 9.45 |
| Lowsky, John | 0.47 | 6.30 | 2.89 | 9.19 |
| May, Marianne | 0.75 | 6.52 | 3.03 | 9.40 |
| Potocar, William P | 0.75 | 6.26 | 3.01 | 9.15 |
| Price, Gregory | 0.74 | 6.62 | 2.62 | 9.26 |
| Reese, Kyle | 0.71 | 6.11 | 2.12 | 9.11 |
| Rodriguez, Jesus (Jesse) | 0.75 | 6.03 | 2.45 | 9.46 |
| Sanchez, Arthur | 0.75 | 6.73 | 2.67 | 9.33 |
| Seiz, Ray | 0.73 | 6.85 | 2.42 | 8.78 |
| Trevino, Robert | 0.73 | 7.06 | 3.16 | 9.16 |
| Veiga, Victor | 0.73 | 6.69 | 2.09 | 8.93 |
| Viera, Ralph B. | 0.68 | 6.47 | 3.11 | 8.93 |
| Zalewski, John | 0.75 | 6.92 | 2.60 | 9.42 |
| MAXIMUM | 0.75 | 7.06 | 3.16 | 9.49 |
| MINIMUM | 0.00 | 5.20 | 2.02 | 7.43 |
| RANGE(MAX-MIN) | 0.750 | 1.860 | 1.140 | 2.060 |
| MEAN | 0.701 | 6.357 | 2.634 | 8.982 |
| STANDARD DEVIATION | 0.143 | 0.415 | 0.311 | 0.438 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-2 - BASELINE SEQ IIIH PISTON

REF-2 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G3TOT | L3TOT | FRTOT |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 0.34 | 1.50 | 1.11 | 1.16 |
| Barrera, Tony | 0.34 | 0.25 | -0.34 | -0.44 |
| Broff, Andy | -4.91 | -1.22 | -0.11 | -1.83 |
| Cales, Jonathon | 0.34 | 0.39 | 1.14 | 0.41 |
| Campbell, Bryan | -0.15 | 0.61 | 1.11 | -3.55 |
| Caproni, David | 0.27 | 0.47 | 0.63 | -0.65 |
| Castillo, George | 0.27 | 0.25 | 0.15 | -0.94 |
| DeCapite, Vanessa | 0.34 | -0.88 | -0.43 | 0.06 |
| Dominguez, Lucio | 0.34 | -1.22 | -0.24 | -1.22 |
| Foecking, Brian | 0.27 | 0.90 | -0.43 | 0.36 |
| Garza, Juan | 0.34 | -2.79 | -1.30 | -1.31 |
| Greenland, Paul | -0.15 | -0.06 | -0.24 | 0.52 |
| Hurst, Kevin R. | 0.27 | -1.34 | -1.11 | 0.29 |
| King, Jennifer | 0.34 | 0.03 | 0.60 | 0.38 |
| Kobrinetz, Joaquin J. | 0.20 | -0.67 | 0.66 | 0.04 |
| Langford, Mike | -0.08 | 0.08 | -0.98 | 0.02 |
| Lonsway, Chris | 0.34 | -1.32 | -0.05 | 0.29 |
| Lopez, Frank | 0.34 | -0.47 | -1.98 | 1.07 |
| Lowsky, John | -1.62 | -0.14 | 0.82 | 0.47 |
| May, Marianne | 0.34 | 0.39 | 1.27 | 0.95 |
| Potocar, William P | 0.34 | -0.23 | 1.21 | 0.38 |
| Price, Gregory | 0.27 | 0.64 | -0.05 | 0.63 |
| Reese, Kyle | 0.06 | -0.60 | -1.65 | 0.29 |
| Rodriguez, Jesus (Jesse) | 0.34 | -0.79 | -0.59 | 1.09 |
| Sanchez, Arthur | 0.34 | 0.90 | 0.11 | 0.79 |
| Seiz, Ray | 0.20 | 1.19 | -0.69 | -0.46 |
| Trevino, Robert | 0.20 | 1.70 | 1.69 | 0.41 |
| Veiga, Victor | 0.20 | 0.80 | -1.75 | -0.12 |
| Viera, Ralph B. | -0.15 | 0.27 | 1.53 | -0.12 |
| Zalewski, John | 0.34 | 1.36 | -0.11 | 1.00 |
| MAXIMUM | -4.91 | -2.79 | -1.98 | -3.55 |
| MINIMUM | 0.06 | 0.03 | -0.05 | 0.02 |
| RANGE(MAX-MIN) | -4.974 | -2.822 | -1.930 | -3.564 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-3 - BASELINE GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | L3TOT | THTOT |
|--------------------------|--------|-------|-------|-------|
| Aguirre, Nancy P | 2.12 | 6.67 | 8.91 | 9.74 |
| Barrera, Tony | 1.43 | 5.39 | 8.62 | 9.71 |
| Broff, Andy | 1.98 | 6.25 | 8.35 | 9.88 |
| Cales, Jonathon | 1.79 | 4.45 | 9.05 | 9.70 |
| Campbell, Bryan | 2.14 | 4.93 | 8.63 | 9.71 |
| Caproni, David | 1.46 | 5.55 | 8.94 | 9.73 |
| Castillo, George | 1.53 | 6.00 | 9.34 | 9.74 |
| DeCapite, Vanessa | 1.25 | 5.04 | 9.16 | 9.88 |
| Dominguez, Lucio | 1.44 | 5.39 | 9.13 | 9.59 |
| Foecking, Brian | 1.66 | 6.47 | 9.33 | 9.57 |
| Garza, Juan | 1.74 | 6.84 | 9.25 | 9.65 |
| Greenland, Paul | 1.89 | 6.50 | 9.05 | 9.88 |
| Hurst, Kevin R. | 1.43 | 6.08 | 8.93 | 9.64 |
| King, Jennifer | 1.54 | 5.79 | 9.10 | 9.95 |
| Kobrinetz, Joaquin J. | 1.52 | 5.57 | 9.07 | 9.84 |
| Langford, Mike | 1.88 | 4.74 | 9.10 | 9.91 |
| Lonsway, Chris | 1.50 | 5.20 | 9.12 | 9.66 |
| Lopez, Frank | 1.39 | 5.74 | 9.27 | 9.69 |
| Lowsky, John | 1.87 | 6.63 | 9.22 | 9.85 |
| May, Marianne | 1.46 | 6.36 | 9.35 | 9.74 |
| Potocar, William P | 1.36 | 5.19 | 9.30 | 9.69 |
| Price, Gregory | 1.78 | 5.23 | 8.85 | 9.59 |
| Reese, Kyle | 1.95 | 5.10 | 9.68 | 9.58 |
| Rodriguez, Jesus (Jesse) | 1.36 | 5.35 | 8.94 | 9.70 |
| Sanchez, Arthur | 1.77 | 6.77 | 9.28 | 9.81 |
| Seiz, Ray | 1.97 | 5.01 | 9.46 | 9.91 |
| Trevino, Robert | 1.78 | 6.54 | 8.75 | 9.71 |
| Veiga, Victor | 1.37 | 6.32 | 8.90 | 9.78 |
| Viera, Ralph B. | 1.39 | 5.67 | 9.48 | 9.89 |
| Zalewski, John | 2.00 | 5.52 | 9.31 | 9.54 |
| MAXIMUM | 2.14 | 6.84 | 9.68 | 9.95 |
| MINIMUM | 1.25 | 4.45 | 8.35 | 9.54 |
| RANGE(MAX-MIN) | 0.890 | 2.390 | 1.330 | 0.410 |
| MEAN | 1.658 | 5.743 | 9.096 | 9.742 |
| STANDARD DEVIATION | 0.259 | 0.669 | 0.284 | 0.115 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-3 - BASELINE GMOD PISTON

REF-3 Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | L3TOT | THTOT |
|--------------------------|--------|--------|--------|-------|
| Aguirre, Nancy P | 1.79 | 1.39 | -0.65 | -0.02 |
| Barrera, Tony | -0.88 | -0.53 | -1.68 | -0.28 |
| Broff, Andy | 1.24 | 0.76 | -2.63 | 1.20 |
| Cales, Jonathon | 0.51 | -1.93 | -0.16 | -0.36 |
| Campbell, Bryan | 1.86 | -1.22 | -1.64 | -0.28 |
| Caproni, David | -0.77 | -0.29 | -0.55 | -0.10 |
| Castillo, George | -0.50 | 0.38 | 0.86 | -0.02 |
| DeCapite, Vanessa | -1.58 | -1.05 | 0.23 | 1.20 |
| Dominguez, Lucio | -0.84 | -0.53 | 0.12 | -1.32 |
| Foecking, Brian | 0.01 | 1.09 | 0.83 | -1.49 |
| Garza, Juan | 0.32 | 1.64 | 0.54 | -0.80 |
| Greenland, Paul | 0.90 | 1.13 | -0.16 | 1.20 |
| Hurst, Kevin R. | -0.88 | 0.50 | -0.58 | -0.88 |
| King, Jennifer | -0.46 | 0.07 | 0.02 | 1.80 |
| Kobrinetz, Joaquin J. | -0.54 | -0.26 | -0.09 | 0.85 |
| Langford, Mike | 0.86 | -1.50 | 0.02 | 1.45 |
| Lonsway, Chris | -0.61 | -0.81 | 0.09 | -0.71 |
| Lopez, Frank | -1.04 | 0.00 | 0.61 | -0.45 |
| Lowsky, John | 0.82 | 1.33 | 0.44 | 0.94 |
| May, Marianne | -0.77 | 0.92 | 0.90 | -0.02 |
| Potocar, William P | -1.15 | -0.83 | 0.72 | -0.45 |
| Price, Gregory | 0.47 | -0.77 | -0.87 | -1.32 |
| Reese, Kyle | 1.13 | -0.96 | 2.06 | -1.40 |
| Rodriguez, Jesus (Jesse) | -1.15 | -0.59 | -0.55 | -0.36 |
| Sanchez, Arthur | 0.43 | 1.54 | 0.65 | 0.59 |
| Seiz, Ray | 1.21 | -1.10 | 1.29 | 1.45 |
| Trevino, Robert | 0.47 | 1.19 | -1.22 | -0.28 |
| Veiga, Victor | -1.12 | 0.86 | -0.69 | 0.33 |
| Viera, Ralph B. | -1.04 | -0.11 | 1.36 | 1.28 |
| Zalewski, John | 1.32 | -0.33 | 0.76 | -1.75 |
| MAXIMUM | 1.86 | -1.93 | -2.63 | 1.80 |
| MINIMUM | 0.01 | 0.00 | 0.02 | -0.02 |
| RANGE(MAX-MIN) | 1.857 | -1.929 | -2.645 | 1.819 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-4 - BASELINE SEQ. V PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 9.13 | 8.97 | 8.38 | 8.88 |
| Barrera, Tony | 9.54 | 8.84 | 8.47 | 8.86 |
| Broff, Andy | 9.49 | 8.80 | 8.08 | 8.88 |
| Cales, Jonathon | 9.55 | 9.32 | 8.88 | 9.12 |
| Campbell, Bryan | 8.58 | 8.49 | 8.16 | 8.33 |
| Caproni, David | 9.50 | 9.10 | 8.97 | 9.30 |
| Castillo, George | 9.56 | 9.21 | 8.27 | 9.26 |
| DeCapite, Vanessa | 9.60 | 9.45 | 8.58 | 9.15 |
| Dominguez, Lucio | 9.45 | 9.20 | 8.59 | 9.21 |
| Foecking, Brian | 9.64 | 9.33 | 8.47 | 9.17 |
| Garza, Juan | 9.40 | 8.77 | 7.85 | 8.60 |
| Greenland, Paul | 9.46 | 9.29 | 8.43 | 9.01 |
| Hurst, Kevin R. | 9.38 | 9.23 | 8.75 | 8.96 |
| King, Jennifer | 9.64 | 9.50 | 9.02 | 9.36 |
| Kobrinetz, Joaquin J. | 9.56 | 9.25 | 8.68 | 9.10 |
| Langford, Mike | 9.60 | 9.26 | 8.76 | 9.00 |
| Lonsway, Chris | 9.56 | 9.42 | 8.97 | 9.29 |
| Lopez, Frank | 9.65 | 9.38 | 8.81 | 9.35 |
| Lowsky, John | 9.55 | 9.32 | 8.95 | 9.25 |
| May, Marianne | 9.61 | 9.49 | 8.56 | 9.28 |
| Potocar, William P | 9.49 | 9.34 | 8.97 | 9.22 |
| Price, Gregory | 9.30 | 9.04 | 9.04 | 8.81 |
| Reese, Kyle | 8.92 | 8.82 | 7.69 | 8.59 |
| Rodriguez, Jesus (Jesse) | 9.62 | 9.42 | 8.41 | 9.59 |
| Sanchez, Arthur | 9.51 | 9.31 | 8.85 | 9.12 |
| Seiz, Ray | 9.76 | 9.68 | 8.77 | 9.12 |
| Trevino, Robert | 9.29 | 9.09 | 8.63 | 8.91 |
| Veiga, Victor | 9.60 | 9.34 | 8.77 | 9.40 |
| Viera, Ralph B. | 9.45 | 9.27 | 8.27 | 9.17 |
| Zalewski, John | 9.72 | 9.69 | 8.03 | 8.79 |
| MAXIMUM | 9.76 | 9.69 | 9.04 | 9.59 |
| MINIMUM | 8.58 | 8.49 | 7.69 | 8.33 |
| RANGE(MAX-MIN) | 1.180 | 1.200 | 1.350 | 1.260 |
| MEAN | 9.470 | 9.221 | 8.569 | 9.069 |
| STANDARD DEVIATION | 0.239 | 0.273 | 0.358 | 0.272 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= REF-4 - BASELINE SEQ. V PISTONS

REF-4 Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | -1.42 | -0.92 | -0.53 | -0.70 |
| Barrera, Tony | 0.29 | -1.39 | -0.28 | -0.77 |
| Broff, Andy | 0.08 | -1.54 | -1.36 | -0.70 |
| Cales, Jonathon | 0.33 | 0.36 | 0.87 | 0.19 |
| Campbell, Bryan | -3.72 | -2.67 | -1.14 | -2.72 |
| Caproni, David | 0.12 | -0.44 | 1.12 | 0.85 |
| Castillo, George | 0.37 | -0.04 | -0.83 | 0.70 |
| DeCapite, Vanessa | 0.54 | 0.84 | 0.03 | 0.30 |
| Dominguez, Lucio | -0.09 | -0.08 | 0.06 | 0.52 |
| Foecking, Brian | 0.71 | 0.40 | -0.28 | 0.37 |
| Garza, Juan | -0.29 | -1.65 | -2.01 | -1.73 |
| Greenland, Paul | -0.04 | 0.25 | -0.39 | -0.22 |
| Hurst, Kevin R. | -0.38 | 0.03 | 0.51 | -0.40 |
| King, Jennifer | 0.71 | 1.02 | 1.26 | 1.07 |
| Kobrinetz, Joaquin J. | 0.37 | 0.11 | 0.31 | 0.11 |
| Langford, Mike | 0.54 | 0.14 | 0.53 | -0.26 |
| Lonsway, Chris | 0.37 | 0.73 | 1.12 | 0.81 |
| Lopez, Frank | 0.75 | 0.58 | 0.67 | 1.03 |
| Lowsky, John | 0.33 | 0.36 | 1.06 | 0.67 |
| May, Marianne | 0.58 | 0.99 | -0.02 | 0.78 |
| Potocar, William P | 0.08 | 0.44 | 1.12 | 0.55 |
| Price, Gregory | -0.71 | -0.66 | 1.32 | -0.95 |
| Reese, Kyle | -2.30 | -1.47 | -2.45 | -1.76 |
| Rodriguez, Jesus (Jesse) | 0.63 | 0.73 | -0.44 | 1.92 |
| Sanchez, Arthur | 0.17 | 0.33 | 0.79 | 0.19 |
| Seiz, Ray | 1.21 | 1.68 | 0.56 | 0.19 |
| Trevino, Robert | -0.75 | -0.48 | 0.17 | -0.59 |
| Veiga, Victor | 0.54 | 0.44 | 0.56 | 1.22 |
| Viera, Ralph B. | -0.09 | 0.18 | -0.83 | 0.37 |
| Zalewski, John | 1.04 | 1.72 | -1.50 | -1.03 |
| MAXIMUM | -3.72 | -2.67 | -2.45 | -2.72 |
| MINIMUM | -0.04 | 0.03 | -0.02 | 0.11 |
| RANGE(MAX-MIN) | -3.678 | -2.709 | -2.430 | -2.835 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 30.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Aguirre, Nancy P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.27 | -0.11 | 0.08 | 0.40 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 1.50 | 1.11 | 1.16 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.79 | | -0.65 | -0.02 | | 1.39 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -1.42 | -0.92 | -0.53 | -0.70 |
| MAXIMUM | 1.79 | 1.50 | 1.11 | 1.16 | | 1.39 | -1.42 | -0.92 | -0.53 | -0.70 |
| MINIMUM | 0.27 | -0.11 | 0.08 | -0.02 | | 1.39 | -1.42 | -0.92 | -0.53 | -0.70 |
| RANGE(MAX-MIN) | 1.520 | 1.610 | 1.030 | 1.180 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.800 | 0.695 | 0.180 | 0.513 | | 1.390 | -1.420 | -0.920 | -0.530 | -0.700 |
| STANDARD DEVIATION | 0.858 | 1.138 | 0.884 | 0.598 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Barrera, Tony

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|-------|--------|--------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.01 | 0.52 | -0.51 | 0.63 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 0.25 | -0.34 | -0.44 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.88 | | -1.68 | -0.28 | | -0.53 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.29 | -1.39 | -0.28 | -0.77 | |
| MAXIMUM | -0.88 | 0.52 | -1.68 | 0.63 | | -0.53 | 0.29 | -1.39 | -0.28 | -0.77 | |
| MINIMUM | -0.01 | 0.25 | -0.34 | -0.28 | | -0.53 | 0.29 | -1.39 | -0.28 | -0.77 | |
| RANGE(MAX-MIN) | -0.870 | 0.270 | -1.340 | 0.910 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.183 | 0.385 | -0.843 | -0.030 | | -0.530 | 0.290 | -1.390 | -0.280 | -0.770 | |
| STANDARD DEVIATION | 0.628 | 0.191 | 0.730 | 0.577 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Broff, Andy

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 3.47 | -0.24 | -2.09 | 1.26 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 4.91 | -1.22 | -0.11 | -1.83 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.24 | | -2.63 | 1.20 | | 0.76 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.08 | -1.54 | -1.36 | -0.70 | |
| MAXIMUM | -4.91 | -1.22 | -2.63 | -1.83 | | 0.76 | 0.08 | -1.54 | -1.36 | -0.70 | |
| MINIMUM | 1.24 | -0.24 | -0.11 | 1.20 | | 0.76 | 0.08 | -1.54 | -1.36 | -0.70 | |
| RANGE(MAX-MIN) | -6.150 | -0.980 | -2.520 | -3.030 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -2.380 | -0.730 | -1.610 | 0.210 | | 0.760 | 0.080 | -1.540 | -1.360 | -0.700 | |
| STANDARD DEVIATION | 3.217 | 0.693 | 1.327 | 1.767 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Cales, Jonathon

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.65 | -0.55 | 1.59 | 1.02 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 0.39 | 1.14 | 0.41 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.51 | | -0.16 | -0.36 | | -1.93 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.33 | 0.36 | 0.87 | 0.19 |
| MAXIMUM | -0.65 | -0.55 | 1.59 | 1.02 | | -1.93 | 0.33 | 0.36 | 0.87 | 0.19 |
| MINIMUM | 0.34 | 0.39 | -0.16 | -0.36 | | -1.93 | 0.33 | 0.36 | 0.87 | 0.19 |
| RANGE(MAX-MIN) | -0.990 | -0.940 | 1.750 | 1.380 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.067 | -0.080 | 0.857 | 0.357 | | -1.930 | 0.330 | 0.360 | 0.870 | 0.190 |
| STANDARD DEVIATION | 0.626 | 0.665 | 0.909 | 0.692 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Campbell, Bryan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 1.59 | -0.64 | 1.39 | 0.79 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.15 | 0.61 | 1.11 | -3.55 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.86 | | -1.64 | -0.28 | | -1.22 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -3.72 | -2.67 | -1.14 | -2.72 |
| MAXIMUM | 1.86 | -0.64 | -1.64 | -3.55 | | -1.22 | -3.72 | -2.67 | -1.14 | -2.72 |
| MINIMUM | -0.15 | 0.61 | 1.11 | -0.28 | | -1.22 | -3.72 | -2.67 | -1.14 | -2.72 |
| RANGE(MAX-MIN) | 2.010 | -1.250 | -2.750 | -3.270 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 1.100 | -0.015 | 0.287 | -1.013 | | -1.220 | -3.720 | -2.670 | -1.140 | -2.720 |
| STANDARD DEVIATION | 1.091 | 0.884 | 1.674 | 2.261 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Caproni, David

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 1.08 | 0.70 | 0.44 | 0.94 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.27 | 0.47 | 0.63 | -0.65 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.77 | | -0.55 | -0.10 | | -0.29 | | | | | |
| REF-4-BASELINE SEQ. V PISTON | S | | | | | | 0.12 | -0.44 | 1.12 | 0.85 | |
| MAXIMUM | -1.08 | 0.70 | 0.63 | 0.94 | | -0.29 | 0.12 | -0.44 | 1.12 | 0.85 | |
| MINIMUM | 0.27 | 0.47 | 0.44 | -0.10 | | -0.29 | 0.12 | -0.44 | 1.12 | 0.85 | |
| RANGE(MAX-MIN) | -1.350 | 0.230 | 0.190 | 1.040 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.527 | 0.585 | 0.173 | 0.063 | | -0.290 | 0.120 | -0.440 | 1.120 | 0.850 | |
| STANDARD DEVIATION | 0.707 | 0.163 | 0.634 | 0.807 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Castillo, George

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|-------|-------|--------|-------|-------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.06 | 0.92 | 0.02 | -0.93 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.27 | 0.25 | 0.15 | -0.94 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.50 | | 0.86 | -0.02 | | 0.38 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.37 | -0.04 | -0.83 | 0.70 |
| MAXIMUM | -0.50 | 0.92 | 0.86 | -0.94 | | 0.38 | 0.37 | -0.04 | -0.83 | 0.70 |
| MINIMUM | 0.06 | 0.25 | 0.02 | -0.02 | | 0.38 | 0.37 | -0.04 | -0.83 | 0.70 |
| RANGE(MAX-MIN) | -0.560 | 0.670 | 0.840 | -0.920 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.057 | 0.585 | 0.343 | -0.630 | | 0.380 | 0.370 | -0.040 | -0.830 | 0.700 |
| STANDARD DEVIATION | 0.398 | 0.474 | 0.452 | 0.528 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= DeCapite, Vanessa

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|-------|--------|-------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.35 | 1.15 | -0.93 | 0.55 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -0.88 | -0.43 | 0.06 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.58 | | 0.23 | 1.20 | | -1.05 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.54 | 0.84 | 0.03 | 0.30 |
| MAXIMUM | -1.58 | 1.15 | -0.93 | 1.20 | | -1.05 | 0.54 | 0.84 | 0.03 | 0.30 |
| MINIMUM | 0.34 | -0.88 | 0.23 | 0.06 | | -1.05 | 0.54 | 0.84 | 0.03 | 0.30 |
| RANGE(MAX-MIN) | -1.920 | 2.030 | -1.160 | 1.140 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.297 | 0.135 | -0.377 | 0.603 | | -1.050 | 0.540 | 0.840 | 0.030 | 0.300 |
| STANDARD DEVIATION | 1.111 | 1.435 | 0.582 | 0.572 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Dominguez, Lucio

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.84 | -0.33 | 0.04 | -0.46 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -1.22 | -0.24 | -1.22 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.84 | | 0.12 | -1.32 | | -0.53 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.08 | -0.08 | 0.06 | 0.52 | |
| MAXIMUM | 0.84 | -1.22 | -0.24 | -1.32 | | -0.53 | -0.08 | -0.08 | 0.06 | 0.52 | |
| MINIMUM | 0.34 | -0.33 | 0.04 | -0.46 | | -0.53 | -0.08 | -0.08 | 0.06 | 0.52 | |
| RANGE(MAX-MIN) | 0.500 | -0.890 | -0.280 | -0.860 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.113 | -0.775 | -0.027 | -1.000 | | -0.530 | -0.080 | -0.080 | 0.060 | 0.520 | |
| STANDARD DEVIATION | 0.863 | 0.629 | 0.189 | 0.470 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Foecking, Brian

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|-------|-------|--------|--------|-------|-------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.31 | 0.56 | -1.14 | -1.48 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.27 | 0.90 | -0.43 | 0.36 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.01 | | 0.83 | -1.49 | | 1.09 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.71 | 0.40 | -0.28 | 0.37 |
| MAXIMUM | 0.31 | 0.90 | -1.14 | -1.49 | | 1.09 | 0.71 | 0.40 | -0.28 | 0.37 |
| MINIMUM | 0.01 | 0.56 | -0.43 | 0.36 | | 1.09 | 0.71 | 0.40 | -0.28 | 0.37 |
| RANGE(MAX-MIN) | 0.300 | 0.340 | -0.710 | -1.850 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.197 | 0.730 | -0.247 | -0.870 | | 1.090 | 0.710 | 0.400 | -0.280 | 0.370 |
| STANDARD DEVIATION | 0.163 | 0.240 | 0.998 | 1.065 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Garza, Juan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|-------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 1.09 | -1.80 | -1.14 | -3.52 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -2.79 | -1.30 | -1.31 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.32 | | 0.54 | -0.80 | | 1.64 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.29 | -1.65 | -2.01 | -1.73 |
| MAXIMUM | 1.09 | -2.79 | -1.30 | -3.52 | | 1.64 | -0.29 | -1.65 | -2.01 | -1.73 |
| MINIMUM | 0.32 | -1.80 | 0.54 | -0.80 | | 1.64 | -0.29 | -1.65 | -2.01 | -1.73 |
| RANGE(MAX-MIN) | 0.770 | -0.990 | -1.840 | -2.720 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.583 | -2.295 | -0.633 | -1.877 | | 1.640 | -0.290 | -1.650 | -2.010 | -1.730 |
| STANDARD DEVIATION | 0.439 | 0.700 | 1.019 | 1.446 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Greenland, Paul

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.20 | 1.15 | 2.02 | 0.40 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.15 | -0.06 | -0.24 | 0.52 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.90 | | -0.16 | 1.20 | | 1.13 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.04 | 0.25 | -0.39 | -0.22 | |
| MAXIMUM | 0.90 | 1.15 | 2.02 | 1.20 | | 1.13 | -0.04 | 0.25 | -0.39 | -0.22 | |
| MINIMUM | -0.15 | -0.06 | -0.16 | 0.40 | | 1.13 | -0.04 | 0.25 | -0.39 | -0.22 | |
| RANGE(MAX-MIN) | 1.050 | 1.210 | 2.180 | 0.800 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.317 | 0.545 | 0.540 | 0.707 | | 1.130 | -0.040 | 0.250 | -0.390 | -0.220 | |
| STANDARD DEVIATION | 0.535 | 0.856 | 1.282 | 0.431 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Hurst, Kevin R.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 1.01 | -0.55 | -0.91 | -0.62 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.27 | -1.34 | -1.11 | 0.29 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.88 | | -0.58 | -0.88 | | 0.50 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.38 | 0.03 | 0.51 | -0.40 | |
| MAXIMUM | -1.01 | -1.34 | -1.11 | -0.88 | | 0.50 | -0.38 | 0.03 | 0.51 | -0.40 | |
| MINIMUM | 0.27 | -0.55 | -0.58 | 0.29 | | 0.50 | -0.38 | 0.03 | 0.51 | -0.40 | |
| RANGE(MAX-MIN) | -1.280 | -0.790 | -0.530 | -1.170 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.540 | -0.945 | -0.867 | -0.403 | | 0.500 | -0.380 | 0.030 | 0.510 | -0.400 | |
| STANDARD DEVIATION | 0.704 | 0.559 | 0.268 | 0.614 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= King, Jennifer

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.20 | -0.20 | -0.59 | 0.87 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 0.03 | 0.60 | 0.38 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.46 | | 0.02 | 1.80 | | 0.07 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.71 | 1.02 | 1.26 | 1.07 | |
| MAXIMUM | -0.46 | -0.20 | 0.60 | 1.80 | | 0.07 | 0.71 | 1.02 | 1.26 | 1.07 | |
| MINIMUM | 0.20 | 0.03 | 0.02 | 0.38 | | 0.07 | 0.71 | 1.02 | 1.26 | 1.07 | |
| RANGE(MAX-MIN) | -0.660 | -0.230 | 0.580 | 1.420 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.027 | -0.085 | 0.010 | 1.017 | | 0.070 | 0.710 | 1.020 | 1.260 | 1.070 | |
| STANDARD DEVIATION | 0.427 | 0.163 | 0.595 | 0.721 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Kobrinetz, Joaquin J.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.52 | 0.25 | -0.17 | 0.87 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.20 | -0.67 | 0.66 | 0.04 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.54 | | -0.09 | 0.85 | | -0.26 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.37 | 0.11 | 0.31 | 0.11 |
| MAXIMUM | -0.54 | -0.67 | 0.66 | 0.87 | | -0.26 | 0.37 | 0.11 | 0.31 | 0.11 |
| MINIMUM | 0.20 | 0.25 | -0.09 | 0.04 | | -0.26 | 0.37 | 0.11 | 0.31 | 0.11 |
| RANGE(MAX-MIN) | -0.740 | -0.920 | 0.750 | 0.830 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.060 | -0.210 | 0.133 | 0.587 | | -0.260 | 0.370 | 0.110 | 0.310 | 0.110 |
| STANDARD DEVIATION | 0.544 | 0.651 | 0.458 | 0.474 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Langford, Mike

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.12 | 1.01 | -0.27 | 0.94 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.08 | 0.08 | -0.98 | 0.02 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.86 | | 0.02 | 1.45 | | -1.50 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.54 | 0.14 | 0.53 | -0.26 | |
| MAXIMUM | 0.86 | 1.01 | -0.98 | 1.45 | | -1.50 | 0.54 | 0.14 | 0.53 | -0.26 | |
| MINIMUM | -0.08 | 0.08 | 0.02 | 0.02 | | -1.50 | 0.54 | 0.14 | 0.53 | -0.26 | |
| RANGE(MAX-MIN) | 0.940 | 0.930 | -1.000 | 1.430 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.220 | 0.545 | -0.410 | 0.803 | | -1.500 | 0.540 | 0.140 | 0.530 | -0.260 | |
| STANDARD DEVIATION | 0.555 | 0.658 | 0.514 | 0.725 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lonsway, Chris

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.31 | -0.28 | -0.45 | -0.62 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -1.32 | -0.05 | 0.29 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.61 | | 0.09 | -0.71 | | -0.81 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.37 | 0.73 | 1.12 | 0.81 | |
| MAXIMUM | -0.61 | -1.32 | -0.45 | -0.71 | | -0.81 | 0.37 | 0.73 | 1.12 | 0.81 | |
| MINIMUM | 0.31 | -0.28 | -0.05 | 0.29 | | -0.81 | 0.37 | 0.73 | 1.12 | 0.81 | |
| RANGE(MAX-MIN) | -0.920 | -1.040 | -0.400 | -1.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.013 | -0.800 | -0.137 | -0.347 | | -0.810 | 0.370 | 0.730 | 1.120 | 0.810 | |
| STANDARD DEVIATION | 0.540 | 0.735 | 0.280 | 0.553 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lopez, Frank

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.33 | 0.21 | -1.86 | 0.16 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -0.47 | -1.98 | 1.07 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.04 | | 0.61 | -0.45 | | 0.00 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.75 | 0.58 | 0.67 | 1.03 | |
| MAXIMUM | -1.04 | -0.47 | -1.98 | 1.07 | | 0.00 | 0.75 | 0.58 | 0.67 | 1.03 | |
| MINIMUM | -0.33 | 0.21 | 0.61 | 0.16 | | 0.00 | 0.75 | 0.58 | 0.67 | 1.03 | |
| RANGE(MAX-MIN) | -0.710 | -0.680 | -2.590 | 0.910 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.343 | -0.130 | -1.077 | 0.260 | | 0.000 | 0.750 | 0.580 | 0.670 | 1.030 | |
| STANDARD DEVIATION | 0.690 | 0.481 | 1.462 | 0.765 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lowsky, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 1.24 | 1.15 | 1.35 | 0.71 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 1.62 | -0.14 | 0.82 | 0.47 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.82 | | 0.44 | 0.94 | | 1.33 | | | | | |
| REF-4-BASELINE SEQ. V PISTON | | | | | | | 0.33 | 0.36 | 1.06 | 0.67 | |
| MAXIMUM | -1.62 | 1.15 | 1.35 | 0.94 | | 1.33 | 0.33 | 0.36 | 1.06 | 0.67 | |
| MINIMUM | 0.82 | -0.14 | 0.44 | 0.47 | | 1.33 | 0.33 | 0.36 | 1.06 | 0.67 | |
| RANGE(MAX-MIN) | -2.440 | 1.290 | 0.910 | 0.470 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.147 | 0.505 | 0.870 | 0.707 | | 1.330 | 0.330 | 0.360 | 1.060 | 0.670 | |
| STANDARD DEVIATION | 1.544 | 0.912 | 0.457 | 0.235 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= May, Marianne

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 1.15 | 0.88 | 0.89 | 0.16 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 0.39 | 1.27 | 0.95 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -0.77 | | 0.90 | -0.02 | | 0.92 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.58 | 0.99 | -0.02 | 0.78 |
| MAXIMUM | -1.15 | 0.88 | 1.27 | 0.95 | | 0.92 | 0.58 | 0.99 | -0.02 | 0.78 |
| MINIMUM | 0.34 | 0.39 | 0.89 | -0.02 | | 0.92 | 0.58 | 0.99 | -0.02 | 0.78 |
| RANGE(MAX-MIN) | -1.490 | 0.490 | 0.380 | 0.970 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.527 | 0.635 | 1.020 | 0.363 | | 0.920 | 0.580 | 0.990 | -0.020 | 0.780 |
| STANDARD DEVIATION | 0.774 | 0.346 | 0.217 | 0.516 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Potocar, William P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.69 | -0.51 | -0.51 | -1.17 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -0.23 | 1.21 | 0.38 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.15 | | 0.72 | -0.45 | | -0.83 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.08 | 0.44 | 1.12 | 0.55 |
| MAXIMUM | -1.15 | -0.51 | 1.21 | -1.17 | | -0.83 | 0.08 | 0.44 | 1.12 | 0.55 |
| MINIMUM | 0.34 | -0.23 | -0.51 | 0.38 | | -0.83 | 0.08 | 0.44 | 1.12 | 0.55 |
| RANGE(MAX-MIN) | -1.490 | -0.280 | 1.720 | -1.550 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.500 | -0.370 | 0.473 | -0.413 | | -0.830 | 0.080 | 0.440 | 1.120 | 0.550 |
| STANDARD DEVIATION | 0.763 | 0.198 | 0.886 | 0.776 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Price, Gregory

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|-------|--------|--------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.74 | -0.11 | -0.08 | -0.46 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.27 | 0.64 | -0.05 | 0.63 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.47 | | -0.87 | -1.32 | | -0.77 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.71 | -0.66 | 1.32 | -0.95 | |
| MAXIMUM | 0.74 | 0.64 | -0.87 | -1.32 | | -0.77 | -0.71 | -0.66 | 1.32 | -0.95 | |
| MINIMUM | 0.27 | -0.11 | -0.05 | -0.46 | | -0.77 | -0.71 | -0.66 | 1.32 | -0.95 | |
| RANGE(MAX-MIN) | 0.470 | 0.750 | -0.820 | -0.860 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.493 | 0.265 | -0.333 | -0.383 | | -0.770 | -0.710 | -0.660 | 1.320 | -0.950 | |
| STANDARD DEVIATION | 0.236 | 0.530 | 0.465 | 0.977 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Reese, Kyle

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.12 | 0.16 | 1.01 | 0.40 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.06 | -0.60 | -1.65 | 0.29 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.13 | | 2.06 | -1.40 | | -0.96 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -2.30 | -1.47 | -2.45 | -1.76 | |
| MAXIMUM | 1.13 | -0.60 | 2.06 | -1.40 | | -0.96 | -2.30 | -1.47 | -2.45 | -1.76 | |
| MINIMUM | 0.06 | 0.16 | 1.01 | 0.29 | | -0.96 | -2.30 | -1.47 | -2.45 | -1.76 | |
| RANGE(MAX-MIN) | 1.070 | -0.760 | 1.050 | -1.690 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.357 | -0.220 | 0.473 | -0.237 | | -0.960 | -2.300 | -1.470 | -2.450 | -1.760 | |
| STANDARD DEVIATION | 0.676 | 0.537 | 1.912 | 1.009 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Rodriguez, Jesus (Jesse)

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.12 | -0.46 | -0.65 | 0.16 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | -0.79 | -0.59 | 1.09 | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.15 | | -0.55 | -0.36 | | -0.59 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.63 | 0.73 | -0.44 | 1.92 |
| MAXIMUM | -1.15 | -0.79 | -0.65 | 1.09 | | -0.59 | 0.63 | 0.73 | -0.44 | 1.92 |
| MINIMUM | -0.12 | -0.46 | -0.55 | 0.16 | | -0.59 | 0.63 | 0.73 | -0.44 | 1.92 |
| RANGE(MAX-MIN) | -1.030 | -0.330 | -0.100 | 0.930 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.310 | -0.625 | -0.597 | 0.297 | | -0.590 | 0.630 | 0.730 | -0.440 | 1.920 |
| STANDARD DEVIATION | 0.763 | 0.233 | 0.050 | 0.735 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Sanchez, Arthur

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.01 | -0.20 | -0.57 | -1.17 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 0.90 | 0.11 | 0.79 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.43 | | 0.65 | 0.59 | | 1.54 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.17 | 0.33 | 0.79 | 0.19 | |
| MAXIMUM | 0.43 | 0.90 | 0.65 | -1.17 | | 1.54 | 0.17 | 0.33 | 0.79 | 0.19 | |
| MINIMUM | -0.01 | -0.20 | 0.11 | 0.59 | | 1.54 | 0.17 | 0.33 | 0.79 | 0.19 | |
| RANGE(MAX-MIN) | 0.440 | 1.100 | 0.540 | -1.760 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.253 | 0.350 | 0.063 | 0.070 | | 1.540 | 0.170 | 0.330 | 0.790 | 0.190 | |
| STANDARD DEVIATION | 0.232 | 0.778 | 0.611 | 1.079 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Seiz, Ray

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 0.24 | 0.30 | 0.83 | -0.93 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.20 | 1.19 | -0.69 | -0.46 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.21 | | 1.29 | 1.45 | | -1.10 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 1.21 | 1.68 | 0.56 | 0.19 |
| MAXIMUM | 1.21 | 1.19 | 1.29 | 1.45 | | -1.10 | 1.21 | 1.68 | 0.56 | 0.19 |
| MINIMUM | 0.20 | 0.30 | -0.69 | -0.46 | | -1.10 | 1.21 | 1.68 | 0.56 | 0.19 |
| RANGE(MAX-MIN) | 1.010 | 0.890 | 1.980 | 1.910 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.550 | 0.745 | 0.477 | 0.020 | | -1.100 | 1.210 | 1.680 | 0.560 | 0.190 |
| STANDARD DEVIATION | 0.572 | 0.629 | 1.036 | 1.261 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Trevino, Robert

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 1.24 | -0.11 | 0.40 | 0.24 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.20 | 1.70 | 1.69 | 0.41 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | 0.47 | | -1.22 | -0.28 | | 1.19 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | -0.75 | -0.48 | 0.17 | -0.59 | |
| MAXIMUM | 1.24 | 1.70 | 1.69 | 0.41 | | 1.19 | -0.75 | -0.48 | 0.17 | -0.59 | |
| MINIMUM | 0.20 | -0.11 | 0.40 | 0.24 | | 1.19 | -0.75 | -0.48 | 0.17 | -0.59 | |
| RANGE(MAX-MIN) | 1.040 | 1.810 | 1.290 | 0.170 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | 0.637 | 0.795 | 0.290 | 0.123 | | 1.190 | -0.750 | -0.480 | 0.170 | -0.590 | |
| STANDARD DEVIATION | 0.540 | 1.280 | 1.458 | 0.359 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Veiga, Victor

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.10 | -3.90 | 0.50 | 0.63 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.20 | 0.80 | -1.75 | -0.12 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.12 | | -0.69 | 0.33 | | 0.86 | | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 0.54 | 0.44 | 0.56 | 1.22 | |
| MAXIMUM | -1.12 | -3.90 | -1.75 | 0.63 | | 0.86 | 0.54 | 0.44 | 0.56 | 1.22 | |
| MINIMUM | 0.10 | 0.80 | 0.50 | -0.12 | | 0.86 | 0.54 | 0.44 | 0.56 | 1.22 | |
| RANGE(MAX-MIN) | -1.220 | -4.700 | -2.250 | 0.750 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.273 | -1.550 | -0.647 | 0.280 | | 0.860 | 0.540 | 0.440 | 0.560 | 1.220 | |
| STANDARD DEVIATION | 0.735 | 3.323 | 1.126 | 0.377 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Viera, Ralph B.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI | |
|--------------------------------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| REF-1-BASELINE SEQ IIIG PISTON | 0.02 | 0.88 | 1.19 | 0.08 | | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.15 | 0.27 | 1.53 | -0.12 | | | | | | | |
| REF-3-BASELINE GMOD PISTON | -1.04 | | 1.36 | 1.28 | | -0.11 | | | | | |
| REF-4-BASELINE SEQ. V PISTON | | | | | | | -0.08 | 0.18 | -0.83 | 0.37 | |
| MAXIMUM | -1.04 | 0.88 | 1.53 | 1.28 | | -0.11 | -0.08 | 0.18 | -0.83 | 0.37 | |
| MINIMUM | -0.15 | 0.27 | 1.19 | 0.08 | | -0.11 | -0.08 | 0.18 | -0.83 | 0.37 | |
| RANGE(MAX-MIN) | -0.890 | 0.610 | 0.340 | 1.200 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| MEAN | -0.057 | 0.575 | 1.360 | 0.413 | | -0.110 | -0.080 | 0.180 | -0.830 | 0.370 | |
| STANDARD DEVIATION | 1.033 | 0.431 | 0.170 | 0.757 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Zalewski, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G3TOT | L3TOT | THTOT | FRTOT | G2TOT | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------------|--------|-------|-------|--------|-------|--------|--------|--------|--------|--------|
| REF-1-BASELINE SEQ IIIG PISTON | 1.58 | 0.16 | 0.12 | 0.16 | | | | | | |
| REF-2-BASELINE SEQ IIIH PISTON | 0.34 | 1.36 | -0.11 | 1.00 | | | | | | |
| REF-3-BASELINE GMOD PISTON | 1.32 | | 0.76 | -1.75 | | -0.33 | | | | |
| REF-4-BASELINE SEQ. V PISTONS | | | | | | | 1.04 | 1.72 | -1.50 | -1.03 |
| MAXIMUM | -1.58 | 1.36 | 0.76 | -1.75 | | -0.33 | 1.04 | 1.72 | -1.50 | -1.03 |
| MINIMUM | 0.34 | 0.16 | -0.11 | 0.16 | | -0.33 | 1.04 | 1.72 | -1.50 | -1.03 |
| RANGE(MAX-MIN) | -1.920 | 1.200 | 0.870 | -1.910 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.027 | 0.760 | 0.257 | -0.197 | | -0.330 | 1.040 | 1.720 | -1.500 | -1.030 |
| STANDARD DEVIATION | 1.475 | 0.849 | 0.451 | 1.409 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Baseline Target Analysis

| Rater | Parts Rated | -1<yi<=1 | -2<yi<=2 | -3<yi<=3 | >3 | Yi STD | Group | Group Color |
|--------------------------|-------------|----------|----------|----------|-------|--------|--------|-------------|
| Aguirre, Nancy P | 7 | 62.5% | 100.0% | 100.0% | 0.0% | 0.95 | WHITE | |
| Barrera, Tony | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.66 | BLUE | |
| Broff, Andy | 7 | 31.3% | 75.0% | 87.5% | 12.5% | 1.77 | YELLOW | |
| Cales, Jonathon | 7 | 75.0% | 100.0% | 100.0% | 0.0% | 0.84 | WHITE | |
| Campbell, Bryan | 7 | 31.3% | 75.0% | 87.5% | 12.5% | 1.83 | YELLOW | |
| Caproni, David | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.68 | BLUE | |
| Castillo, George | 7 | 100.0% | 100.0% | 100.0% | 0.0% | 0.59 | BLUE | |
| DeCapite, Vanessa | 7 | 75.0% | 100.0% | 100.0% | 0.0% | 0.81 | WHITE | |
| Dominguez, Lucio | 7 | 81.3% | 100.0% | 100.0% | 0.0% | 0.63 | RED | |
| Foecking, Brian | 7 | 75.0% | 100.0% | 100.0% | 0.0% | 0.82 | WHITE | |
| Garza, Juan | 7 | 31.3% | 81.3% | 93.8% | 6.3% | 1.41 | YELLOW | |
| Greenland, Paul | 7 | 75.0% | 93.8% | 100.0% | 0.0% | 0.69 | WHITE | |
| Hurst, Kevin R. | 7 | 81.3% | 100.0% | 100.0% | 0.0% | 0.60 | RED | |
| King, Jennifer | 7 | 75.0% | 100.0% | 100.0% | 0.0% | 0.65 | WHITE | |
| Kobrinetz, Joaquin J. | 7 | 100.0% | 100.0% | 100.0% | 0.0% | 0.45 | BLUE | |
| Langford, Mike | 7 | 81.3% | 100.0% | 100.0% | 0.0% | 0.75 | RED | |
| Lonsway, Chris | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.67 | BLUE | |
| Lopez, Frank | 7 | 68.8% | 100.0% | 100.0% | 0.0% | 0.93 | WHITE | |
| Lowsky, John | 7 | 62.5% | 100.0% | 100.0% | 0.0% | 0.72 | WHITE | |
| May, Marianne | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.67 | BLUE | |
| Potocar, William P | 7 | 75.0% | 100.0% | 100.0% | 0.0% | 0.76 | WHITE | |
| Price, Gregory | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.75 | BLUE | |
| Reese, Kyle | 7 | 43.8% | 81.3% | 100.0% | 0.0% | 1.31 | YELLOW | |
| Rodriguez, Jesus (Jesse) | 7 | 81.3% | 100.0% | 100.0% | 0.0% | 0.81 | RED | |
| Sanchez, Arthur | 7 | 87.5% | 100.0% | 100.0% | 0.0% | 0.63 | BLUE | |
| Seiz, Ray | 7 | 56.3% | 100.0% | 100.0% | 0.0% | 0.88 | YELLOW | |
| Trevino, Robert | 7 | 68.8% | 100.0% | 100.0% | 0.0% | 0.85 | WHITE | |
| Veiga, Victor | 7 | 75.0% | 93.8% | 93.8% | 6.3% | 1.28 | YELLOW | |
| Viera, Ralph B. | 7 | 62.5% | 100.0% | 100.0% | 0.0% | 0.78 | WHITE | |
| Zalewski, John | 7 | 50.0% | 100.0% | 100.0% | 0.0% | 1.10 | YELLOW | |

Group Criteria

| | Minimum Number of Parts Rated | Minimum Yi's Within 1 STD of mean | Minimum Yi's Within 2 STD of mean | Maximum Overall Yi STD | Group Totals | |
|--------|-------------------------------------|--|--|------------------------------|-----------------|-----|
| White | 6 | 60% | 90% | 1.20 | 11 | 37% |
| Red | 6 | 80% | 95% | 0.85 | 4 | 13% |
| Blue | 6 | 85% | 98% | 0.75 | 8 | 27% |
| Yellow | - | - | - | - | 7 | 23% |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= CAL-A - COMPOSITE PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Barrera, Tony | 0.76 | 0.74 | 9.46 | 1.27 | 3.13 | 4.60 | 9.31 | 9.85 |
| Broff, Andy | 0.56 | 0.06 | 8.85 | 0.80 | 2.18 | 4.31 | 9.28 | 9.88 |
| Castillo, George | 0.99 | 0.72 | 9.40 | 1.60 | 3.40 | 4.32 | 9.77 | 9.33 |
| DeCapite, Vanessa | 1.06 | 0.66 | 8.65 | 1.24 | 2.65 | 3.87 | 9.18 | 9.85 |
| Foecking, Brian | 0.94 | 0.63 | 9.55 | 1.68 | 3.25 | 4.06 | 8.83 | 9.71 |
| Greenland, Paul | 1.16 | 0.70 | 9.26 | 2.00 | 3.66 | 4.73 | 9.03 | 9.80 |
| Hurst, Kevin R. | 0.72 | 0.66 | 8.98 | 1.23 | 2.59 | 4.13 | 9.28 | 9.70 |
| King, Jennifer | 0.83 | 0.71 | 9.28 | 1.44 | 2.92 | 3.40 | 9.62 | 9.94 |
| Kobrinetz, Joaquin J. | 1.94 | 0.74 | 9.31 | 1.33 | 3.19 | 3.77 | 9.38 | 9.89 |
| Langford, Mike | 1.28 | 0.64 | 9.17 | 2.08 | 2.79 | 6.95 | 9.46 | 9.81 |
| Lonsway, Chris | 1.43 | 0.71 | 9.35 | 1.52 | 2.65 | 3.48 | 9.16 | 9.66 |
| Lopez, Frank | 0.93 | 0.71 | 9.16 | 1.20 | 3.21 | 4.01 | 9.03 | 9.79 |
| Lowsky, John | 2.24 | 2.71 | 9.66 | 1.55 | 3.52 | 5.50 | 9.41 | 9.93 |
| May, Marianne | 0.90 | 0.70 | 9.55 | 1.53 | 3.39 | 3.99 | 9.30 | 9.79 |
| Rodriguez, Jesus (Jesse) | 0.80 | 0.69 | 9.18 | 1.14 | 2.73 | 3.90 | 9.03 | 9.72 |
| Sanchez, Arthur | 1.85 | 1.01 | 9.71 | 1.58 | 3.34 | 4.01 | 9.27 | 9.74 |
| Seiz, Ray | 0.94 | 0.68 | 9.28 | 1.41 | 3.02 | 4.40 | 9.22 | 9.74 |
| Zalewski, John | 1.06 | 0.65 | 9.16 | 1.38 | 3.12 | 4.65 | 9.04 | 9.85 |
| MAXIMUM | 2.24 | 2.71 | 9.71 | 2.08 | 3.66 | 6.95 | 9.77 | 9.94 |
| MINIMUM | 0.72 | 0.63 | 8.65 | 1.14 | 2.59 | 3.40 | 8.83 | 9.33 |
| RANGE(MAX-MIN) | 1.520 | 2.080 | 1.060 | 0.940 | 1.070 | 3.550 | 0.940 | 0.610 |
| MEAN | 1.189 | 0.849 | 9.311 | 1.493 | 3.095 | 4.315 | 9.271 | 9.767 |
| STANDARD DEVIATION | 0.473 | 0.522 | 0.272 | 0.278 | 0.348 | 0.894 | 0.243 | 0.147 |
| N SIZE | 18.000 | | | | | | | |

Part ID= CAL-A - COMPOSITE PISTON

CAL-A Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|--------|-------|-------|-------|-------|--------|
| Barrera, Tony | -0.91 | -0.21 | 0.55 | -0.80 | 0.10 | 0.32 | 0.16 | 0.56 |
| Broff, Andy | -1.33 | -1.51 | -1.70 | -2.49 | -2.63 | -0.01 | 0.04 | 0.77 |
| Castillo, George | -0.42 | -0.25 | 0.33 | 0.39 | 0.88 | 0.01 | 2.05 | -2.98 |
| DeCapite, Vanessa | -0.27 | -0.36 | -2.43 | -0.91 | -1.28 | -0.50 | -0.37 | 0.56 |
| Foecking, Brian | -0.53 | -0.42 | 0.88 | 0.67 | 0.45 | -0.28 | -1.81 | -0.39 |
| Greenland, Paul | -0.06 | -0.28 | -0.19 | 1.82 | 1.62 | 0.46 | -0.99 | 0.22 |
| Hurst, Kevin R. | -0.99 | -0.36 | -1.22 | -0.94 | -1.45 | -0.21 | 0.04 | -0.46 |
| King, Jennifer | -0.76 | -0.27 | -0.12 | -0.19 | -0.50 | -1.02 | 1.44 | 1.17 |
| Kobrinetz, Joaquin J. | 1.59 | -0.21 | 0.00 | -0.58 | 0.27 | -0.61 | 0.45 | 0.83 |
| Langford, Mike | 0.19 | -0.40 | -0.52 | 2.11 | -0.88 | 2.95 | 0.78 | 0.29 |
| Lonsway, Chris | 0.51 | -0.27 | 0.14 | 0.10 | -1.28 | -0.93 | -0.45 | -0.73 |
| Lopez, Frank | -0.55 | -0.27 | -0.56 | -1.05 | 0.33 | -0.34 | -0.99 | 0.15 |
| Lowsky, John | 2.23 | 3.56 | 1.28 | 0.21 | 1.22 | 1.33 | 0.57 | 1.11 |
| May, Marianne | -0.61 | -0.28 | 0.88 | 0.13 | 0.85 | -0.36 | 0.12 | 0.15 |
| Rodriguez, Jesus (Jesse) | -0.82 | -0.30 | -0.48 | -1.27 | -1.05 | -0.46 | -0.99 | -0.32 |
| Sanchez, Arthur | 1.40 | 0.31 | 1.47 | 0.31 | 0.71 | -0.34 | 0.00 | -0.19 |
| Seiz, Ray | -0.53 | -0.32 | -0.12 | -0.30 | -0.21 | 0.10 | -0.21 | -0.19 |
| Zalewski, John | -0.27 | -0.38 | -0.56 | -0.41 | 0.07 | 0.38 | -0.95 | 0.56 |
| MAXIMUM | 2.23 | 3.56 | -2.43 | 2.11 | 1.62 | 2.95 | 2.05 | -2.98 |
| MINIMUM | -0.06 | -0.21 | 0.00 | 0.10 | 0.10 | 0.01 | 0.00 | 0.15 |
| RANGE(MAX-MIN) | 2.286 | 3.771 | -2.425 | 2.013 | 1.523 | 2.941 | 2.054 | -3.129 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 18.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= CAL-B - COMPOSITE PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Aguirre, Nancy P | 0.74 | 2.73 | 8.74 | 1.40 | 6.60 | 5.73 | 9.89 | 9.90 |
| Cales, Jonathon | 0.73 | 3.31 | 8.91 | 1.52 | 6.66 | 6.03 | 9.95 | 9.95 |
| Campbell, Bryan | 0.15 | 2.71 | 7.35 | 1.81 | 7.35 | 5.45 | 9.87 | 9.92 |
| Castillo, George | 0.68 | 2.88 | 9.25 | 1.26 | 7.00 | 5.85 | 9.90 | 9.90 |
| Dominguez, Lucio | 0.73 | 2.56 | 8.58 | 1.23 | 6.04 | 4.30 | 9.80 | 9.80 |
| Greenland, Paul | 0.60 | 5.09 | 8.95 | 1.65 | 7.00 | 5.35 | 9.95 | 9.95 |
| Kobrinetz, Joaquin J. | 0.58 | 2.83 | 8.99 | 1.25 | 6.72 | 4.84 | 9.95 | 9.95 |
| Langford, Mike | 0.59 | 2.70 | 9.19 | 1.29 | 6.40 | 6.25 | 9.80 | 9.70 |
| Lonsway, Chris | 0.74 | 2.81 | 8.87 | 1.24 | 6.12 | 4.65 | 9.90 | 9.90 |
| Lopez, Frank | 0.74 | 2.21 | 9.00 | 1.14 | 7.33 | 5.89 | 9.80 | 9.90 |
| Potocar, William P | 0.75 | 3.08 | 8.75 | 1.18 | 6.58 | 5.76 | 9.85 | 9.90 |
| Price, Gregory | 0.55 | 3.00 | 8.60 | 1.34 | 7.03 | 4.99 | 9.86 | 9.88 |
| Rodriguez, Jesus (Jesse) | 0.75 | 2.84 | 9.07 | 1.06 | 6.48 | 4.52 | 9.90 | 9.90 |
| Trevino, Robert | 0.73 | 2.84 | 8.80 | 1.37 | 6.94 | 5.45 | 9.86 | 9.93 |
| Veiga, Victor | 0.64 | 2.69 | 8.91 | 1.41 | 6.79 | 5.12 | 9.88 | 9.90 |
| Zalewski, John | 0.49 | 3.15 | 9.25 | 1.41 | 7.05 | 6.30 | 10.00 | 10.00 |
| MAXIMUM | 0.75 | 5.09 | 9.25 | 1.65 | 7.33 | 6.25 | 9.95 | 9.95 |
| MINIMUM | 0.55 | 2.21 | 8.58 | 1.06 | 6.04 | 4.30 | 9.80 | 9.70 |
| RANGE(MAX-MIN) | 0.200 | 2.880 | 0.670 | 0.590 | 1.290 | 1.950 | 0.150 | 0.250 |
| MEAN | 0.685 | 2.991 | 8.900 | 1.302 | 6.685 | 5.355 | 9.878 | 9.889 |
| STANDARD DEVIATION | 0.076 | 0.682 | 0.206 | 0.157 | 0.374 | 0.633 | 0.055 | 0.069 |
| N SIZE | 16.000 | | | | | | | |

Part ID= CAL-B - COMPOSITE PISTON

CAL-B YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|-------|-------|-------|--------|--------|--------|
| Aguirre, Nancy P | 0.72 | -0.38 | -0.78 | 0.62 | -0.23 | 0.59 | 0.22 | 0.16 |
| Cales, Jonathon | 0.59 | 0.47 | 0.05 | 1.38 | -0.07 | 1.07 | 1.31 | 0.88 |
| Campbell, Bryan | -7.05 | -0.41 | -7.54 | 3.22 | 1.78 | 0.15 | -0.14 | 0.45 |
| Castillo, George | -0.07 | -0.16 | 1.70 | -0.27 | 0.84 | 0.78 | 0.40 | 0.16 |
| Dominguez, Lucio | 0.59 | -0.63 | -1.56 | -0.46 | -1.72 | -1.67 | -1.40 | -1.29 |
| Greenland, Paul | -1.13 | 3.08 | 0.24 | 2.21 | 0.84 | -0.01 | 1.31 | 0.88 |
| Kobrinetz, Joaquin J. | -1.39 | -0.24 | 0.44 | -0.33 | 0.09 | -0.81 | 1.31 | 0.88 |
| Langford, Mike | -1.26 | -0.43 | 1.41 | -0.08 | -0.76 | 1.41 | -1.40 | -2.74 |
| Lonsway, Chris | 0.72 | -0.27 | -0.15 | -0.40 | -1.51 | -1.11 | 0.40 | 0.16 |
| Lopez, Frank | 0.72 | -1.14 | 0.49 | -1.03 | 1.73 | 0.85 | -1.40 | 0.16 |
| Potocar, William P | 0.85 | 0.13 | -0.73 | -0.78 | -0.28 | 0.64 | -0.50 | 0.16 |
| Price, Gregory | -1.78 | 0.01 | -1.46 | 0.24 | 0.92 | -0.58 | -0.32 | -0.13 |
| Rodriguez, Jesus (Jesse) | 0.85 | -0.22 | 0.83 | -1.54 | -0.55 | -1.32 | 0.40 | 0.16 |
| Trevino, Robert | 0.59 | -0.22 | -0.49 | 0.43 | 0.68 | 0.15 | -0.32 | 0.59 |
| Veiga, Victor | -0.60 | -0.44 | 0.05 | 0.68 | 0.28 | -0.37 | 0.04 | 0.16 |
| Zalewski, John | -2.57 | 0.23 | 1.70 | 0.68 | 0.98 | 1.49 | 2.21 | 1.60 |
| MAXIMUM | -1.78 | 3.08 | 1.70 | 2.21 | 1.73 | -1.67 | -1.40 | -2.74 |
| MINIMUM | -0.07 | 0.01 | 0.05 | -0.08 | -0.07 | -0.01 | 0.22 | -0.13 |
| RANGE(MAX-MIN) | -1.713 | 3.065 | 1.653 | 2.286 | 1.792 | -1.659 | -1.625 | -2.605 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 16.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= CAL-C - COMPOSITE PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Aguirre, Nancy P | 0.74 | 1.73 | 9.35 | 1.04 | 8.66 | 5.62 | 9.90 | 9.90 |
| Barrera, Tony | 0.74 | 1.15 | 8.91 | 0.93 | 8.91 | 5.45 | 9.90 | 9.89 |
| Cales, Jonathon | 0.75 | 1.84 | 8.90 | 1.11 | 8.75 | 5.16 | 9.90 | 9.90 |
| Caproni, David | 0.68 | 2.01 | 8.87 | 1.22 | 8.37 | 4.73 | 9.90 | 9.90 |
| Dominguez, Lucio | 0.72 | 1.34 | 8.46 | 1.18 | 8.20 | 4.70 | 9.77 | 9.79 |
| Garza, Juan | 0.65 | 1.44 | 9.16 | 0.77 | 8.34 | 5.30 | 10.00 | 10.00 |
| Hurst, Kevin R. | 0.72 | 1.76 | 8.72 | 2.03 | 8.54 | 5.03 | 9.90 | 9.90 |
| Kobrinetz, Joaquin J. | 0.69 | 1.57 | 9.30 | 0.84 | 9.04 | 5.23 | 10.00 | 9.99 |
| Lonsway, Chris | 0.75 | 1.30 | 9.14 | 1.30 | 8.52 | 4.89 | 9.90 | 9.90 |
| Lowsky, John | 0.55 | 1.81 | 9.69 | 1.58 | 9.15 | 6.41 | 9.90 | 9.90 |
| Potocar, William P | 0.75 | 1.59 | 9.08 | 0.86 | 8.52 | 4.89 | 9.95 | 9.95 |
| Reese, Kyle | 0.60 | 1.72 | 8.94 | 0.81 | 8.41 | 5.47 | 10.00 | 10.00 |
| Sanchez, Arthur | 0.74 | 1.24 | 9.56 | 1.16 | 9.01 | 4.68 | 9.90 | 9.74 |
| Trevino, Robert | 0.72 | 1.75 | 9.06 | 0.85 | 8.66 | 5.23 | 10.00 | 10.00 |
| Viera, Ralph B. | 0.69 | 1.72 | 9.43 | 1.08 | 8.82 | 5.20 | 10.00 | 10.00 |
| MAXIMUM | 0.75 | 2.01 | 9.69 | 2.03 | 9.15 | 6.41 | 10.00 | 10.00 |
| MINIMUM | 0.55 | 1.15 | 8.46 | 0.84 | 8.20 | 4.68 | 9.77 | 9.74 |
| RANGE(MAX-MIN) | 0.200 | 0.860 | 1.230 | 1.190 | 0.950 | 1.730 | 0.230 | 0.260 |
| MEAN | 0.711 | 1.601 | 9.113 | 1.168 | 8.704 | 5.171 | 9.917 | 9.905 |
| STANDARD DEVIATION | 0.054 | 0.265 | 0.348 | 0.332 | 0.278 | 0.471 | 0.062 | 0.075 |
| N SIZE | 15.000 | | | | | | | |

Part ID= CAL-C - COMPOSITE PISTON

CAL-C Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT |
|-----------------------|--------|--------|--------|-------|--------|-------|--------|--------|
| Aguirre, Nancy P | 0.54 | 0.49 | 0.68 | -0.38 | -0.16 | 0.95 | -0.27 | -0.06 |
| Barrera, Tony | 0.54 | -1.70 | -0.58 | -0.72 | 0.74 | 0.59 | -0.27 | -0.19 |
| Cales, Jonathon | 0.73 | 0.90 | -0.61 | -0.17 | 0.17 | -0.02 | -0.27 | -0.06 |
| Caproni, David | -0.57 | 1.55 | -0.70 | 0.16 | -1.20 | -0.94 | -0.27 | -0.06 |
| Dominguez, Lucio | 0.17 | -0.99 | -1.88 | 0.04 | -1.81 | -1.00 | -2.38 | -1.52 |
| Garza, Juan | -1.12 | -0.61 | 0.13 | -1.20 | -1.31 | 0.27 | 1.35 | 1.27 |
| Hurst, Kevin R. | 0.17 | 0.60 | -1.13 | 2.60 | -0.59 | -0.30 | -0.27 | -0.06 |
| Kobrinetz, Joaquin J. | -0.38 | -0.12 | 0.54 | -0.99 | 1.21 | 0.13 | 1.35 | 1.13 |
| Lonsway, Chris | 0.73 | -1.14 | 0.08 | 0.40 | -0.66 | -0.60 | -0.27 | -0.06 |
| Lowsky, John | -2.97 | 0.79 | 1.66 | 1.24 | 1.60 | 2.63 | -0.27 | -0.06 |
| Potocar, William P | 0.73 | -0.04 | -0.10 | -0.93 | -0.66 | -0.60 | 0.54 | 0.60 |
| Reese, Kyle | -2.05 | 0.45 | -0.50 | -1.08 | -1.06 | 0.64 | 1.35 | 1.27 |
| Sanchez, Arthur | 0.54 | -1.36 | 1.28 | -0.02 | 1.10 | -1.04 | -0.27 | -2.18 |
| Trevino, Robert | 0.17 | 0.56 | -0.15 | -0.96 | -0.16 | 0.13 | 1.35 | 1.27 |
| Viera, Ralph B. | -0.38 | 0.45 | 0.91 | -0.26 | 0.42 | 0.06 | 1.35 | 1.27 |
| MAXIMUM | -2.97 | -1.70 | -1.88 | 2.60 | -1.81 | 2.63 | -2.38 | -2.18 |
| MINIMUM | 0.17 | -0.04 | 0.08 | -0.02 | -0.16 | -0.02 | -0.27 | -0.06 |
| RANGE(MAX-MIN) | -3.144 | -1.663 | -1.953 | 2.622 | -1.655 | 2.656 | -2.107 | -2.124 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 15.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= CAL-D - COMPOSITE PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 0.40 | 2.42 | 9.77 | 0.73 | 2.00 | 5.55 | 9.67 | 9.99 |
| Campbell, Bryan | 3.00 | 1.99 | 9.78 | 1.12 | 2.85 | 4.90 | 9.75 | 9.85 |
| Caproni, David | 1.42 | 2.90 | 9.71 | 0.92 | 2.14 | 6.00 | 9.76 | 9.90 |
| DeCapite, Vanessa | 0.75 | 2.51 | 9.74 | 0.78 | 1.56 | 5.05 | 9.61 | 9.99 |
| Foecking, Brian | 0.75 | 3.10 | 9.81 | 0.66 | 2.02 | 5.18 | 9.44 | 9.90 |
| Garza, Juan | 0.89 | 2.56 | 9.65 | 0.71 | 1.58 | 5.31 | 9.71 | 10.00 |
| King, Jennifer | 0.75 | 2.67 | 9.50 | 0.92 | 1.58 | 6.30 | 9.90 | 10.00 |
| Kobrinetz, Joaquin J. | 1.12 | 2.73 | 9.70 | 0.79 | 1.80 | 5.19 | 9.71 | 9.96 |
| Langford, Mike | 0.85 | 2.15 | 9.73 | 0.89 | 2.77 | 5.75 | 9.70 | 10.00 |
| Lonsway, Chris | 0.85 | 2.58 | 9.56 | 0.70 | 1.89 | 4.96 | 9.58 | 9.90 |
| May, Marianne | 0.75 | 3.08 | 9.72 | 0.77 | 1.69 | 6.70 | 9.63 | 9.99 |
| Price, Gregory | 1.15 | 2.72 | 9.63 | 0.81 | 2.23 | 5.76 | 9.58 | 9.85 |
| Reese, Kyle | 0.88 | 2.85 | 9.87 | 0.71 | 2.43 | 4.35 | 9.51 | 10.00 |
| Seiz, Ray | 1.07 | 2.52 | 9.75 | 1.27 | 2.52 | 6.14 | 9.61 | 9.85 |
| Veiga, Víctor | 0.75 | 0.72 | 9.67 | 0.91 | 1.84 | 6.43 | 9.61 | 9.90 |
| Viera, Ralph B. | 0.81 | 2.69 | 9.88 | 0.90 | 1.99 | 5.22 | 9.80 | 10.00 |
| MAXIMUM | 1.42 | 3.10 | 9.88 | 0.92 | 2.77 | 6.70 | 9.90 | 10.00 |
| MINIMUM | 0.75 | 2.15 | 9.50 | 0.66 | 1.56 | 4.96 | 9.44 | 9.85 |
| RANGE(MAX-MIN) | 0.670 | 0.950 | 0.380 | 0.260 | 1.210 | 1.740 | 0.460 | 0.150 |
| MEAN | 0.920 | 2.713 | 9.698 | 0.814 | 1.967 | 5.611 | 9.671 | 9.949 |
| STANDARD DEVIATION | 0.231 | 0.278 | 0.112 | 0.092 | 0.361 | 0.588 | 0.131 | 0.056 |
| N SIZE | 16.000 | | | | | | | |

Part ID= CAL-D - COMPOSITE PISTON

CAL-D Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|-----------------------|--------|--------|--------|--------|-------|-------|--------|--------|
| Broff, Andy | -2.25 | -1.05 | 0.65 | -0.91 | 0.09 | -0.10 | -0.01 | 0.73 |
| Campbell, Bryan | 9.00 | -2.60 | 0.74 | 3.33 | 2.45 | -1.21 | 0.60 | -1.77 |
| Caproni, David | 2.16 | 0.67 | 0.11 | 1.15 | 0.48 | 0.66 | 0.68 | -0.87 |
| DeCapite, Vanessa | -0.74 | -0.73 | 0.38 | -0.37 | -1.13 | -0.95 | -0.47 | 0.73 |
| Foecking, Brian | -0.74 | 1.39 | 1.00 | -1.68 | 0.15 | -0.73 | -1.76 | -0.87 |
| Garza, Juan | -0.13 | -0.55 | -0.43 | -1.13 | -1.07 | -0.51 | 0.30 | 0.91 |
| King, Jennifer | -0.74 | -0.15 | -1.78 | 1.15 | -1.07 | 1.17 | 1.75 | 0.91 |
| Kobrinetz, Joaquin J. | 0.87 | 0.06 | 0.02 | -0.26 | -0.46 | -0.72 | 0.30 | 0.20 |
| Langford, Mike | -0.30 | -2.02 | 0.29 | 0.83 | 2.22 | 0.24 | 0.22 | 0.91 |
| Lonsway, Chris | -0.30 | -0.48 | -1.24 | -1.24 | -0.21 | -1.11 | -0.69 | -0.87 |
| May, Marianne | -0.74 | 1.32 | 0.20 | -0.48 | -0.77 | 1.85 | -0.31 | 0.73 |
| Price, Gregory | 1.00 | 0.03 | -0.61 | -0.04 | 0.73 | 0.25 | -0.69 | -1.77 |
| Reese, Kyle | -0.17 | 0.49 | 1.54 | -1.13 | 1.28 | -2.15 | -1.23 | 0.91 |
| Seiz, Ray | 0.65 | -0.69 | 0.47 | 4.96 | 1.53 | 0.90 | -0.47 | -1.77 |
| Veiga, Víctor | -0.74 | -7.16 | -0.25 | 1.04 | -0.35 | 1.39 | -0.47 | -0.87 |
| Viera, Ralph B. | -0.48 | -0.08 | 1.63 | 0.94 | 0.06 | -0.67 | 0.98 | 0.91 |
| MAXIMUM | 2.16 | -2.02 | -1.78 | -1.68 | 2.22 | 1.85 | -1.76 | -1.77 |
| MINIMUM | -0.30 | 0.03 | 0.02 | -0.04 | 0.06 | 0.24 | 0.22 | 0.20 |
| RANGE(MAX-MIN) | 2.467 | -2.047 | -1.793 | -1.632 | 2.160 | 1.617 | -1.983 | -1.962 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 16.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= E1-4 - CAL. SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Barrera, Tony | 9.39 | 8.77 | 8.75 | 8.93 |
| Broff, Andy | 9.68 | 8.98 | 8.24 | 8.57 |
| Castillo, George | 9.38 | 9.21 | 8.98 | 9.17 |
| DeCapite, Vanessa | 9.26 | 8.67 | 7.91 | 8.60 |
| Foecking, Brian | 9.39 | 8.92 | 8.79 | 8.89 |
| Greenland, Paul | 9.17 | 8.88 | 8.81 | 8.96 |
| Hurst, Kevin R. | 8.94 | 8.82 | 8.66 | 8.83 |
| King, Jennifer | 9.55 | 9.19 | 9.20 | 9.34 |
| Langford, Mike | 9.17 | 8.88 | 8.88 | 8.88 |
| Lopez, Frank | 9.45 | 9.10 | 8.92 | 8.97 |
| Lowsky, John | 9.50 | 9.61 | 9.34 | 9.34 |
| May, Marianne | 9.39 | 9.01 | 8.86 | 8.92 |
| Reese, Kyle | 9.33 | 9.06 | 9.06 | 9.14 |
| Rodriguez, Jesus (Jesse) | 9.47 | 9.07 | 9.06 | 9.15 |
| Sanchez, Arthur | 9.38 | 9.02 | 8.75 | 8.77 |
| Seiz, Ray | 9.68 | 9.19 | 9.26 | 9.32 |
| Trevino, Robert | 9.12 | 8.87 | 8.85 | 8.85 |
| Zalewski, John | 9.50 | 8.95 | 8.33 | 8.64 |
| MAXIMUM | 9.55 | 9.61 | 9.34 | 9.34 |
| MINIMUM | 8.94 | 8.67 | 7.91 | 8.60 |
| RANGE(MAX-MIN) | 0.610 | 0.940 | 1.430 | 0.740 |
| MEAN | 9.326 | 9.001 | 8.840 | 8.971 |
| STANDARD DEVIATION | 0.171 | 0.234 | 0.325 | 0.210 |
| N SIZE | 18.000 | | | |

Part ID= E1-4 - CAL. SEQ. VG PISTONS

E1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Barrera, Tony | 0.38 | -0.99 | -0.28 | -0.20 |
| Broff, Andy | 2.07 | -0.09 | -1.85 | -1.91 |
| Castillo, George | 0.32 | 0.89 | 0.43 | 0.94 |
| DeCapite, Vanessa | -0.38 | -1.41 | -2.86 | -1.76 |
| Foecking, Brian | 0.38 | -0.35 | -0.15 | -0.39 |
| Greenland, Paul | -0.91 | -0.52 | -0.09 | -0.05 |
| Hurst, Kevin R. | -2.26 | -0.77 | -0.55 | -0.67 |
| King, Jennifer | 1.31 | 0.80 | 1.11 | 1.75 |
| Langford, Mike | -0.91 | -0.52 | 0.12 | -0.43 |
| Lopez, Frank | 0.73 | 0.42 | 0.25 | -0.01 |
| Lowsky, John | 1.02 | 2.60 | 1.54 | 1.75 |
| May, Marianne | 0.38 | 0.04 | 0.06 | -0.24 |
| Reese, Kyle | 0.03 | 0.25 | 0.68 | 0.80 |
| Rodriguez, Jesus (Jesse) | 0.84 | 0.29 | 0.68 | 0.85 |
| Sanchez, Arthur | 0.32 | 0.08 | -0.28 | -0.96 |
| Seiz, Ray | 2.07 | 0.80 | 1.29 | 1.66 |
| Trevino, Robert | -1.20 | -0.56 | 0.03 | -0.58 |
| Zalewski, John | 1.02 | -0.22 | -1.57 | -1.57 |
| MAXIMUM | -2.26 | 2.60 | -2.86 | -1.76 |
| MINIMUM | 0.32 | 0.04 | 0.03 | -0.01 |
| RANGE(MAX-MIN) | -2.577 | 2.560 | -2.893 | -1.758 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 18.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= F1-4 - CAL. SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 8.78 | 8.57 | 8.47 | 8.56 |
| Cales, Jonathon | 9.09 | 8.98 | 8.86 | 8.74 |
| Campbell, Bryan | 8.77 | 8.50 | 7.59 | 7.46 |
| Castillo, George | 8.62 | 8.53 | 8.51 | 8.35 |
| Dominguez, Lucio | 8.82 | 8.65 | 8.76 | 8.35 |
| Greenland, Paul | 8.93 | 8.82 | 8.55 | 8.20 |
| Kobrinetz, Joaquin J. | 8.95 | 8.85 | 8.69 | 8.47 |
| Langford, Mike | 8.95 | 8.71 | 8.10 | 8.15 |
| Lopez, Frank | 8.89 | 8.79 | 8.46 | 8.17 |
| Potocar, William P | 8.74 | 8.81 | 8.91 | 8.68 |
| Price, Gregory | 8.83 | 8.77 | 8.49 | 8.41 |
| Rodriguez, Jesus (Jesse) | 9.04 | 9.10 | 8.73 | 8.17 |
| Veiga, Victor | 8.92 | 9.12 | 8.92 | 8.64 |
| Zalewski, John | 8.77 | 8.50 | 8.28 | 7.70 |
| MAXIMUM | 9.09 | 9.10 | 8.91 | 8.74 |
| MINIMUM | 8.62 | 8.53 | 8.10 | 8.15 |
| RANGE(MAX-MIN) | 0.470 | 0.570 | 0.810 | 0.590 |
| MEAN | 8.876 | 8.780 | 8.594 | 8.386 |
| STANDARD DEVIATION | 0.136 | 0.167 | 0.229 | 0.209 |
| N SIZE | 14.000 | | | |

Part ID= F1-4 - CAL. SEQ. VG PISTONS

F1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | -0.71 | -1.26 | -0.54 | 0.83 |
| Cales, Jonathon | 1.57 | 1.20 | 1.16 | 1.69 |
| Campbell, Bryan | -0.78 | -1.68 | -4.39 | -4.44 |
| Castillo, George | -1.88 | -1.50 | -0.37 | -0.17 |
| Dominguez, Lucio | -0.41 | -0.78 | 0.73 | -0.17 |
| Greenland, Paul | 0.39 | 0.24 | -0.19 | -0.89 |
| Kobrinetz, Joaquin J. | 0.54 | 0.42 | 0.42 | 0.40 |
| Langford, Mike | 0.54 | -0.42 | -2.16 | -1.13 |
| Lopez, Frank | 0.10 | 0.06 | -0.58 | -1.04 |
| Potocar, William P | -1.00 | 0.18 | 1.38 | 1.41 |
| Price, Gregory | -0.34 | -0.06 | -0.45 | 0.11 |
| Rodriguez, Jesus (Jesse) | 1.20 | 1.92 | 0.60 | -1.04 |
| Veiga, Victor | 0.32 | 2.04 | 1.43 | 1.21 |
| Zalewski, John | -0.78 | -1.68 | -1.37 | -3.29 |
| MAXIMUM | -1.88 | 1.92 | -2.16 | 1.69 |
| MINIMUM | 0.10 | 0.06 | -0.19 | 0.11 |
| RANGE(MAX-MIN) | -1.984 | 1.858 | -1.968 | 1.581 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 14.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= G1-4 - CAL. SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|-----------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 9.08 | 8.71 | 8.62 | 8.51 |
| Barrera, Tony | 8.90 | 8.45 | 8.22 | 8.38 |
| Cales, Jonathon | 9.27 | 9.10 | 8.86 | 8.84 |
| Caproni, David | 9.16 | 9.00 | 8.92 | 8.86 |
| Dominguez, Lucio | 9.20 | 8.91 | 8.72 | 8.58 |
| Garza, Juan | 8.20 | 8.17 | 7.65 | 7.65 |
| Hurst, Kevin R. | 8.93 | 8.77 | 8.65 | 8.48 |
| Kobrinetz, Joaquin J. | 9.05 | 8.67 | 8.24 | 8.45 |
| Lonsway, Chris | 9.21 | 8.87 | 8.33 | 8.34 |
| Lowsky, John | 9.39 | 9.18 | 8.82 | 8.89 |
| Potocar, William P | 9.03 | 8.80 | 8.71 | 8.45 |
| Sanchez, Arthur | 9.13 | 8.96 | 8.34 | 8.44 |
| Trevino, Robert | 8.97 | 8.83 | 8.66 | 8.61 |
| Viera, Ralph B. | 8.91 | 8.77 | 8.11 | 8.30 |
| MAXIMUM | 9.39 | 9.18 | 8.92 | 8.89 |
| MINIMUM | 8.90 | 8.45 | 8.11 | 8.30 |
| RANGE(MAX-MIN) | 0.490 | 0.730 | 0.810 | 0.590 |
| MEAN | 9.095 | 8.848 | 8.554 | 8.548 |
| STANDARD DEVIATION | 0.150 | 0.191 | 0.271 | 0.199 |
| N SIZE | 14.000 | | | |

Part ID= G1-4 - CAL. SEQ. VG PISTONS

G1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|-----------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | -0.10 | -0.72 | 0.24 | -0.19 |
| Barrera, Tony | -1.30 | -2.08 | -1.23 | -0.85 |
| Cales, Jonathon | 1.17 | 1.32 | 1.13 | 1.47 |
| Caproni, David | 0.44 | 0.80 | 1.35 | 1.57 |
| Dominguez, Lucio | 0.70 | 0.33 | 0.61 | 0.16 |
| Garza, Juan | -5.98 | -3.55 | -3.34 | -4.52 |
| Hurst, Kevin R. | -1.10 | -0.41 | 0.36 | -0.34 |
| Kobrinetz, Joaquin J. | -0.30 | -0.93 | -1.16 | -0.50 |
| Lonsway, Chris | 0.77 | 0.12 | -0.83 | -1.05 |
| Lowsky, John | 1.97 | 1.74 | 0.98 | 1.72 |
| Potocar, William P | -0.43 | -0.25 | 0.58 | -0.50 |
| Sanchez, Arthur | 0.24 | 0.59 | -0.79 | -0.55 |
| Trevino, Robert | -0.83 | -0.09 | 0.39 | 0.31 |
| Viera, Ralph B. | -1.23 | -0.41 | -1.64 | -1.25 |
| MAXIMUM | 1.97 | -2.08 | -1.64 | 1.72 |
| MINIMUM | -0.10 | -0.09 | 0.24 | 0.16 |
| RANGE(MAX-MIN) | 2.071 | -1.990 | -1.885 | 1.559 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 14.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= H1-4 - CAL. SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------|--------|--------|--------|--------|
| Broff, Andy | 8.08 | 7.94 | 8.31 | 8.18 |
| Campbell, Bryan | 7.89 | 7.50 | 7.37 | 7.17 |
| Caproni, David | 8.82 | 9.05 | 8.76 | 8.78 |
| DeCapite, Vanessa | 8.41 | 8.19 | 7.68 | 7.47 |
| Foecking, Brian | 7.75 | 8.23 | 7.58 | 7.57 |
| Garza, Juan | 7.92 | 7.63 | 7.22 | 7.15 |
| King, Jennifer | 9.13 | 8.97 | 8.74 | 8.56 |
| Lonsway, Chris | 8.45 | 8.76 | 8.32 | 8.31 |
| May, Marianne | 8.85 | 8.81 | 8.62 | 8.43 |
| Price, Gregory | 8.30 | 8.35 | 8.19 | 8.02 |
| Reese, Kyle | 8.05 | 8.92 | 8.82 | 8.82 |
| Seiz, Ray | 9.09 | 9.03 | 8.65 | 8.04 |
| Veiga, Victor | 9.08 | 9.04 | 8.41 | 8.63 |
| Viera, Ralph B. | 8.49 | 8.66 | 8.35 | 8.61 |
| MAXIMUM | 9.13 | 9.05 | 8.76 | 8.78 |
| MINIMUM | 7.75 | 8.19 | 7.58 | 7.47 |
| RANGE(MAX-MIN) | 1.380 | 0.860 | 1.180 | 1.310 |
| MEAN | 8.525 | 8.628 | 8.280 | 8.219 |
| STANDARD DEVIATION | 0.419 | 0.333 | 0.451 | 0.487 |
| N SIZE | 14.000 | | | |

Part ID= H1-4 - CAL. SEQ. VG PISTONS

H1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------|--------|--------|--------|--------|
| Broff, Andy | -1.06 | -2.07 | 0.07 | -0.08 |
| Campbell, Bryan | -1.51 | -3.39 | -2.02 | -2.15 |
| Caproni, David | 0.70 | 1.27 | 1.06 | 1.15 |
| DeCapite, Vanessa | -0.27 | -1.32 | -1.33 | -1.54 |
| Foecking, Brian | -1.85 | -1.20 | -1.55 | -1.33 |
| Garza, Juan | -1.44 | -3.00 | -2.35 | -2.20 |
| King, Jennifer | 1.44 | 1.03 | 1.02 | 0.70 |
| Lonsway, Chris | -0.18 | 0.40 | 0.09 | 0.19 |
| May, Marianne | 0.78 | 0.55 | 0.75 | 0.43 |
| Price, Gregory | -0.54 | -0.83 | -0.20 | -0.41 |
| Reese, Kyle | -1.13 | 0.88 | 1.20 | 1.24 |
| Seiz, Ray | 1.35 | 1.21 | 0.82 | -0.37 |
| Veiga, Victor | 1.32 | 1.24 | 0.29 | 0.84 |
| Viera, Ralph B. | -0.08 | 0.10 | 0.16 | 0.80 |
| MAXIMUM | -1.85 | -1.32 | -1.55 | -1.54 |
| MINIMUM | -0.08 | 0.10 | 0.09 | 0.19 |
| RANGE(MAX-MIN) | -1.765 | -1.413 | -1.642 | -1.726 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 14.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= K1-4 - CAL. SEQ. VH PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 8.66 | 8.33 | 8.21 | 7.92 |
| Broff, Andy | 8.61 | 7.47 | 6.37 | 6.24 |
| Campbell, Bryan | 7.90 | 7.52 | 6.90 | 6.75 |
| Castillo, George | 8.49 | 8.20 | 7.74 | 7.05 |
| DeCapite, Vanessa | 8.48 | 7.28 | 6.47 | 6.27 |
| Foecking, Brian | 8.77 | 8.20 | 7.88 | 7.50 |
| Greenland, Paul | 8.01 | 7.72 | 7.44 | 7.00 |
| King, Jennifer | 8.98 | 8.47 | 8.02 | 7.89 |
| Langford, Mike | 7.91 | 7.58 | 7.48 | 6.90 |
| May, Marianne | 8.78 | 8.32 | 7.75 | 7.59 |
| Price, Gregory | 8.46 | 7.74 | 7.34 | 6.78 |
| Seiz, Ray | 8.89 | 7.71 | 7.91 | 7.97 |
| Veiga, Victor | 8.60 | 7.77 | 8.06 | 7.41 |
| Zalewski, John | 8.72 | 7.65 | 7.74 | 7.15 |
| MAXIMUM | 8.98 | 8.47 | 8.21 | 7.92 |
| MINIMUM | 7.91 | 7.28 | 6.47 | 6.27 |
| RANGE(MAX-MIN) | 1.070 | 1.190 | 1.740 | 1.650 |
| MEAN | 8.504 | 7.982 | 7.592 | 7.211 |
| STANDARD DEVIATION | 0.353 | 0.411 | 0.507 | 0.551 |
| N SIZE | 14.000 | | | |

Part ID= K1-4 - CAL. SEQ. VH PISTONS

K1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------|--------|--------|--------|--------|
| Aguirre, Nancy P | 0.44 | 0.85 | 1.22 | 1.29 |
| Broff, Andy | 0.30 | -1.25 | -2.41 | -1.76 |
| Campbell, Bryan | -1.71 | -1.13 | -1.37 | -0.84 |
| Castillo, George | -0.04 | 0.53 | 0.29 | -0.29 |
| DeCapite, Vanessa | -0.07 | -1.71 | -2.22 | -1.71 |
| Foecking, Brian | 0.75 | 0.53 | 0.57 | 0.52 |
| Greenland, Paul | -1.40 | -0.64 | -0.30 | -0.38 |
| King, Jennifer | 1.35 | 1.19 | 0.84 | 1.23 |
| Langford, Mike | -1.68 | -0.98 | -0.22 | -0.56 |
| May, Marianne | 0.78 | 0.82 | 0.31 | 0.69 |
| Price, Gregory | -0.13 | -0.59 | -0.50 | -0.78 |
| Seiz, Ray | 1.09 | -0.66 | 0.63 | 1.38 |
| Veiga, Victor | 0.27 | -0.52 | 0.92 | 0.36 |
| Zalewski, John | 0.61 | -0.81 | 0.29 | -0.11 |
| MAXIMUM | -1.68 | -1.71 | -2.22 | -1.71 |
| MINIMUM | -0.04 | 0.53 | -0.22 | -0.29 |
| RANGE(MAX-MIN) | -1.643 | -2.239 | -1.994 | -1.415 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 14.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= L1-4 - CAL. SEQ. VH PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Barrera, Tony | 9.36 | 8.72 | 8.48 | 8.56 |
| Cales, Jonathon | 9.18 | 9.06 | 8.92 | 8.94 |
| Caproni, David | 9.16 | 8.86 | 8.68 | 8.66 |
| Dominguez, Lucio | 9.11 | 8.36 | 8.53 | 8.76 |
| Hurst, Kevin R. | 8.84 | 8.07 | 8.21 | 7.91 |
| Kobrinetz, Joaquin J. | 9.32 | 8.57 | 8.32 | 8.53 |
| Lonsway, Chris | 9.12 | 8.54 | 8.17 | 8.48 |
| Lopez, Frank | 9.21 | 8.63 | 8.26 | 8.53 |
| Lowsky, John | 9.46 | 8.75 | 8.70 | 8.97 |
| Potocar, William P | 9.22 | 8.51 | 8.46 | 8.62 |
| Reese, Kyle | 8.80 | 8.27 | 8.27 | 8.27 |
| Rodriguez, Jesus (Jesse) | 9.37 | 8.80 | 8.47 | 8.67 |
| Sanchez, Arthur | 9.18 | 8.64 | 8.33 | 8.56 |
| Viera, Ralph B. | 9.11 | 8.33 | 8.28 | 8.55 |
| MAXIMUM | 9.46 | 9.06 | 8.92 | 8.97 |
| MINIMUM | 8.84 | 8.07 | 8.17 | 7.91 |
| RANGE(MAX-MIN) | 0.620 | 0.990 | 0.750 | 1.060 |
| MEAN | 9.203 | 8.603 | 8.447 | 8.595 |
| STANDARD DEVIATION | 0.156 | 0.255 | 0.219 | 0.257 |
| N SIZE | 14.000 | | | |

Part ID= L1-4 - CAL. SEQ. VH PISTONS

L1-4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI |
|--------------------------|--------|--------|--------|--------|
| Barrera, Tony | 1.01 | 0.46 | 0.15 | -0.14 |
| Cales, Jonathon | -0.15 | 1.79 | 2.16 | 1.34 |
| Caproni, David | -0.28 | 1.01 | 1.06 | 0.25 |
| Dominguez, Lucio | -0.60 | -0.95 | 0.38 | 0.64 |
| Hurst, Kevin R. | -2.33 | -2.09 | -1.08 | -2.67 |
| Kobrinetz, Joaquin J. | 0.75 | -0.13 | -0.58 | -0.25 |
| Lonsway, Chris | -0.53 | -0.25 | -1.26 | -0.45 |
| Lopez, Frank | 0.04 | 0.11 | -0.85 | -0.25 |
| Lowsky, John | 1.65 | 0.58 | 1.15 | 1.46 |
| Potocar, William P | 0.11 | -0.36 | 0.06 | 0.10 |
| Reese, Kyle | -2.59 | -1.30 | -0.81 | -1.27 |
| Rodriguez, Jesus (Jesse) | 1.07 | 0.77 | 0.11 | 0.29 |
| Sanchez, Arthur | -0.15 | 0.14 | -0.53 | -0.14 |
| Viera, Ralph B. | -0.60 | -1.07 | -0.76 | -0.18 |
| MAXIMUM | -2.33 | -2.09 | 2.16 | -2.67 |
| MINIMUM | 0.04 | 0.11 | 0.06 | 0.10 |
| RANGE(MAX-MIN) | -2.374 | -2.193 | 2.099 | -2.762 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 14.000 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= PTCAL - CAL. PISTON TOPS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI |
|--------------------------|--------|--------|
| Aguirre, Nancy P | 7.85 | 7.10 |
| Barrera, Tony | 7.72 | 7.60 |
| Campbell, Bryan | 7.85 | 7.73 |
| Castillo, George | 7.59 | 7.54 |
| DeCapite, Vanessa | 8.10 | 7.87 |
| Dominguez, Lucio | 8.26 | 7.96 |
| Foecking, Brian | 8.13 | 8.00 |
| King, Jennifer | 7.08 | 7.02 |
| Lonsway, Chris | 9.00 | 8.70 |
| Lopez, Frank | 8.01 | 8.16 |
| Lowsky, John | 7.75 | 7.70 |
| Price, Gregory | 8.27 | 8.32 |
| Rodriguez, Jesus (Jesse) | 7.63 | 7.65 |
| Sanchez, Arthur | 7.88 | 7.85 |
| Seiz, Ray | 6.88 | 7.39 |
| Trevino, Robert | 7.93 | 7.90 |
| Zalewski, John | 8.49 | 8.47 |
| MAXIMUM | 9.00 | 8.70 |
| MINIMUM | 6.88 | 7.02 |
| RANGE(MAX-MIN) | 2.120 | 1.680 |
| MEAN | 7.907 | 7.821 |
| STANDARD DEVIATION | 0.492 | 0.443 |
| N SIZE | 17.000 | |

Part ID= PTCAL - CAL. PISTON TOPS

PTCAL YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI |
|--------------------------|--------|--------|
| Aguirre, Nancy P | -0.12 | -1.63 |
| Barrera, Tony | -0.38 | -0.50 |
| Campbell, Bryan | -0.12 | -0.21 |
| Castillo, George | -0.64 | -0.63 |
| DeCapite, Vanessa | 0.39 | 0.11 |
| Dominguez, Lucio | 0.72 | 0.31 |
| Foecking, Brian | 0.45 | 0.40 |
| King, Jennifer | -1.68 | -1.81 |
| Lonsway, Chris | 2.22 | 1.98 |
| Lopez, Frank | 0.21 | 0.76 |
| Lowsky, John | -0.32 | -0.27 |
| Price, Gregory | 0.74 | 1.13 |
| Rodriguez, Jesus (Jesse) | -0.56 | -0.39 |
| Sanchez, Arthur | -0.06 | 0.07 |
| Seiz, Ray | -2.09 | -0.97 |
| Trevino, Robert | 0.05 | 0.18 |
| Zalewski, John | 1.19 | 1.46 |
| MAXIMUM | 2.22 | 1.98 |
| MINIMUM | 0.05 | 0.07 |
| RANGE(MAX-MIN) | 2.175 | 1.917 |
| MEAN | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 |
| N SIZE | 17.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VALCAL - CAL. INTAKE VALVES

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 |
|--------------------------|--------|-------|
| Aguirre, Nancy P | 9.10 | 9.30 |
| Barrera, Tony | 9.20 | 9.50 |
| Campbell, Bryan | 8.70 | 8.30 |
| Castillo, George | 9.20 | 9.00 |
| DeCapite, Vanessa | 9.60 | 9.40 |
| Dominguez, Lucio | 9.30 | 9.60 |
| Foecking, Brian | 9.40 | 9.10 |
| King, Jennifer | 9.30 | 9.20 |
| Kobrinetz, Joaquin J. | 9.40 | 9.00 |
| Lonsway, Chris | 9.60 | 9.20 |
| Lopez, Frank | 9.60 | 9.20 |
| Lowsky, John | 9.40 | 9.30 |
| May, Marianne | 9.30 | 9.00 |
| Price, Gregory | 9.20 | 9.29 |
| Rodriguez, Jesus (Jesse) | 9.60 | 9.20 |
| Sanchez, Arthur | 9.20 | 9.10 |
| Seiz, Ray | 9.40 | 9.10 |
| Trevino, Robert | 9.00 | 9.30 |
| Viera, Ralph B. | 9.20 | 9.00 |
| Zalewski, John | 9.40 | 9.20 |
| MAXIMUM | 9.60 | 9.60 |
| MINIMUM | 8.70 | 8.30 |
| RANGE(MAX-MIN) | 0.900 | 1.300 |
| MEAN | 9.305 | 9.165 |
| STANDARD DEVIATION | 0.224 | 0.262 |
| N SIZE | 20.000 | |

Part ID= VALCAL - CAL. INTAKE VALVES

VALCAL YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 |
|--------------------------|--------|--------|
| Aguirre, Nancy P | -0.92 | 0.52 |
| Barrera, Tony | -0.47 | 1.28 |
| Campbell, Bryan | -2.71 | -3.30 |
| Castillo, George | -0.47 | -0.63 |
| DeCapite, Vanessa | 1.32 | 0.90 |
| Dominguez, Lucio | -0.02 | 1.66 |
| Foecking, Brian | 0.43 | -0.25 |
| King, Jennifer | -0.02 | 0.14 |
| Kobrinetz, Joaquin J. | 0.43 | -0.63 |
| Lonsway, Chris | 1.32 | 0.14 |
| Lopez, Frank | 1.32 | 0.14 |
| Lowsky, John | 0.43 | 0.52 |
| May, Marianne | -0.02 | -0.63 |
| Price, Gregory | -0.47 | 0.48 |
| Rodriguez, Jesus (Jesse) | 1.32 | 0.14 |
| Sanchez, Arthur | -0.47 | -0.25 |
| Seiz, Ray | 0.43 | -0.25 |
| Trevino, Robert | -1.36 | 0.52 |
| Viera, Ralph B. | -0.47 | -0.63 |
| Zalewski, John | 0.43 | 0.14 |
| MAXIMUM | -2.71 | -3.30 |
| MINIMUM | -0.02 | 0.14 |
| RANGE(MAX-MIN) | -2.684 | -3.437 |
| MEAN | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 |
| N SIZE | 20.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VSCALL - CAL RC BFL SLUDGE L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.66 | |
| Barrera, Tony | 9.64 | |
| Cales, Jonathon | 9.47 | |
| Campbell, Bryan | 9.63 | |
| Caproni, David | 9.50 | |
| Castillo, George | 9.60 | |
| DeCapite, Vanessa | 9.71 | |
| Dominguez, Lucio | 9.55 | |
| Foecking, Brian | 9.45 | |
| Greenland, Paul | 9.60 | |
| Hurst, Kevin R. | 9.63 | |
| King, Jennifer | 9.25 | |
| Kobrinetz, Joaquin J. | 9.69 | |
| Langford, Mike | 9.63 | |
| Lonsway, Chris | 9.52 | |
| Lopez, Frank | 9.58 | |
| Lowsky, John | 9.60 | |
| May, Marianne | 9.52 | |
| Potocar, William P | 9.54 | |
| Price, Gregory | 9.65 | |
| Rodriguez, Jesus (Jesse) | 9.69 | |
| Sanchez, Arthur | 9.65 | |
| Seiz, Ray | 9.43 | |
| Trevino, Robert | 9.56 | |
| Veiga, Victor | 9.45 | |
| Viera, Ralph B. | 9.70 | |
| Zalewski, John | 9.63 | |
| MAXIMUM | 9.71 | |
| MINIMUM | 9.25 | |
| RANGE(MAX-MIN) | 0.460 | |
| MEAN | 9.575 | |
| STANDARD DEVIATION | 0.104 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VSCALL - CAL RC BFL SLUDGE L

VSCALL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.82 | |
| Barrera, Tony | 0.62 | |
| Cales, Jonathon | -1.01 | |
| Campbell, Bryan | 0.53 | |
| Caproni, David | -0.72 | |
| Castillo, George | 0.24 | |
| DeCapite, Vanessa | 1.30 | |
| Dominguez, Lucio | -0.24 | |
| Foecking, Brian | -1.21 | |
| Greenland, Paul | 0.24 | |
| Hurst, Kevin R. | 0.53 | |
| King, Jennifer | -3.14 | |
| Kobrinetz, Joaquin J. | 1.11 | |
| Langford, Mike | 0.53 | |
| Lonsway, Chris | -0.53 | |
| Lopez, Frank | 0.05 | |
| Lowsky, John | 0.24 | |
| May, Marianne | -0.53 | |
| Potocar, William P | -0.34 | |
| Price, Gregory | 0.72 | |
| Rodriguez, Jesus (Jesse) | 1.11 | |
| Sanchez, Arthur | 0.72 | |
| Seiz, Ray | -1.40 | |
| Trevino, Robert | -0.15 | |
| Veiga, Victor | -1.21 | |
| Viera, Ralph B. | 1.20 | |
| Zalewski, John | 0.53 | |
| MAXIMUM | -3.14 | |
| MINIMUM | 0.05 | |
| RANGE(MAX-MIN) | -3.182 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VSCALR - CAL RC BFL SLUDGE R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.60 | |
| Barrera, Tony | 9.65 | |
| Cales, Jonathon | 9.46 | |
| Campbell, Bryan | 9.64 | |
| Caproni, David | 9.45 | |
| Castillo, George | 9.57 | |
| DeCapite, Vanessa | 9.68 | |
| Dominguez, Lucio | 9.61 | |
| Foecking, Brian | 9.47 | |
| Greenland, Paul | 9.60 | |
| Hurst, Kevin R. | 9.63 | |
| King, Jennifer | 9.25 | |
| Kobrinetz, Joaquin J. | 9.69 | |
| Langford, Mike | 9.61 | |
| Lonsway, Chris | 9.57 | |
| Lopez, Frank | 9.56 | |
| Lowsky, John | 9.59 | |
| May, Marianne | 9.52 | |
| Potocar, William P | 9.51 | |
| Price, Gregory | 9.65 | |
| Rodriguez, Jesus (Jesse) | 9.64 | |
| Sanchez, Arthur | 9.60 | |
| Seiz, Ray | 9.58 | |
| Trevino, Robert | 9.59 | |
| Veiga, Victor | 9.61 | |
| Viera, Ralph B. | 9.75 | |
| Zalewski, John | 9.63 | |
| MAXIMUM | 9.75 | |
| MINIMUM | 9.25 | |
| RANGE(MAX-MIN) | 0.500 | |
| MEAN | 9.582 | |
| STANDARD DEVIATION | 0.096 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VSCALR - CAL RC BFL SLUDGE R

VSCALR Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.19 | |
| Barrera, Tony | 0.71 | |
| Cales, Jonathon | -1.27 | |
| Campbell, Bryan | 0.61 | |
| Caproni, David | -1.38 | |
| Castillo, George | -0.12 | |
| DeCapite, Vanessa | 1.03 | |
| Dominguez, Lucio | 0.29 | |
| Foecking, Brian | -1.17 | |
| Greenland, Paul | 0.19 | |
| Hurst, Kevin R. | 0.50 | |
| King, Jennifer | -3.47 | |
| Kobrinetz, Joaquin J. | 1.13 | |
| Langford, Mike | 0.29 | |
| Lonsway, Chris | -0.12 | |
| Lopez, Frank | -0.23 | |
| Lowsky, John | 0.09 | |
| May, Marianne | -0.65 | |
| Potocar, William P | -0.75 | |
| Price, Gregory | 0.71 | |
| Rodriguez, Jesus (Jesse) | 0.61 | |
| Sanchez, Arthur | 0.19 | |
| Seiz, Ray | -0.02 | |
| Trevino, Robert | 0.09 | |
| Veiga, Victor | 0.29 | |
| Viera, Ralph B. | 1.76 | |
| Zalewski, John | 0.50 | |
| MAXIMUM | -3.47 | |
| MINIMUM | -0.02 | |
| RANGE(MAX-MIN) | -3.446 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVCALL - CAL RC BFL VARN L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.74 | |
| Barrera, Tony | 9.70 | |
| Cales, Jonathon | 9.76 | |
| Campbell, Bryan | 9.85 | |
| Caproni, David | 9.75 | |
| Castillo, George | 9.82 | |
| DeCapite, Vanessa | 9.88 | |
| Dominguez, Lucio | 9.70 | |
| Foecking, Brian | 9.64 | |
| Greenland, Paul | 9.88 | |
| Hurst, Kevin R. | 9.78 | |
| King, Jennifer | 9.70 | |
| Kobrinetz, Joaquin J. | 9.73 | |
| Langford, Mike | 9.90 | |
| Lonsway, Chris | 9.70 | |
| Lopez, Frank | 9.80 | |
| Lowsky, John | 9.75 | |
| May, Marianne | 9.75 | |
| Potocar, William P | 9.68 | |
| Price, Gregory | 9.60 | |
| Rodriguez, Jesus (Jesse) | 9.75 | |
| Sanchez, Arthur | 9.70 | |
| Seiz, Ray | 9.70 | |
| Trevino, Robert | 9.73 | |
| Veiga, Victor | 9.81 | |
| Viera, Ralph B. | 9.57 | |
| Zalewski, John | 9.70 | |
| MAXIMUM | 9.90 | |
| MINIMUM | 9.57 | |
| RANGE(MAX-MIN) | 0.330 | |
| MEAN | 9.740 | |
| STANDARD DEVIATION | 0.082 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVCALL - CAL RC BFL VARN L

VVCALL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.01 | |
| Barrera, Tony | -0.48 | |
| Cales, Jonathon | 0.25 | |
| Campbell, Bryan | 1.35 | |
| Caproni, David | 0.13 | |
| Castillo, George | 0.98 | |
| DeCapite, Vanessa | 1.72 | |
| Dominguez, Lucio | -0.48 | |
| Foecking, Brian | -1.22 | |
| Greenland, Paul | 1.72 | |
| Hurst, Kevin R. | 0.49 | |
| King, Jennifer | -0.48 | |
| Kobrinetz, Joaquin J. | -0.12 | |
| Langford, Mike | 1.96 | |
| Lonsway, Chris | -0.48 | |
| Lopez, Frank | 0.74 | |
| Lowsky, John | 0.13 | |
| May, Marianne | 0.13 | |
| Potocar, William P | -0.73 | |
| Price, Gregory | -1.70 | |
| Rodriguez, Jesus (Jesse) | 0.13 | |
| Sanchez, Arthur | -0.48 | |
| Seiz, Ray | -0.48 | |
| Trevino, Robert | -0.12 | |
| Veiga, Victor | 0.86 | |
| Viera, Ralph B. | -2.07 | |
| Zalewski, John | -0.48 | |
| MAXIMUM | -2.07 | |
| MINIMUM | 0.01 | |
| RANGE(MAX-MIN) | -2.076 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVICALR - CAL RC BFL VARN R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.74 | |
| Barrera, Tony | 9.70 | |
| Cales, Jonathon | 9.76 | |
| Campbell, Bryan | 9.90 | |
| Caproni, David | 9.75 | |
| Castillo, George | 9.86 | |
| DeCapite, Vanessa | 9.88 | |
| Dominguez, Lucio | 9.70 | |
| Foecking, Brian | 9.72 | |
| Greenland, Paul | 9.90 | |
| Hurst, Kevin R. | 9.79 | |
| King, Jennifer | 9.80 | |
| Kobrinetz, Joaquin J. | 9.84 | |
| Langford, Mike | 9.90 | |
| Lonsway, Chris | 9.70 | |
| Lopez, Frank | 9.80 | |
| Lowsky, John | 9.75 | |
| May, Marianne | 9.80 | |
| Potocar, William P | 9.78 | |
| Price, Gregory | 9.70 | |
| Rodriguez, Jesus (Jesse) | 9.80 | |
| Sanchez, Arthur | 9.70 | |
| Seiz, Ray | 9.70 | |
| Trevino, Robert | 9.73 | |
| Veiga, Victor | 9.78 | |
| Viera, Ralph B. | 9.75 | |
| Zalewski, John | 9.80 | |
| MAXIMUM | 9.90 | |
| MINIMUM | 9.70 | |
| RANGE(MAX-MIN) | 0.200 | |
| MEAN | 9.776 | |
| STANDARD DEVIATION | 0.065 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVICALR - CAL RC BFL VARN R

VVICALR Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | -0.56 | |
| Barrera, Tony | -1.17 | |
| Cales, Jonathon | -0.25 | |
| Campbell, Bryan | 1.91 | |
| Caproni, David | -0.40 | |
| Castillo, George | 1.29 | |
| DeCapite, Vanessa | 1.60 | |
| Dominguez, Lucio | -1.17 | |
| Foecking, Brian | -0.86 | |
| Greenland, Paul | 1.91 | |
| Hurst, Kevin R. | 0.21 | |
| King, Jennifer | 0.37 | |
| Kobrinetz, Joaquin J. | 0.98 | |
| Langford, Mike | 1.91 | |
| Lonsway, Chris | -1.17 | |
| Lopez, Frank | 0.37 | |
| Lowsky, John | -0.40 | |
| May, Marianne | 0.37 | |
| Potocar, William P | 0.06 | |
| Price, Gregory | -1.17 | |
| Rodriguez, Jesus (Jesse) | 0.37 | |
| Sanchez, Arthur | -1.17 | |
| Seiz, Ray | -1.17 | |
| Trevino, Robert | -0.71 | |
| Veiga, Victor | 0.06 | |
| Viera, Ralph B. | -0.40 | |
| Zalewski, John | 0.37 | |
| MAXIMUM | 1.91 | |
| MINIMUM | 0.06 | |
| RANGE(MAX-MIN) | 1.846 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 27.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A1 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Aguirre, Nancy P | 2.09 | 1.40 | 8.28 | 0.93 | 4.05 | 1.07 | 9.59 | 9.86 |
| Cales, Jonathon | 2.07 | 1.58 | 7.76 | 0.95 | 4.93 | 1.10 | 8.88 | 9.90 |
| Castillo, George | 2.27 | 1.68 | 8.45 | 0.81 | 4.15 | 1.05 | 9.39 | 9.79 |
| Dominguez, Lucio | 2.08 | 1.19 | 7.96 | 1.15 | 3.48 | 1.00 | 9.25 | 9.80 |
| Greenland, Paul | 1.83 | 1.36 | 8.31 | 1.04 | 4.15 | 1.40 | 9.17 | 9.70 |
| Hurst, Kevin R. | 1.35 | 1.18 | 7.92 | 0.89 | 3.87 | 1.05 | 9.52 | 9.89 |
| Lopez, Frank | 1.46 | 1.29 | 8.50 | 0.91 | 4.14 | 1.00 | 9.04 | 9.85 |
| Potocar, William P | 1.68 | 1.18 | 7.71 | 0.84 | 3.76 | 1.06 | 8.93 | 9.71 |
| Rodriguez, Jesus (Jesse) | 1.70 | 1.12 | 7.98 | 0.82 | 3.41 | 1.03 | 9.33 | 9.85 |
| Trevino, Robert | 1.78 | 1.39 | 8.14 | 0.87 | 4.62 | 1.04 | 9.37 | 9.88 |
| Zalewski, John | 1.82 | 1.34 | 8.17 | 0.96 | 4.72 | 1.00 | 9.28 | 9.87 |
| MAXIMUM | 2.27 | 1.68 | 8.50 | 1.15 | 4.93 | 1.40 | 9.59 | 9.90 |
| MINIMUM | 1.35 | 1.12 | 7.71 | 0.81 | 3.41 | 1.00 | 8.88 | 9.70 |
| RANGE(MAX-MIN) | 0.920 | 0.560 | 0.790 | 0.340 | 1.520 | 0.400 | 0.710 | 0.200 |
| MEAN | 1.831 | 1.337 | 8.101 | 0.921 | 4.056 | 1.080 | 9.247 | 9.823 |
| STANDARD DEVIATION | 0.296 | 0.184 | 0.278 | 0.106 | 0.469 | 0.116 | 0.240 | 0.071 |
| N SIZE | 11.000 | | | | | | | |

Part ID= A1 - SEQUENCE IIIG PISTON

A1 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|--------|-------|-------|-------|-------|-------|--------|--------|
| Aguirre, Nancy P | 0.87 | 0.34 | 0.64 | 0.09 | -0.01 | -0.09 | 1.43 | 0.52 |
| Cales, Jonathon | 0.81 | 1.32 | -1.23 | 0.27 | 1.86 | 0.17 | -1.53 | 1.08 |
| Castillo, George | 1.48 | 1.87 | 1.26 | -1.05 | 0.20 | -0.26 | 0.60 | -0.46 |
| Dominguez, Lucio | 0.84 | -0.80 | -0.51 | 2.17 | -1.23 | -0.69 | 0.01 | -0.32 |
| Greenland, Paul | 0.00 | 0.13 | 0.75 | 1.13 | 0.20 | 2.75 | -0.32 | -1.72 |
| Hurst, Kevin R. | -1.62 | -0.85 | -0.65 | -0.29 | -0.40 | -0.26 | 1.14 | 0.94 |
| Lopez, Frank | -1.25 | -0.26 | 1.44 | -0.10 | 0.18 | -0.69 | -0.86 | 0.38 |
| Potocar, William P | -0.51 | -0.85 | -1.41 | -0.77 | -0.63 | -0.17 | -1.32 | -1.58 |
| Rodriguez, Jesus (Jesse) | -0.44 | -1.18 | -0.44 | -0.96 | -1.38 | -0.43 | 0.35 | 0.38 |
| Trevino, Robert | -0.17 | 0.29 | 0.14 | -0.48 | 1.20 | -0.34 | 0.51 | 0.80 |
| Zalewski, John | -0.04 | 0.02 | 0.25 | 0.37 | 1.42 | -0.69 | 0.14 | 0.66 |
| MAXIMUM | -1.62 | 1.87 | 1.44 | 2.17 | 1.86 | 2.75 | -1.53 | -1.72 |
| MINIMUM | 0.00 | 0.13 | 0.14 | 0.09 | -0.01 | -0.09 | 0.01 | -0.32 |
| RANGE(MAX-MIN) | -1.620 | 1.741 | 1.296 | 2.084 | 1.877 | 2.834 | -1.541 | -1.399 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 11.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A2 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 8.04 | 0.75 | 8.83 | 1.09 | 0.87 | 1.02 | 9.69 | 9.74 | |
| Cales, Jonathon | 6.59 | 0.73 | 8.54 | 0.94 | 0.95 | 1.00 | 9.56 | 9.66 | |
| Castillo, George | 8.03 | 0.75 | 9.12 | 1.05 | 0.89 | 0.81 | 9.53 | 9.87 | |
| Dominguez, Lucio | 6.37 | 0.75 | 8.60 | 1.25 | 0.85 | 1.06 | 9.43 | 9.52 | |
| Greenland, Paul | 7.96 | 0.66 | 8.90 | 1.20 | 0.91 | 1.50 | 9.33 | 9.59 | |
| Hurst, Kevin R. | 7.41 | 0.74 | 8.61 | 1.12 | 0.86 | 1.00 | 9.69 | 9.77 | |
| Kobrinetz, Joaquin J. | 6.83 | 0.74 | 8.78 | 1.09 | 0.86 | 0.96 | 9.54 | 9.73 | |
| Lopez, Frank | 6.70 | 0.75 | 8.86 | 1.28 | 0.85 | 0.75 | 9.44 | 9.59 | |
| Potocar, William P | 6.70 | 0.75 | 8.70 | 1.00 | 0.89 | 1.03 | 9.39 | 9.54 | |
| Rodriguez, Jesus (Jesse) | 6.08 | 0.75 | 8.62 | 0.98 | 0.88 | 1.00 | 9.50 | 9.75 | |
| Trevino, Robert | 6.90 | 0.75 | 8.83 | 0.97 | 0.83 | 1.00 | 9.59 | 9.76 | |
| Veiga, Victor | 6.88 | 0.75 | 9.07 | 1.04 | 0.95 | 1.00 | 9.71 | 9.74 | |
| Zalewski, John | 7.02 | 0.75 | 8.45 | 1.49 | 0.89 | 1.00 | 9.24 | 9.48 | |
| MAXIMUM | 8.04 | 0.75 | 9.12 | 1.28 | 0.95 | 1.50 | 9.69 | 9.87 | |
| MINIMUM | 6.08 | 0.66 | 8.54 | 0.94 | 0.83 | 0.75 | 9.33 | 9.52 | |
| RANGE(MAX-MIN) | 1.960 | 0.090 | 0.580 | 0.340 | 0.120 | 0.750 | 0.360 | 0.350 | |
| MEAN | 7.055 | 0.738 | 8.763 | 1.088 | 0.876 | 1.012 | 9.517 | 9.684 | |
| STANDARD DEVIATION | 0.695 | 0.050 | 0.170 | 0.115 | 0.050 | 0.188 | 0.115 | 0.111 | |
| N SIZE | 13.000 | | | | | | | | |

Part ID= A2 - SEQUENCE IIIG PISTON

A2 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|--------|-------|-------|-------|-------|--------|-------|--|
| Aguirre, Nancy P | 1.42 | 0.24 | 0.40 | 0.02 | -0.13 | 0.04 | 1.50 | 0.51 | |
| Cales, Jonathon | -0.67 | -0.16 | -1.31 | -1.28 | 1.47 | -0.06 | 0.37 | -0.21 | |
| Castillo, George | 1.40 | 0.24 | 2.10 | -0.33 | 0.27 | -1.07 | 0.11 | 1.68 | |
| Dominguez, Lucio | -0.99 | 0.24 | -0.96 | 1.40 | -0.53 | 0.26 | -0.76 | -1.47 | |
| Greenland, Paul | 1.30 | -1.56 | 0.81 | 0.97 | 0.67 | 2.60 | -1.63 | -0.84 | |
| Hurst, Kevin R. | 0.51 | 0.04 | -0.90 | 0.28 | -0.33 | -0.06 | 1.50 | 0.78 | |
| Kobrinetz, Joaquin J. | -0.32 | 0.04 | 0.10 | 0.02 | -0.33 | -0.28 | 0.20 | 0.42 | |
| Lopez, Frank | -0.51 | 0.24 | 0.57 | 1.66 | -0.53 | -1.39 | -0.67 | -0.84 | |
| Potocar, William P | -0.51 | 0.24 | -0.37 | -0.76 | 0.27 | 0.10 | -1.11 | -1.29 | |
| Rodriguez, Jesus (Jesse) | -1.40 | 0.24 | -0.84 | -0.94 | 0.07 | -0.06 | -0.15 | 0.60 | |
| Trevino, Robert | -0.22 | 0.24 | 0.40 | -1.02 | -0.93 | -0.06 | 0.63 | 0.69 | |
| Veiga, Victor | -0.25 | 0.24 | 1.81 | -0.42 | 1.47 | -0.06 | 1.67 | 0.51 | |
| Zalewski, John | -0.05 | 0.24 | -1.84 | 3.48 | 0.27 | -0.06 | -2.41 | -1.83 | |
| MAXIMUM | 1.42 | -1.56 | 2.10 | 1.66 | 1.47 | 2.60 | -1.63 | 1.68 | |
| MINIMUM | -0.22 | 0.04 | 0.10 | 0.02 | 0.07 | 0.04 | 0.11 | -0.21 | |
| RANGE(MAX-MIN) | 1.641 | -1.600 | 2.000 | 1.645 | 1.400 | 2.553 | -1.737 | 1.892 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 0.535 | 1.000 | 1.000 | 0.665 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 13.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A3 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 1.77 | 0.75 | 9.34 | 1.28 | 3.01 | 1.20 | 9.27 | 9.89 | |
| Cales, Jonathon | 1.96 | 0.75 | 9.40 | 1.23 | 3.76 | 2.70 | 8.87 | 9.86 | |
| Castillo, George | 2.30 | 0.75 | 9.51 | 0.91 | 2.98 | 1.13 | 8.78 | 9.92 | |
| Dominguez, Lucio | 2.11 | 0.75 | 9.11 | 1.34 | 2.66 | 0.99 | 8.64 | 9.87 | |
| Greenland, Paul | 1.13 | 0.71 | 9.49 | 0.95 | 3.09 | 1.50 | 9.04 | 9.93 | |
| Hurst, Kevin R. | 1.72 | 0.75 | 9.46 | 1.16 | 2.72 | 1.05 | 9.31 | 9.89 | |
| Kobrinetz, Joaquin J. | 1.96 | 0.71 | 9.54 | 1.13 | 2.69 | 1.04 | 9.14 | 9.93 | |
| Lopez, Frank | 1.42 | 0.74 | 9.55 | 1.24 | 2.87 | 1.00 | 8.88 | 9.90 | |
| Potocar, William P | 1.70 | 0.75 | 9.40 | 0.96 | 2.38 | 1.15 | 8.19 | 9.85 | |
| Rodriguez, Jesus (Jesse) | 1.56 | 0.75 | 9.34 | 1.20 | 2.86 | 1.03 | 8.65 | 9.89 | |
| Trevino, Robert | 2.11 | 0.71 | 9.26 | 1.03 | 2.95 | 1.06 | 9.13 | 9.87 | |
| Zalewski, John | 1.43 | 0.69 | 9.28 | 1.36 | 3.54 | 1.05 | 8.73 | 9.87 | |
| MAXIMUM | 2.30 | 0.75 | 9.55 | 1.34 | 3.76 | 2.70 | 9.31 | 9.93 | |
| MINIMUM | 1.13 | 0.71 | 9.11 | 0.91 | 2.38 | 0.99 | 8.19 | 9.85 | |
| RANGE(MAX-MIN) | 1.170 | 0.040 | 0.440 | 0.430 | 1.380 | 1.710 | 1.120 | 0.080 | |
| MEAN | 1.795 | 0.738 | 9.400 | 1.130 | 2.906 | 1.259 | 8.900 | 9.891 | |
| STANDARD DEVIATION | 0.341 | 0.050 | 0.133 | 0.146 | 0.347 | 0.499 | 0.329 | 0.050 | |
| N SIZE | 12.000 | | | | | | | | |

Part ID= A3 - SEQUENCE IIIG PISTON

A3 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------------|--------|--------|--------|--------|-------|-------|--------|--------|--|
| Aguirre, Nancy P | -0.07 | 0.24 | -0.45 | 1.02 | 0.30 | -0.12 | 1.12 | -0.02 | |
| Cales, Jonathon | 0.49 | 0.24 | 0.00 | 0.68 | 2.46 | 2.89 | -0.09 | -0.62 | |
| Castillo, George | 1.48 | 0.24 | 0.83 | -1.50 | 0.21 | -0.26 | -0.36 | 0.58 | |
| Dominguez, Lucio | 0.93 | 0.24 | -2.18 | 1.43 | -0.71 | -0.54 | -0.79 | -0.42 | |
| Greenland, Paul | -1.95 | -0.56 | 0.68 | -1.23 | 0.53 | 0.48 | 0.43 | 0.78 | |
| Hurst, Kevin R. | -0.22 | 0.24 | 0.45 | 0.21 | -0.54 | -0.42 | 1.24 | -0.02 | |
| Kobrinetz, Joaquin J. | 0.49 | -0.56 | 1.05 | 0.00 | -0.62 | -0.44 | 0.73 | 0.78 | |
| Lopez, Frank | -1.10 | 0.04 | 1.13 | 0.75 | -0.10 | -0.52 | -0.06 | 0.18 | |
| Potocar, William P | -0.28 | 0.24 | 0.00 | -1.16 | -1.52 | -0.22 | -2.16 | -0.82 | |
| Rodriguez, Jesus (Jesse) | -0.69 | 0.24 | -0.45 | 0.48 | -0.13 | -0.46 | -0.76 | -0.02 | |
| Trevino, Robert | 0.93 | -0.56 | -1.05 | -0.68 | 0.13 | -0.40 | 0.70 | -0.42 | |
| Zalewski, John | -1.07 | -0.96 | -0.90 | 1.57 | 1.83 | -0.42 | -0.52 | -0.42 | |
| MAXIMUM | -1.95 | -0.56 | -2.18 | -1.50 | 2.46 | 2.89 | -2.16 | -0.82 | |
| MINIMUM | -0.07 | 0.04 | 0.00 | 0.00 | -0.10 | -0.12 | -0.06 | -0.02 | |
| RANGE(MAX-MIN) | -1.878 | -0.600 | -2.181 | -1.503 | 2.566 | 3.006 | -2.095 | -0.800 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 0.367 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.547 | |
| N SIZE | 12.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A4 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 0.66 | 1.30 | 9.05 | 0.89 | 3.57 | 4.81 | 9.82 | 9.75 | |
| Cales, Jonathon | 0.61 | 1.17 | 8.91 | 0.83 | 3.26 | 4.03 | 9.78 | 9.75 | |
| Castillo, George | 0.54 | 1.25 | 9.48 | 0.85 | 3.18 | 4.07 | 9.75 | 9.76 | |
| Dominguez, Lucio | 0.74 | 1.28 | 8.78 | 1.02 | 2.56 | 4.37 | 9.72 | 9.62 | |
| Greenland, Paul | 0.54 | 1.49 | 9.10 | 0.93 | 3.08 | 4.08 | 8.70 | 8.85 | |
| Hurst, Kevin R. | 0.65 | 1.29 | 9.00 | 0.82 | 2.68 | 5.00 | 9.79 | 9.79 | |
| Lopez, Frank | 0.53 | 1.32 | 9.29 | 0.76 | 2.62 | 4.61 | 9.79 | 9.73 | |
| Potocar, William P | 0.64 | 1.01 | 8.61 | 0.74 | 2.51 | 4.59 | 9.52 | 9.38 | |
| Price, Gregory | 0.43 | 1.24 | 8.55 | 0.89 | 2.64 | 4.23 | 9.68 | 9.70 | |
| Rodriguez, Jesus (Jesse) | 0.67 | 1.30 | 8.83 | 0.80 | 2.57 | 4.28 | 9.74 | 9.67 | |
| Trevino, Robert | 0.57 | 1.30 | 9.08 | 1.49 | 3.18 | 4.09 | 9.79 | 9.78 | |
| Zalewski, John | 0.62 | 1.68 | 8.82 | 1.03 | 3.31 | 5.08 | 9.66 | 9.76 | |
| MAXIMUM | 0.74 | 1.49 | 9.48 | 1.49 | 3.57 | 5.00 | 9.82 | 9.79 | |
| MINIMUM | 0.43 | 1.01 | 8.55 | 0.74 | 2.51 | 4.03 | 8.70 | 8.85 | |
| RANGE(MAX-MIN) | 0.310 | 0.480 | 0.930 | 0.750 | 1.060 | 0.970 | 1.120 | 0.940 | |
| MEAN | 0.598 | 1.268 | 8.971 | 0.911 | 2.895 | 4.378 | 9.644 | 9.616 | |
| STANDARD DEVIATION | 0.086 | 0.115 | 0.276 | 0.208 | 0.366 | 0.330 | 0.324 | 0.279 | |
| N SIZE | 12.000 | | | | | | | | |

Part ID= A4 - SEQUENCE IIIH PISTON

A4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------------|--------|--------|-------|-------|-------|-------|--------|--------|--|
| Aguirre, Nancy P | 0.72 | 0.28 | 0.29 | -0.10 | 1.84 | 1.31 | 0.54 | 0.48 | |
| Cales, Jonathon | 0.14 | -0.85 | -0.22 | -0.39 | 1.00 | -1.05 | 0.42 | 0.48 | |
| Castillo, George | -0.68 | -0.16 | 1.84 | -0.29 | 0.78 | -0.93 | 0.33 | 0.51 | |
| Dominguez, Lucio | 1.65 | 0.10 | -0.69 | 0.53 | -0.92 | -0.02 | 0.24 | 0.01 | |
| Greenland, Paul | -0.68 | 1.92 | 0.47 | 0.09 | 0.50 | -0.90 | -2.92 | -2.75 | |
| Hurst, Kevin R. | 0.60 | 0.19 | 0.11 | -0.44 | -0.59 | 1.88 | 0.45 | 0.62 | |
| Lopez, Frank | -0.79 | 0.45 | 1.15 | -0.73 | -0.75 | 0.70 | 0.45 | 0.41 | |
| Potocar, William P | 0.49 | -2.24 | -1.31 | -0.82 | -1.05 | 0.64 | -0.38 | -0.85 | |
| Price, Gregory | -1.95 | -0.24 | -1.52 | -0.10 | -0.70 | -0.45 | 0.11 | 0.30 | |
| Rodriguez, Jesus (Jesse) | 0.83 | 0.28 | -0.51 | -0.53 | -0.89 | -0.30 | 0.30 | 0.19 | |
| Trevino, Robert | -0.33 | 0.28 | 0.39 | 2.79 | 0.78 | -0.87 | 0.45 | 0.59 | |
| Zalewski, John | 0.25 | 3.57 | -0.55 | 0.57 | 1.13 | 2.12 | 0.05 | 0.51 | |
| MAXIMUM | -1.95 | -2.24 | 1.84 | 2.79 | 1.84 | 1.88 | -2.92 | -2.75 | |
| MINIMUM | 0.14 | 0.10 | 0.11 | 0.09 | 0.50 | -0.02 | 0.11 | 0.01 | |
| RANGE(MAX-MIN) | -2.090 | -2.342 | 1.737 | 2.697 | 1.339 | 1.907 | -3.028 | -2.758 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 12.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A5 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 0.89 | 7.49 | 9.52 | 2.77 | 8.90 | 4.82 | 9.89 | 9.90 | |
| Cales, Jonathon | 0.93 | 7.75 | 9.58 | 3.00 | 8.68 | 4.42 | 9.90 | 9.90 | |
| Castillo, George | 1.45 | 7.55 | 9.27 | 2.40 | 9.15 | 4.29 | 9.96 | 9.96 | |
| Dominguez, Lucio | 0.79 | 7.18 | 9.39 | 2.81 | 8.62 | 4.12 | 9.90 | 9.88 | |
| Greenland, Paul | 0.75 | 7.89 | 9.53 | 2.94 | 8.56 | 3.96 | 9.90 | 9.90 | |
| Lopez, Frank | 0.96 | 7.82 | 9.53 | 2.23 | 8.96 | 3.20 | 9.90 | 9.90 | |
| Potocar, William P | 0.96 | 7.17 | 9.31 | 3.34 | 8.61 | 3.99 | 9.90 | 9.90 | |
| Rodriguez, Jesus (Jesse) | 0.87 | 5.42 | 9.12 | 2.66 | 8.83 | 3.92 | 9.87 | 9.87 | |
| Trevino, Robert | 0.97 | 7.29 | 9.21 | 2.85 | 8.77 | 3.80 | 9.90 | 9.90 | |
| Zalewski, John | 1.09 | 7.16 | 9.37 | 3.02 | 8.43 | 4.31 | 9.80 | 9.80 | |
| MAXIMUM | 1.45 | 7.89 | 9.58 | 3.34 | 9.15 | 4.82 | 9.96 | 9.96 | |
| MINIMUM | 0.75 | 5.42 | 9.12 | 2.23 | 8.56 | 3.20 | 9.87 | 9.87 | |
| RANGE(MAX-MIN) | 0.700 | 2.470 | 0.460 | 1.110 | 0.590 | 1.620 | 0.090 | 0.090 | |
| MEAN | 0.952 | 7.284 | 9.384 | 2.778 | 8.787 | 4.058 | 9.902 | 9.901 | |
| STANDARD DEVIATION | 0.202 | 0.749 | 0.165 | 0.327 | 0.193 | 0.448 | 0.050 | 0.050 | |
| N SIZE | 10.000 | | | | | | | | |

Part ID= A5 - SEQUENCE IIIH PISTON

A5 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------------|--------|--------|--------|-------|-------|--------|-------|-------|--|
| Aguirre, Nancy P | -0.31 | 0.27 | 0.82 | -0.02 | 0.59 | 1.70 | -0.24 | -0.02 | |
| Cales, Jonathon | -0.11 | 0.62 | 1.18 | 0.68 | -0.55 | 0.81 | -0.04 | -0.02 | |
| Castillo, George | 2.46 | 0.35 | -0.69 | -1.16 | 1.88 | 0.52 | 1.16 | 1.18 | |
| Dominguez, Lucio | -0.80 | -0.14 | 0.03 | 0.10 | -0.86 | 0.14 | -0.04 | -0.42 | |
| Greenland, Paul | -1.00 | 0.81 | 0.88 | 0.50 | -1.17 | -0.22 | -0.04 | -0.02 | |
| Lopez, Frank | 0.04 | 0.72 | 0.88 | -1.68 | 0.90 | -1.91 | -0.04 | -0.02 | |
| Potocar, William P | 0.04 | -0.15 | -0.45 | 1.72 | -0.91 | -0.15 | -0.04 | -0.02 | |
| Rodriguez, Jesus (Jesse) | -0.41 | -2.49 | -1.60 | -0.36 | 0.22 | -0.31 | -0.64 | -0.62 | |
| Trevino, Robert | 0.09 | 0.01 | -1.06 | 0.22 | -0.09 | -0.58 | -0.04 | -0.02 | |
| Zalewski, John | 0.68 | -0.17 | -0.09 | 0.74 | -1.85 | 0.56 | -2.04 | -2.02 | |
| MAXIMUM | 2.46 | -2.49 | -1.60 | 1.72 | 1.88 | -1.91 | 1.16 | 1.18 | |
| MINIMUM | 0.04 | 0.01 | 0.03 | -0.02 | -0.09 | 0.14 | -0.04 | -0.02 | |
| RANGE(MAX-MIN) | 2.425 | -2.498 | -1.636 | 1.744 | 1.966 | -2.054 | 1.200 | 1.200 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.477 | 0.494 | |
| N SIZE | 10.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A6 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 1.43 | 4.03 | 9.39 | 1.00 | 7.84 | 4.60 | 9.74 | 9.89 | |
| Cales, Jonathon | 1.90 | 4.97 | 9.72 | 0.99 | 7.39 | 4.02 | 9.65 | 9.90 | |
| Castillo, George | 1.74 | 3.43 | 9.71 | 1.13 | 7.18 | 3.90 | 9.36 | 9.89 | |
| Dominguez, Lucio | 1.81 | 2.83 | 9.07 | 1.98 | 6.72 | 2.99 | 9.42 | 9.89 | |
| Greenland, Paul | 1.38 | 3.42 | 9.40 | 1.16 | 7.10 | 3.15 | 9.33 | 9.90 | |
| Kobrinetz, Joaquin J. | 1.68 | 3.20 | 9.27 | 1.55 | 8.04 | 2.89 | 9.56 | 9.94 | |
| Lopez, Frank | 1.68 | 3.78 | 9.22 | 1.22 | 8.52 | 3.31 | 9.53 | 9.90 | |
| Potocar, William P | 1.19 | 3.27 | 9.15 | 1.11 | 7.19 | 3.65 | 9.37 | 9.90 | |
| Rodriguez, Jesus (Jesse) | 1.88 | 2.60 | 9.34 | 1.54 | 6.96 | 3.14 | 9.62 | 9.89 | |
| Zalewski, John | 1.18 | 4.04 | 9.40 | 1.90 | 7.44 | 4.26 | 9.54 | 9.80 | |
| MAXIMUM | 1.90 | 4.97 | 9.72 | 1.98 | 8.52 | 4.60 | 9.74 | 9.94 | |
| MINIMUM | 1.19 | 2.60 | 9.07 | 0.99 | 6.72 | 2.89 | 9.33 | 9.89 | |
| RANGE(MAX-MIN) | 0.710 | 2.370 | 0.650 | 0.990 | 1.800 | 1.710 | 0.410 | 0.050 | |
| MEAN | 1.632 | 3.503 | 9.363 | 1.298 | 7.438 | 3.517 | 9.509 | 9.900 | |
| STANDARD DEVIATION | 0.245 | 0.701 | 0.227 | 0.328 | 0.579 | 0.568 | 0.146 | 0.050 | |
| N SIZE | 10.000 | | | | | | | | |

Part ID= A6 - GMOD PISTON

A6 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | -0.82 | 0.75 | 0.12 | -0.91 | 0.69 | 1.91 | 1.59 | -0.20 | |
| Cales, Jonathon | 1.09 | 2.09 | 1.57 | -0.94 | -0.08 | 0.89 | 0.97 | 0.00 | |
| Castillo, George | 0.44 | -0.10 | 1.53 | -0.51 | -0.45 | 0.67 | -1.02 | -0.20 | |
| Dominguez, Lucio | 0.73 | -0.96 | -1.29 | 2.08 | -1.24 | -0.93 | -0.61 | -0.20 | |
| Greenland, Paul | -1.03 | -0.12 | 0.16 | -0.42 | -0.58 | -0.65 | -1.23 | 0.00 | |
| Kobrinetz, Joaquin J. | 0.19 | -0.43 | -0.41 | 0.77 | 1.04 | -1.10 | 0.35 | 0.80 | |
| Lopez, Frank | 0.19 | 0.39 | -0.63 | -0.24 | 1.87 | -0.36 | 0.14 | 0.00 | |
| Potocar, William P | -1.80 | -0.33 | -0.94 | -0.57 | -0.43 | 0.23 | -0.95 | 0.00 | |
| Rodriguez, Jesus (Jesse) | 1.01 | -1.29 | -0.10 | 0.74 | -0.83 | -0.66 | 0.76 | -0.20 | |
| Zalewski, John | -1.84 | 0.77 | 0.16 | 1.84 | 0.00 | 1.31 | 0.21 | -2.00 | |
| MAXIMUM | -1.80 | 2.09 | 1.57 | 2.08 | 1.87 | 1.91 | 1.59 | 0.80 | |
| MINIMUM | 0.19 | -0.10 | -0.10 | -0.24 | -0.08 | 0.23 | 0.14 | 0.00 | |
| RANGE(MAX-MIN) | -1.999 | 2.196 | 1.677 | 2.319 | 1.951 | 1.673 | 1.440 | 0.800 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.316 | |
| N SIZE | 10.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A7 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Aguirre, Nancy P | 1.65 | 2.42 | 9.51 | 0.94 | 8.03 | 5.46 | 9.71 | 9.90 | |
| Cales, Jonathon | 1.53 | 2.29 | 9.50 | 1.19 | 7.60 | 5.53 | 9.68 | 9.90 | |
| Castillo, George | 1.59 | 2.40 | 9.74 | 0.85 | 7.93 | 5.13 | 9.65 | 9.93 | |
| Dominguez, Lucio | 1.88 | 1.88 | 9.47 | 1.24 | 7.27 | 4.72 | 9.51 | 9.82 | |
| Greenland, Paul | 1.39 | 2.57 | 9.53 | 0.94 | 7.90 | 5.50 | 9.62 | 9.90 | |
| Lopez, Frank | 1.57 | 2.20 | 9.36 | 1.08 | 8.28 | 4.22 | 9.54 | 9.90 | |
| Potocar, William P | 1.63 | 1.95 | 8.91 | 0.89 | 7.40 | 5.49 | 9.41 | 9.90 | |
| Rodriguez, Jesus (Jesse) | 1.25 | 2.01 | 9.60 | 1.44 | 7.44 | 4.81 | 9.71 | 9.87 | |
| Veiga, Victor | 2.46 | 2.90 | 9.70 | 1.45 | 7.93 | 5.17 | 9.79 | 9.90 | |
| Zalewski, John | 1.25 | 2.51 | 9.27 | 1.29 | 7.93 | 4.95 | 9.39 | 9.80 | |
| MAXIMUM | 1.88 | 2.57 | 9.74 | 1.44 | 8.28 | 5.53 | 9.71 | 9.93 | |
| MINIMUM | 1.25 | 1.88 | 8.91 | 0.85 | 7.27 | 4.22 | 9.41 | 9.82 | |
| RANGE(MAX-MIN) | 0.630 | 0.690 | 0.830 | 0.590 | 1.010 | 1.310 | 0.300 | 0.110 | |
| MEAN | 1.561 | 2.215 | 9.453 | 1.071 | 7.731 | 5.108 | 9.604 | 9.890 | |
| STANDARD DEVIATION | 0.186 | 0.249 | 0.245 | 0.205 | 0.355 | 0.483 | 0.108 | 0.050 | |
| N SIZE | 10.000 | | | | | | | | |

Part ID= A7 - GMOD PISTON

A7 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------------|--------|-------|--------|-------|-------|--------|--------|--------|--|
| Aguirre, Nancy P | 0.48 | 0.82 | 0.24 | -0.64 | 0.84 | 0.73 | 0.99 | 0.20 | |
| Cales, Jonathon | -0.17 | 0.30 | 0.19 | 0.58 | -0.37 | 0.88 | 0.71 | 0.20 | |
| Castillo, George | 0.15 | 0.74 | 1.17 | -1.08 | 0.56 | 0.05 | 0.43 | 0.80 | |
| Dominguez, Lucio | 1.71 | -1.35 | 0.07 | 0.82 | -1.30 | -0.80 | -0.87 | -1.40 | |
| Greenland, Paul | -0.92 | 1.43 | 0.32 | -0.64 | 0.48 | 0.81 | 0.15 | 0.20 | |
| Lopez, Frank | 0.05 | -0.06 | -0.38 | 0.04 | 1.55 | -1.84 | -0.59 | 0.20 | |
| Potocar, William P | 0.37 | -1.07 | -2.22 | -0.88 | -0.93 | 0.79 | -1.80 | 0.20 | |
| Rodriguez, Jesus (Jesse) | -1.67 | -0.82 | 0.60 | 1.80 | -0.82 | -0.62 | 0.99 | -0.40 | |
| Veiga, Victor | 4.83 | 2.76 | 1.01 | 1.85 | 0.56 | 0.13 | 1.73 | 0.20 | |
| Zalewski, John | -1.67 | 1.19 | -0.75 | 1.07 | 0.56 | -0.33 | -1.98 | -1.80 | |
| MAXIMUM | 1.71 | 1.43 | -2.22 | 1.80 | 1.55 | -1.84 | -1.80 | -1.40 | |
| MINIMUM | 0.05 | -0.06 | 0.07 | 0.04 | -0.37 | 0.05 | 0.15 | 0.20 | |
| RANGE(MAX-MIN) | 1.666 | 1.488 | -2.289 | 1.754 | 1.915 | -1.886 | -1.950 | -1.600 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.650 | |
| N SIZE | 10.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A8 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cales, Jonathon | 1.04 | 1.27 | 3.70 | 6.20 | 8.46 | 7.12 | 5.45 | 5.90 |
| Castillo, George | 0.96 | 1.30 | 3.23 | 5.51 | 8.22 | 7.49 | 5.15 | 5.83 |
| Dominguez, Lucio | 1.13 | 1.10 | 2.79 | 5.09 | 7.46 | 7.12 | 5.25 | 5.35 |
| Rodriguez, Jesus (Jesse) | 0.94 | 1.17 | 2.68 | 5.32 | 7.44 | 7.27 | 5.37 | 5.50 |
| Zalewski, John | 0.93 | 1.43 | 3.40 | 5.63 | 7.52 | 7.82 | 5.25 | 5.93 |
| MAXIMUM | 1.13 | 1.30 | 3.70 | 6.20 | 8.46 | 7.49 | 5.45 | 5.90 |
| MINIMUM | 0.94 | 1.10 | 2.68 | 5.09 | 7.44 | 7.12 | 5.15 | 5.35 |
| RANGE(MAX-MIN) | 0.190 | 0.200 | 1.020 | 1.110 | 1.020 | 0.370 | 0.300 | 0.550 |
| MEAN | 1.018 | 1.210 | 3.100 | 5.530 | 7.895 | 7.250 | 5.305 | 5.645 |
| STANDARD DEVIATION | 0.087 | 0.092 | 0.465 | 0.479 | 0.523 | 0.175 | 0.132 | 0.263 |
| N SIZE | 5.000 | | | | | | | |

Part ID= A8 - FIELD PISTON

A8 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|-------|--------|-------|-------|-------|-------|--------|--------|
| Cales, Jonathon | 0.26 | 0.65 | 1.29 | 1.40 | 1.08 | -0.74 | 1.10 | 0.97 |
| Castillo, George | -0.66 | 0.98 | 0.28 | -0.04 | 0.62 | 1.37 | -1.17 | 0.70 |
| Dominguez, Lucio | 1.30 | -1.20 | -0.67 | -0.92 | -0.83 | -0.74 | -0.42 | -1.12 |
| Rodriguez, Jesus (Jesse) | -0.90 | -0.43 | -0.90 | -0.44 | -0.87 | 0.11 | 0.49 | -0.55 |
| Zalewski, John | -1.01 | 2.39 | 0.64 | 0.21 | -0.72 | 3.26 | -0.42 | 1.08 |
| MAXIMUM | 1.30 | -1.20 | 1.29 | 1.40 | 1.08 | 1.37 | -1.17 | -1.12 |
| MINIMUM | 0.26 | -0.43 | 0.28 | -0.04 | 0.62 | 0.11 | -0.42 | -0.55 |
| RANGE(MAX-MIN) | 1.040 | -0.761 | 1.010 | 1.442 | 0.459 | 1.258 | -0.757 | -0.571 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 5.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= A9 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Castillo, George | 0.75 | 0.75 | 3.16 | 4.27 | 7.27 | 7.65 | 5.97 | 6.29 |
| Dominguez, Lucio | 0.83 | 0.92 | 2.66 | 4.53 | 6.50 | 6.59 | 5.90 | 5.77 |
| Rodriguez, Jesus (Jesse) | 0.75 | 0.84 | 2.85 | 4.25 | 6.90 | 6.77 | 6.12 | 5.62 |
| Zalewski, John | 0.84 | 0.93 | 3.52 | 4.80 | 7.40 | 6.86 | 5.38 | 6.26 |
| MAXIMUM | 0.83 | 0.92 | 3.16 | 4.53 | 7.27 | 7.65 | 6.12 | 6.29 |
| MINIMUM | 0.75 | 0.75 | 2.66 | 4.25 | 6.50 | 6.59 | 5.90 | 5.62 |
| RANGE(MAX-MIN) | 0.080 | 0.170 | 0.500 | 0.280 | 0.770 | 1.060 | 0.220 | 0.670 |
| MEAN | 0.777 | 0.837 | 2.890 | 4.350 | 6.890 | 7.003 | 5.997 | 5.893 |
| STANDARD DEVIATION | 0.050 | 0.085 | 0.252 | 0.156 | 0.385 | 0.567 | 0.112 | 0.352 |
| N SIZE | 4.000 | | | | | | | |

Part ID= A9 - FIELD PISTON

A9 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------------|-------|--------|-------|-------|--------|-------|-------|-------|
| Castillo, George | -0.53 | -1.02 | 1.07 | -0.51 | 0.99 | 1.14 | -0.24 | 1.13 |
| Dominguez, Lucio | 1.07 | 0.98 | -0.91 | 1.15 | -1.01 | -0.73 | -0.86 | -0.35 |
| Rodriguez, Jesus (Jesse) | -0.53 | 0.04 | -0.16 | -0.64 | 0.03 | -0.41 | 1.10 | -0.78 |
| Zalewski, John | 1.27 | 1.10 | 2.50 | 2.88 | 1.32 | -0.25 | -5.49 | 1.04 |
| MAXIMUM | 1.07 | -1.02 | 1.07 | 1.15 | -1.01 | 1.14 | 1.10 | 1.13 |
| MINIMUM | -0.53 | 0.04 | -0.16 | -0.51 | 0.03 | -0.41 | -0.24 | -0.35 |
| RANGE(MAX-MIN) | 1.600 | -1.058 | 1.228 | 1.664 | -1.039 | 1.552 | 1.335 | 1.479 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 0.924 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 4.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B1 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | 0.92 | 0.93 | 7.88 | 0.84 | 2.55 | 1.00 | 8.78 | 9.89 | |
| Campbell, Bryan | 1.30 | 1.20 | 8.40 | 0.77 | 3.31 | 1.20 | 9.30 | 9.67 | |
| Foecking, Brian | 0.88 | 0.76 | 8.10 | 0.83 | 2.39 | 1.00 | 9.16 | 9.90 | |
| Hurst, Kevin R. | 0.91 | 0.78 | 7.67 | 0.81 | 2.82 | 1.00 | 9.00 | 9.90 | |
| Langford, Mike | 1.23 | 0.98 | 8.09 | 0.94 | 3.24 | 1.25 | 9.36 | 9.98 | |
| Lowsky, John | 2.07 | 1.32 | 8.22 | 1.10 | 2.99 | 1.00 | 8.99 | 9.90 | |
| Price, Gregory | 1.44 | 1.25 | 7.87 | 1.00 | 3.82 | 1.09 | 8.84 | 9.85 | |
| Sanchez, Arthur | 1.26 | 0.90 | 8.42 | 0.81 | 3.03 | 1.00 | 8.88 | 9.89 | |
| Veiga, Victor | 0.77 | 0.97 | 8.55 | 0.94 | 2.98 | 1.00 | 9.25 | 9.80 | |
| MAXIMUM | 2.07 | 1.32 | 8.42 | 1.10 | 3.82 | 1.25 | 9.36 | 9.98 | |
| MINIMUM | 0.88 | 0.76 | 7.67 | 0.81 | 2.39 | 1.00 | 8.78 | 9.85 | |
| RANGE(MAX-MIN) | 1.190 | 0.560 | 0.750 | 0.290 | 1.430 | 0.250 | 0.580 | 0.130 | |
| MEAN | 1.244 | 0.989 | 8.036 | 0.904 | 2.977 | 1.049 | 9.001 | 9.901 | |
| STANDARD DEVIATION | 0.422 | 0.218 | 0.250 | 0.113 | 0.472 | 0.095 | 0.202 | 0.050 | |
| N SIZE | 9.000 | | | | | | | | |

Part ID= B1 - SEQUENCE IIIG PISTON

B1 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | -0.77 | -0.27 | -0.62 | -0.57 | -0.91 | -0.51 | -1.10 | -0.23 | |
| Campbell, Bryan | 0.13 | 0.97 | 1.46 | -1.19 | 0.71 | 1.59 | 1.48 | -4.63 | |
| Foecking, Brian | -0.86 | -1.05 | 0.26 | -0.66 | -1.25 | -0.51 | 0.79 | -0.03 | |
| Hurst, Kevin R. | -0.79 | -0.96 | -1.46 | -0.84 | -0.33 | -0.51 | -0.01 | -0.03 | |
| Langford, Mike | -0.03 | -0.04 | 0.22 | 0.32 | 0.56 | 2.12 | 1.78 | 1.57 | |
| Lowsky, John | 1.96 | 1.52 | 0.74 | 1.74 | 0.03 | -0.51 | -0.06 | -0.03 | |
| Price, Gregory | 0.46 | 1.20 | -0.66 | 0.85 | 1.79 | 0.44 | -0.80 | -1.03 | |
| Sanchez, Arthur | 0.04 | -0.41 | 1.54 | -0.84 | 0.11 | -0.51 | -0.60 | -0.23 | |
| Veiga, Victor | -1.12 | -0.09 | 2.06 | 0.32 | 0.01 | -0.51 | 1.23 | -2.03 | |
| MAXIMUM | 1.96 | 1.52 | 1.54 | 1.74 | 1.79 | 2.12 | 1.78 | 1.57 | |
| MINIMUM | -0.03 | -0.04 | 0.22 | 0.32 | 0.03 | 0.44 | -0.01 | -0.03 | |
| RANGE(MAX-MIN) | 1.989 | 1.559 | 1.321 | 1.420 | 1.760 | 1.685 | 1.786 | 1.600 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.778 | |
| N SIZE | 9.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B2 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | 3.32 | 1.05 | 9.15 | 0.80 | 3.22 | 5.49 | 9.25 | 9.68 | |
| Campbell, Bryan | 2.35 | 0.41 | 9.62 | 0.40 | 3.61 | 5.78 | 9.71 | 9.77 | |
| Foecking, Brian | 3.64 | 1.17 | 9.81 | 0.88 | 3.41 | 5.77 | 9.14 | 9.60 | |
| Hurst, Kevin R. | 3.00 | 1.11 | 9.32 | 0.97 | 3.11 | 5.73 | 9.66 | 9.69 | |
| Langford, Mike | 2.42 | 0.88 | 9.44 | 1.03 | 3.88 | 5.83 | 9.78 | 9.67 | |
| Lowsky, John | 4.52 | 1.41 | 9.55 | 1.01 | 4.31 | 6.08 | 9.64 | 9.77 | |
| Price, Gregory | 2.36 | 1.16 | 9.20 | 0.97 | 4.16 | 5.76 | 9.34 | 9.65 | |
| Sanchez, Arthur | 4.21 | 1.17 | 9.43 | 0.86 | 3.87 | 4.99 | 9.59 | 9.81 | |
| Veiga, Victor | 3.59 | 1.11 | 9.82 | 0.91 | 4.08 | 5.81 | 9.66 | 9.86 | |
| MAXIMUM | 4.52 | 1.41 | 9.81 | 1.03 | 4.31 | 6.08 | 9.78 | 9.81 | |
| MINIMUM | 2.36 | 0.88 | 9.15 | 0.80 | 3.11 | 4.99 | 9.14 | 9.60 | |
| RANGE(MAX-MIN) | 2.160 | 0.530 | 0.660 | 0.230 | 1.200 | 1.090 | 0.640 | 0.210 | |
| MEAN | 3.353 | 1.136 | 9.414 | 0.931 | 3.709 | 5.664 | 9.486 | 9.696 | |
| STANDARD DEVIATION | 0.833 | 0.159 | 0.224 | 0.086 | 0.467 | 0.344 | 0.241 | 0.072 | |
| N SIZE | 9.000 | | | | | | | | |

Part ID= B2 - SEQUENCE IIIG PISTON

B2 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------|-------|-------|-------|--------|-------|--------|--------|-------|--|
| Barrera, Tony | -0.04 | -0.54 | -1.18 | -1.54 | -1.05 | -0.51 | -0.98 | -0.22 | |
| Campbell, Bryan | -1.20 | -4.57 | 0.92 | -6.21 | -0.21 | 0.34 | 0.93 | 1.04 | |
| Foecking, Brian | 0.34 | 0.22 | 1.77 | -0.60 | -0.64 | 0.31 | -1.44 | -1.34 | |
| Hurst, Kevin R. | -0.42 | -0.16 | -0.42 | 0.45 | -1.28 | 0.19 | 0.72 | -0.08 | |
| Langford, Mike | -1.12 | -1.61 | 0.11 | 1.15 | 0.37 | 0.48 | 1.22 | -0.36 | |
| Lowsky, John | 1.40 | 1.73 | 0.61 | 0.92 | 1.29 | 1.21 | 0.64 | 1.04 | |
| Price, Gregory | -1.19 | 0.15 | -0.96 | 0.45 | 0.97 | 0.28 | -0.61 | -0.64 | |
| Sanchez, Arthur | 1.03 | 0.22 | 0.07 | -0.84 | 0.35 | -1.96 | 0.43 | 1.60 | |
| Veiga, Victor | 0.28 | -0.16 | 1.81 | -0.25 | 0.80 | 0.42 | 0.72 | 2.29 | |
| MAXIMUM | 1.40 | 1.73 | 1.77 | -1.54 | 1.29 | -1.96 | -1.44 | 1.60 | |
| MINIMUM | -0.04 | 0.15 | 0.07 | 0.45 | 0.35 | 0.19 | 0.43 | -0.08 | |
| RANGE(MAX-MIN) | 1.441 | 1.573 | 1.698 | -1.988 | 0.943 | -2.151 | -1.869 | 1.676 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 9.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B3 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Barrera, Tony | 1.13 | 0.75 | 9.69 | 1.18 | 1.90 | 1.38 | 9.26 | 9.93 |
| Campbell, Bryan | 1.71 | 0.08 | 9.56 | 0.89 | 1.73 | 1.89 | 9.52 | 9.80 |
| Foecking, Brian | 1.19 | 0.75 | 9.86 | 1.40 | 1.70 | 1.76 | 9.05 | 9.90 |
| Hurst, Kevin R. | 0.99 | 0.75 | 9.76 | 1.52 | 1.60 | 1.70 | 9.62 | 9.90 |
| Langford, Mike | 1.11 | 0.74 | 9.85 | 1.68 | 2.29 | 2.58 | 9.19 | 9.90 |
| Lowsky, John | 1.98 | 0.75 | 9.71 | 1.80 | 2.66 | 1.85 | 9.08 | 9.90 |
| Price, Gregory | 1.30 | 0.74 | 9.76 | 1.34 | 1.99 | 1.50 | 9.28 | 9.80 |
| Sanchez, Arthur | 1.23 | 0.74 | 9.69 | 1.07 | 1.70 | 1.15 | 9.27 | 9.89 |
| Veiga, Victor | 1.11 | 0.75 | 9.88 | 1.70 | 2.12 | 1.55 | 9.26 | 9.80 |
| MAXIMUM | 1.98 | 0.75 | 9.86 | 1.80 | 2.66 | 2.58 | 9.62 | 9.93 |
| MINIMUM | 0.99 | 0.74 | 9.69 | 1.07 | 1.60 | 1.15 | 9.05 | 9.80 |
| RANGE(MAX-MIN) | 0.990 | 0.010 | 0.170 | 0.730 | 1.060 | 1.430 | 0.570 | 0.130 |
| MEAN | 1.276 | 0.746 | 9.760 | 1.427 | 1.977 | 1.703 | 9.250 | 9.889 |
| STANDARD DEVIATION | 0.326 | 0.050 | 0.071 | 0.261 | 0.380 | 0.456 | 0.187 | 0.050 |
| N SIZE | 9.000 | | | | | | | |

Part ID= B3 - SEQUENCE IIIG PISTON

B3 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|--------|-------|-------|-------|-------|-------|--------|
| Barrera, Tony | -0.45 | 0.09 | -0.98 | -0.95 | -0.20 | -0.71 | 0.05 | 0.83 |
| Campbell, Bryan | 1.33 | -13.31 | -2.81 | -2.06 | -0.65 | 0.41 | 1.44 | -1.77 |
| Foecking, Brian | -0.26 | 0.09 | 1.40 | -0.10 | -0.73 | 0.13 | -1.07 | 0.23 |
| Hurst, Kevin R. | -0.88 | 0.09 | 0.00 | 0.36 | -0.99 | -0.01 | 1.97 | 0.23 |
| Langford, Mike | -0.51 | -0.11 | 1.26 | 0.97 | 0.82 | 1.93 | -0.32 | 0.23 |
| Lowsky, John | 2.16 | 0.09 | -0.70 | 1.43 | 1.80 | 0.32 | -0.91 | 0.23 |
| Price, Gregory | 0.07 | -0.11 | 0.00 | -0.33 | 0.03 | -0.45 | 0.16 | -1.77 |
| Sanchez, Arthur | -0.14 | -0.11 | -0.98 | -1.37 | -0.73 | -1.21 | 0.11 | 0.03 |
| Veiga, Victor | -0.51 | 0.09 | 1.69 | 1.05 | 0.38 | -0.34 | 0.05 | -1.77 |
| MAXIMUM | 2.16 | -0.11 | 1.40 | 1.43 | 1.80 | 1.93 | 1.97 | -1.77 |
| MINIMUM | 0.07 | 0.09 | 0.00 | -0.10 | 0.03 | -0.01 | 0.05 | 0.03 |
| RANGE(MAX-MIN) | 2.088 | -0.200 | 1.405 | 1.533 | 1.764 | 1.932 | 1.921 | -1.800 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 0.107 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.820 |
| N SIZE | 9.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B4 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | 0.75 | 0.75 | 8.54 | 0.85 | 3.54 | 3.91 | 9.25 | 9.42 | |
| Campbell, Bryan | 0.03 | 0.27 | 8.73 | 0.57 | 2.97 | 3.65 | 9.74 | 9.77 | |
| Foecking, Brian | 0.75 | 0.72 | 8.54 | 0.88 | 3.85 | 3.44 | 9.41 | 9.58 | |
| Hurst, Kevin R. | 0.74 | 0.74 | 8.34 | 1.05 | 3.70 | 3.79 | 9.28 | 9.40 | |
| Langford, Mike | 0.73 | 0.71 | 8.50 | 0.92 | 3.36 | 4.47 | 9.22 | 9.15 | |
| Lowsky, John | 0.68 | 0.75 | 8.93 | 0.94 | 4.69 | 4.39 | 9.19 | 9.60 | |
| Price, Gregory | 0.72 | 0.68 | 8.41 | 1.05 | 3.87 | 3.60 | 9.39 | 9.50 | |
| Sanchez, Arthur | 0.74 | 0.74 | 9.03 | 1.00 | 3.94 | 2.68 | 9.43 | 9.53 | |
| Veiga, Victor | 0.74 | 0.74 | 9.15 | 1.05 | 3.75 | 4.90 | 9.47 | 9.51 | |
| MAXIMUM | 0.75 | 0.75 | 9.03 | 1.05 | 4.69 | 4.47 | 9.43 | 9.60 | |
| MINIMUM | 0.68 | 0.68 | 8.34 | 0.85 | 3.36 | 2.68 | 9.19 | 9.15 | |
| RANGE(MAX-MIN) | 0.070 | 0.070 | 0.690 | 0.200 | 1.330 | 1.790 | 0.240 | 0.450 | |
| MEAN | 0.730 | 0.727 | 8.613 | 0.956 | 3.850 | 3.754 | 9.310 | 9.454 | |
| STANDARD DEVIATION | 0.050 | 0.050 | 0.263 | 0.080 | 0.423 | 0.608 | 0.098 | 0.154 | |
| N SIZE | 9.000 | | | | | | | | |

Part ID= B4 - SEQUENCE IIIH PISTON

B4 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|--------|-------|--------|-------|--------|--------|--------|--|
| Barrera, Tony | 0.40 | 0.46 | -0.28 | -1.33 | -0.73 | 0.26 | -0.61 | -0.22 | |
| Campbell, Bryan | -14.00 | -9.14 | 0.45 | -4.84 | -2.08 | -0.17 | 4.38 | 2.06 | |
| Foecking, Brian | 0.40 | -0.14 | -0.28 | -0.95 | 0.00 | -0.52 | 1.02 | 0.82 | |
| Hurst, Kevin R. | 0.20 | 0.26 | -1.04 | 1.18 | -0.35 | 0.06 | -0.31 | -0.35 | |
| Langford, Mike | 0.00 | -0.34 | -0.43 | -0.45 | -1.16 | 1.18 | -0.92 | -1.98 | |
| Lowsky, John | -1.00 | 0.46 | 1.21 | -0.20 | 1.99 | 1.05 | -1.22 | 0.95 | |
| Price, Gregory | -0.20 | -0.94 | -0.77 | 1.18 | 0.05 | -0.25 | 0.82 | 0.30 | |
| Sanchez, Arthur | 0.20 | 0.26 | 1.59 | 0.56 | 0.21 | -1.77 | 1.22 | 0.49 | |
| Veiga, Victor | 0.20 | 0.26 | 2.05 | 1.18 | -0.24 | 1.88 | 1.63 | 0.36 | |
| MAXIMUM | -1.00 | -0.94 | 1.59 | -1.33 | 1.99 | -1.77 | -1.22 | -1.98 | |
| MINIMUM | 0.00 | -0.14 | -0.28 | -0.20 | 0.00 | 0.06 | -0.31 | -0.22 | |
| RANGE(MAX-MIN) | -1.000 | -0.800 | 1.866 | -1.128 | 1.987 | -1.825 | -0.917 | -1.758 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 0.490 | 0.513 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 9.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B5 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | 0.75 | 6.74 | 9.42 | 4.21 | 8.75 | 3.63 | 9.90 | 9.93 | |
| Campbell, Bryan | 0.08 | 7.18 | 9.74 | 5.70 | 9.09 | 4.82 | 9.81 | 9.87 | |
| Foecking, Brian | 0.75 | 6.31 | 9.79 | 4.82 | 8.49 | 3.84 | 9.90 | 9.90 | |
| Hurst, Kevin R. | 0.75 | 7.36 | 9.80 | 4.00 | 9.07 | 4.53 | 9.90 | 9.90 | |
| Langford, Mike | 0.74 | 6.59 | 9.58 | 5.59 | 8.61 | 4.58 | 9.98 | 9.98 | |
| Lowsky, John | 0.65 | 8.38 | 9.49 | 5.87 | 9.09 | 4.18 | 9.90 | 9.90 | |
| Price, Gregory | 0.75 | 6.45 | 9.71 | 4.48 | 9.04 | 3.97 | 9.83 | 9.84 | |
| Sanchez, Arthur | 0.75 | 8.21 | 9.62 | 4.95 | 9.20 | 4.27 | 9.77 | 9.79 | |
| Veiga, Victor | 0.75 | 7.73 | 9.86 | 3.64 | 8.45 | 4.47 | 9.90 | 9.90 | |
| MAXIMUM | 0.75 | 8.38 | 9.80 | 5.87 | 9.20 | 4.58 | 9.98 | 9.98 | |
| MINIMUM | 0.65 | 6.31 | 9.42 | 4.00 | 8.49 | 3.63 | 9.77 | 9.79 | |
| RANGE(MAX-MIN) | 0.100 | 2.070 | 0.380 | 1.870 | 0.710 | 0.950 | 0.210 | 0.190 | |
| MEAN | 0.734 | 7.149 | 9.630 | 4.846 | 8.893 | 4.143 | 9.883 | 9.891 | |
| STANDARD DEVIATION | 0.050 | 0.852 | 0.146 | 0.691 | 0.274 | 0.352 | 0.066 | 0.061 | |
| N SIZE | 9.000 | | | | | | | | |

Part ID= B5 - SEQUENCE IIIH PISTON

B5 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|-------|--------|-------|--------|--------|--------|--------|--|
| Barrera, Tony | 0.31 | -0.48 | -1.44 | -0.92 | -0.52 | -1.46 | 0.26 | 0.63 | |
| Campbell, Bryan | -13.09 | 0.04 | 0.76 | 1.24 | 0.72 | 1.92 | -1.10 | -0.35 | |
| Foecking, Brian | 0.31 | -0.98 | 1.10 | -0.04 | -1.47 | -0.86 | 0.26 | 0.14 | |
| Hurst, Kevin R. | 0.31 | 0.25 | 1.17 | -1.22 | 0.65 | 1.10 | 0.26 | 0.14 | |
| Langford, Mike | 0.11 | -0.66 | -0.34 | 1.08 | -1.03 | 1.24 | 1.47 | 1.45 | |
| Lowsky, John | -1.69 | 1.44 | -0.96 | 1.48 | 0.72 | 0.11 | 0.26 | 0.14 | |
| Price, Gregory | 0.31 | -0.82 | 0.55 | -0.53 | 0.54 | -0.49 | -0.80 | -0.84 | |
| Sanchez, Arthur | 0.31 | 1.25 | -0.07 | 0.15 | 1.12 | 0.36 | -1.71 | -1.66 | |
| Veiga, Victor | 0.31 | 0.68 | 1.58 | -1.74 | -1.62 | 0.93 | 0.26 | 0.14 | |
| MAXIMUM | -1.69 | 1.44 | -1.44 | 1.48 | -1.47 | -1.46 | -1.71 | -1.66 | |
| MINIMUM | 0.11 | 0.25 | -0.07 | -0.04 | -0.52 | 0.11 | 0.26 | 0.14 | |
| RANGE(MAX-MIN) | -1.800 | 1.197 | -1.374 | 1.519 | -0.951 | -1.563 | -1.969 | -1.797 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 0.747 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 9.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B6 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Barrera, Tony | 1.69 | 2.22 | 9.35 | 1.10 | 6.05 | 4.31 | 9.47 | 9.90 | |
| Campbell, Bryan | 2.24 | 2.92 | 9.39 | 1.37 | 6.34 | 4.00 | 9.40 | 9.48 | |
| Foecking, Brian | 1.58 | 2.63 | 9.84 | 1.72 | 6.00 | 3.51 | 9.15 | 9.90 | |
| Hurst, Kevin R. | 1.62 | 1.94 | 9.68 | 1.19 | 5.31 | 3.65 | 9.68 | 9.90 | |
| Langford, Mike | 1.18 | 3.25 | 9.48 | 1.07 | 5.40 | 6.10 | 9.72 | 9.97 | |
| Lowsky, John | 3.12 | 3.39 | 9.74 | 1.45 | 6.48 | 5.12 | 9.70 | 9.90 | |
| Price, Gregory | 1.98 | 2.95 | 9.64 | 1.29 | 6.17 | 3.26 | 9.46 | 9.85 | |
| Sanchez, Arthur | 1.92 | 2.16 | 9.53 | 1.12 | 6.14 | 3.42 | 9.63 | 9.88 | |
| Veiga, Victor | 1.47 | 2.73 | 9.83 | 1.19 | 6.12 | 4.43 | 9.60 | 9.90 | |
| MAXIMUM | 3.12 | 3.39 | 9.84 | 1.72 | 6.48 | 6.10 | 9.72 | 9.97 | |
| MINIMUM | 1.18 | 1.94 | 9.35 | 1.07 | 5.31 | 3.26 | 9.15 | 9.85 | |
| RANGE(MAX-MIN) | 1.940 | 1.450 | 0.490 | 0.650 | 1.170 | 2.840 | 0.570 | 0.120 | |
| MEAN | 1.870 | 2.649 | 9.609 | 1.277 | 5.936 | 4.196 | 9.544 | 9.900 | |
| STANDARD DEVIATION | 0.610 | 0.567 | 0.167 | 0.235 | 0.426 | 1.060 | 0.204 | 0.050 | |
| N SIZE | 9.000 | | | | | | | | |

Part ID= B6 - GMOD PISTON

B6 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT | |
|--------------------|-------|-------|--------|-------|--------|-------|--------|-------|--|
| Barrera, Tony | -0.30 | -0.76 | -1.55 | -0.75 | 0.27 | 0.11 | -0.36 | 0.00 | |
| Campbell, Bryan | 0.61 | 0.48 | -1.31 | 0.39 | 0.95 | -0.18 | -0.71 | -8.40 | |
| Foecking, Brian | -0.48 | -0.03 | 1.39 | 1.88 | 0.15 | -0.65 | -1.94 | 0.00 | |
| Hurst, Kevin R. | -0.41 | -1.25 | 0.43 | -0.37 | -1.47 | -0.51 | 0.67 | 0.00 | |
| Langford, Mike | -1.13 | 1.06 | -0.77 | -0.88 | -1.26 | 1.80 | 0.86 | 1.40 | |
| Lowsky, John | 2.05 | 1.31 | 0.79 | 0.73 | 1.28 | 0.87 | 0.76 | 0.00 | |
| Price, Gregory | 0.18 | 0.53 | 0.19 | 0.05 | 0.55 | -0.88 | -0.41 | -1.00 | |
| Sanchez, Arthur | 0.08 | -0.86 | -0.47 | -0.67 | 0.48 | -0.73 | 0.42 | -0.40 | |
| Veiga, Victor | -0.66 | 0.14 | 1.33 | -0.37 | 0.43 | 0.22 | 0.27 | 0.00 | |
| MAXIMUM | 2.05 | 1.31 | -1.55 | 1.88 | -1.47 | 1.80 | -1.94 | 1.40 | |
| MINIMUM | 0.08 | -0.03 | 0.19 | 0.05 | 0.15 | 0.11 | -0.36 | 0.00 | |
| RANGE(MAX-MIN) | 1.967 | 1.341 | -1.741 | 1.826 | -1.620 | 1.689 | -1.571 | 1.400 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.721 | |
| N SIZE | 9.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B7 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Barrera, Tony | 1.21 | 1.09 | 9.35 | 0.89 | 7.54 | 5.00 | 9.84 | 9.91 |
| Campbell, Bryan | 0.67 | 1.09 | 9.10 | 0.32 | 7.96 | 4.35 | 9.81 | 9.88 |
| Foecking, Brian | 2.07 | 1.04 | 9.81 | 0.94 | 7.52 | 4.14 | 9.70 | 9.90 |
| Hurst, Kevin R. | 1.83 | 1.14 | 9.13 | 0.88 | 7.62 | 4.33 | 9.73 | 9.90 |
| Langford, Mike | 1.07 | 1.31 | 9.29 | 0.85 | 7.67 | 6.10 | 9.80 | 9.98 |
| Lowsky, John | 2.24 | 1.70 | 9.63 | 0.84 | 7.97 | 5.33 | 9.87 | 9.90 |
| Sanchez, Arthur | 0.92 | 1.15 | 9.43 | 0.93 | 7.86 | 3.82 | 9.78 | 9.89 |
| Veiga, Victor | 1.16 | 1.46 | 9.71 | 0.94 | 7.69 | 4.47 | 9.83 | 9.90 |
| MAXIMUM | 2.24 | 1.70 | 9.81 | 0.94 | 7.97 | 6.10 | 9.87 | 9.98 |
| MINIMUM | 0.92 | 1.04 | 9.13 | 0.84 | 7.52 | 3.82 | 9.70 | 9.89 |
| RANGE(MAX-MIN) | 1.320 | 0.660 | 0.680 | 0.100 | 0.450 | 2.280 | 0.170 | 0.090 |
| MEAN | 1.557 | 1.238 | 9.440 | 0.888 | 7.697 | 4.787 | 9.787 | 9.913 |
| STANDARD DEVIATION | 0.560 | 0.244 | 0.245 | 0.050 | 0.181 | 0.852 | 0.064 | 0.050 |
| N SIZE | 8.000 | | | | | | | |

Part ID= B7 - GMOD PISTON

B7 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|--------|-------|-------|--------|-------|
| Barrera, Tony | -0.62 | -0.61 | -0.37 | 0.03 | -0.87 | 0.25 | 0.83 | -0.07 |
| Campbell, Bryan | -1.58 | -0.61 | -1.39 | -11.37 | 1.46 | -0.51 | 0.36 | -0.67 |
| Foecking, Brian | 0.92 | -0.81 | 1.51 | 1.03 | -0.98 | -0.76 | -1.35 | -0.27 |
| Hurst, Kevin R. | 0.49 | -0.40 | -1.27 | -0.17 | -0.42 | -0.54 | -0.88 | -0.27 |
| Langford, Mike | -0.87 | 0.29 | -0.61 | -0.77 | -0.15 | 1.54 | 0.21 | 1.33 |
| Lowsky, John | 1.22 | 1.89 | 0.78 | -0.97 | 1.51 | 0.64 | 1.29 | -0.27 |
| Sanchez, Arthur | -1.14 | -0.36 | -0.04 | 0.83 | 0.90 | -1.14 | -0.10 | -0.47 |
| Veiga, Victor | -0.71 | 0.91 | 1.10 | 1.03 | -0.04 | -0.37 | 0.67 | -0.27 |
| MAXIMUM | 1.22 | 1.89 | 1.51 | 1.03 | 1.51 | 1.54 | -1.35 | 1.33 |
| MINIMUM | 0.49 | 0.29 | -0.04 | 0.03 | -0.15 | 0.25 | -0.10 | -0.07 |
| RANGE(MAX-MIN) | 0.732 | 1.600 | 1.552 | 1.000 | 1.658 | 1.292 | -1.242 | 1.400 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 0.814 | 1.000 | 1.000 | 1.000 | 0.665 |
| N SIZE | 8.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B8 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Campbell, Bryan | 1.10 | 4.52 | 3.69 | 6.24 | 8.49 | 6.99 | 6.98 | 6.60 |
| Foecking, Brian | 0.83 | 4.56 | 4.00 | 6.98 | 8.77 | 6.51 | 6.64 | 6.35 |
| Hurst, Kevin R. | 0.83 | 4.70 | 3.82 | 6.95 | 8.60 | 6.79 | 6.13 | 5.26 |
| Langford, Mike | 0.99 | 5.28 | 5.17 | 6.58 | 8.59 | 7.71 | 7.35 | 6.80 |
| Lowsky, John | 1.04 | 5.39 | 4.83 | 6.47 | 8.09 | 8.37 | 7.42 | 6.98 |
| Sanchez, Arthur | 0.86 | 5.00 | 3.23 | 6.66 | 8.37 | 6.57 | 6.52 | 5.65 |
| Veiga, Victor | 0.81 | 4.55 | 4.55 | 7.08 | 8.54 | 7.23 | 7.16 | 6.44 |
| MAXIMUM | 1.04 | 5.39 | 5.17 | 6.98 | 8.77 | 8.37 | 7.42 | 6.98 |
| MINIMUM | 0.83 | 4.56 | 3.23 | 6.47 | 8.09 | 6.51 | 6.13 | 5.26 |
| RANGE(MAX-MIN) | 0.210 | 0.830 | 1.940 | 0.510 | 0.680 | 1.860 | 1.290 | 1.720 |
| MEAN | 0.910 | 4.986 | 4.210 | 6.728 | 8.484 | 7.190 | 6.812 | 6.208 |
| STANDARD DEVIATION | 0.098 | 0.358 | 0.785 | 0.227 | 0.262 | 0.817 | 0.557 | 0.738 |
| N SIZE | 7.000 | | | | | | | |

Part ID= B8 - FIELD PISTON

B8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|--------|--------|--------|--------|-------|--------|--------|
| Campbell, Bryan | 1.93 | -1.30 | -0.66 | -2.15 | 0.02 | -0.24 | 0.30 | 0.53 |
| Foecking, Brian | -0.81 | -1.19 | -0.27 | 1.11 | 1.09 | -0.83 | -0.31 | 0.19 |
| Hurst, Kevin R. | -0.81 | -0.80 | -0.50 | 0.98 | 0.44 | -0.49 | -1.23 | -1.29 |
| Langford, Mike | 0.81 | 0.82 | 1.22 | -0.65 | 0.40 | 0.64 | 0.97 | 0.80 |
| Lowsky, John | 1.32 | 1.13 | 0.79 | -1.14 | -1.50 | 1.44 | 1.09 | 1.05 |
| Sanchez, Arthur | -0.51 | 0.04 | -1.25 | -0.30 | -0.44 | -0.76 | -0.52 | -0.76 |
| Veiga, Victor | -1.02 | -1.22 | 0.43 | 1.55 | 0.21 | 0.05 | 0.63 | 0.31 |
| MAXIMUM | 1.32 | -1.19 | -1.25 | -1.14 | -1.50 | 1.44 | -1.23 | -1.29 |
| MINIMUM | -0.51 | 0.04 | -0.27 | -0.30 | 0.40 | -0.49 | -0.31 | 0.19 |
| RANGE(MAX-MIN) | 1.832 | -1.229 | -0.981 | -0.838 | -1.908 | 1.934 | -0.916 | -1.478 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 7.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= B9 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Campbell, Bryan | 1.18 | 2.98 | 4.30 | 5.97 | 8.83 | 7.43 | 7.01 | 6.95 |
| Foecking, Brian | 0.80 | 1.66 | 4.63 | 6.28 | 7.69 | 6.54 | 6.63 | 5.35 |
| Hurst, Kevin R. | 0.84 | 1.91 | 3.95 | 5.88 | 8.48 | 6.95 | 6.03 | 4.82 |
| Langford, Mike | 0.85 | 2.45 | 4.13 | 6.57 | 8.69 | 8.00 | 7.50 | 6.90 |
| Lowsky, John | 0.75 | 2.35 | 4.67 | 5.92 | 7.92 | 7.83 | 7.03 | 5.60 |
| Price, Gregory | 0.72 | 2.02 | 4.36 | 5.71 | 8.14 | 5.83 | 6.29 | 5.76 |
| Veiga, Victor | 0.92 | 1.75 | 4.13 | 6.45 | 8.80 | 7.48 | 6.41 | 5.83 |
| MAXIMUM | 0.85 | 2.45 | 4.67 | 6.57 | 8.69 | 8.00 | 7.50 | 6.90 |
| MINIMUM | 0.72 | 1.66 | 3.95 | 5.71 | 7.69 | 5.83 | 6.03 | 4.82 |
| RANGE(MAX-MIN) | 0.130 | 0.790 | 0.720 | 0.860 | 1.000 | 2.170 | 1.470 | 2.080 |
| MEAN | 0.792 | 2.078 | 4.348 | 6.072 | 8.184 | 7.030 | 6.696 | 5.686 |
| STANDARD DEVIATION | 0.056 | 0.324 | 0.312 | 0.347 | 0.406 | 0.904 | 0.585 | 0.766 |
| N SIZE | 7.000 | | | | | | | |

Part ID= B9 - FIELD PISTON

B9 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|--------|--------|--------|-------|-------|--------|-------|-------|
| Campbell, Bryan | 6.89 | 2.79 | -0.15 | -0.29 | 1.59 | 0.44 | 0.54 | 1.65 |
| Foecking, Brian | 0.14 | -1.29 | 0.90 | 0.60 | -1.22 | -0.54 | -0.11 | -0.44 |
| Hurst, Kevin R. | 0.85 | -0.52 | -1.28 | -0.55 | 0.73 | -0.09 | -1.14 | -1.13 |
| Langford, Mike | 1.03 | 1.15 | -0.70 | 1.43 | 1.25 | 1.07 | 1.37 | 1.58 |
| Lowsky, John | -0.75 | 0.84 | 1.03 | -0.44 | -0.65 | 0.89 | 0.57 | -0.11 |
| Price, Gregory | -1.28 | -0.18 | 0.04 | -1.04 | -0.11 | -1.33 | -0.69 | 0.10 |
| Veiga, Victor | 2.27 | -1.01 | -0.70 | 1.09 | 1.52 | 0.50 | -0.49 | 0.19 |
| MAXIMUM | -1.28 | -1.29 | -1.28 | 1.43 | 1.25 | -1.33 | 1.37 | 1.58 |
| MINIMUM | 0.14 | -0.18 | 0.04 | -0.44 | -0.11 | -0.09 | -0.11 | 0.10 |
| RANGE(MAX-MIN) | -1.421 | -1.113 | -1.314 | 1.872 | 1.355 | -1.239 | 1.486 | 1.487 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 7.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C1 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 4.50 | 1.49 | 6.99 | 1.44 | 3.32 | 3.20 | 9.88 | 9.98 |
| Caproni, David | 2.86 | 0.70 | 8.94 | 0.99 | 2.48 | 1.75 | 9.80 | 9.90 |
| DeCapite, Vanessa | 2.71 | 0.64 | 9.04 | 0.98 | 2.76 | 1.43 | 9.86 | 9.95 |
| Garza, Juan | 3.94 | 0.69 | 7.43 | 1.09 | 2.75 | 1.40 | 9.66 | 9.90 |
| King, Jennifer | 3.06 | 0.71 | 8.69 | 0.97 | 3.01 | 1.84 | 9.80 | 9.97 |
| Lonsway, Chris | 2.98 | 0.67 | 8.91 | 0.94 | 2.74 | 1.60 | 9.70 | 9.90 |
| May, Marianne | 2.04 | 0.66 | 9.15 | 0.82 | 3.19 | 1.93 | 9.60 | 9.98 |
| Reese, Kyle | 3.30 | 0.69 | 8.74 | 0.82 | 2.28 | 1.90 | 9.77 | 9.90 |
| Seiz, Ray | 3.67 | 0.62 | 8.58 | 1.13 | 3.24 | 1.93 | 9.67 | 9.80 |
| Viera, Ralph B. | 3.04 | 0.63 | 8.97 | 0.86 | 3.29 | 2.50 | 9.87 | 9.99 |
| MAXIMUM | 3.06 | 0.71 | 9.15 | 0.99 | 3.29 | 2.50 | 9.87 | 9.99 |
| MINIMUM | 2.04 | 0.63 | 8.69 | 0.82 | 2.48 | 1.43 | 9.60 | 9.90 |
| RANGE(MAX-MIN) | 1.020 | 0.080 | 0.460 | 0.170 | 0.810 | 1.070 | 0.270 | 0.090 |
| MEAN | 2.782 | 0.668 | 8.950 | 0.927 | 2.912 | 1.842 | 9.772 | 9.948 |
| STANDARD DEVIATION | 0.386 | 0.050 | 0.153 | 0.070 | 0.306 | 0.368 | 0.104 | 0.050 |
| N SIZE | 10.000 | | | | | | | |

Part ID= C1 - SEQUENCE IIIG PISTON

C1 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT |
|--------------------|--------|-------|--------|--------|--------|-------|--------|--------|
| Broff, Andy | 4.45 | 16.43 | -12.77 | 7.30 | 1.33 | 3.69 | 1.05 | 0.63 |
| Caproni, David | 0.20 | 0.63 | -0.07 | 0.90 | -1.41 | -0.25 | 0.27 | -0.97 |
| DeCapite, Vanessa | -0.19 | -0.57 | 0.59 | 0.76 | -0.50 | -1.12 | 0.85 | 0.03 |
| Garza, Juan | 3.00 | 0.43 | -9.90 | 2.32 | -0.53 | -1.20 | -1.08 | -0.97 |
| King, Jennifer | 0.72 | 0.83 | -1.69 | 0.62 | 0.32 | 0.00 | 0.27 | 0.43 |
| Lonsway, Chris | 0.51 | 0.03 | -0.26 | 0.19 | -0.56 | -0.66 | -0.69 | -0.97 |
| May, Marianne | -1.92 | -0.17 | 1.30 | -1.52 | 0.91 | 0.24 | -1.66 | 0.63 |
| Reese, Kyle | 1.34 | 0.43 | -1.37 | -1.52 | -2.06 | 0.16 | -0.02 | -0.97 |
| Seiz, Ray | 2.30 | -0.97 | -2.41 | 2.89 | 1.07 | 0.24 | -0.98 | -2.97 |
| Viera, Ralph B. | 0.67 | -0.77 | 0.13 | -0.95 | 1.24 | 1.79 | 0.95 | 0.83 |
| MAXIMUM | -1.92 | 0.83 | -1.69 | -1.52 | -1.41 | 1.79 | -1.66 | -0.97 |
| MINIMUM | -0.19 | 0.03 | -0.07 | 0.19 | 0.32 | 0.00 | 0.27 | 0.03 |
| RANGE(MAX-MIN) | -1.736 | 0.800 | -1.629 | -1.706 | -1.730 | 1.793 | -1.930 | -1.000 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 0.638 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.794 |
| N SIZE | 10.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C2 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 0.78 | 0.87 | 9.50 | 0.84 | 3.03 | 7.95 | 9.28 | 10.00 |
| Cales, Jonathon | 0.75 | 0.75 | 9.86 | 0.84 | 4.03 | 7.89 | 9.74 | 9.90 |
| Caproni, David | 0.74 | 0.78 | 9.30 | 0.90 | 4.03 | 7.54 | 9.73 | 9.90 |
| DeCapite, Vanessa | 0.75 | 0.72 | 9.76 | 1.05 | 3.46 | 6.98 | 9.76 | 9.95 |
| Garza, Juan | 0.75 | 0.75 | 9.48 | 0.99 | 3.18 | 7.01 | 9.44 | 9.90 |
| King, Jennifer | 0.75 | 0.75 | 9.71 | 1.06 | 3.17 | 7.15 | 9.85 | 9.90 |
| Lonsway, Chris | 0.75 | 0.75 | 9.60 | 0.83 | 3.43 | 6.73 | 9.63 | 9.90 |
| May, Marianne | 0.68 | 0.74 | 9.87 | 0.91 | 3.96 | 8.03 | 9.74 | 9.98 |
| Price, Gregory | 0.64 | 0.75 | 9.60 | 1.04 | 3.95 | 6.82 | 9.66 | 9.85 |
| Reese, Kyle | 0.75 | 0.75 | 9.70 | 1.08 | 3.63 | 7.40 | 9.64 | 9.90 |
| Seiz, Ray | 0.71 | 0.74 | 9.85 | 1.36 | 4.03 | 7.20 | 9.78 | 9.95 |
| Viera, Ralph B. | 0.68 | 0.68 | 9.87 | 1.00 | 3.97 | 7.60 | 9.90 | 10.00 |
| MAXIMUM | 0.75 | 0.78 | 9.87 | 1.06 | 4.03 | 8.03 | 9.90 | 10.00 |
| MINIMUM | 0.64 | 0.68 | 9.30 | 0.83 | 3.17 | 6.73 | 9.63 | 9.85 |
| RANGE(MAX-MIN) | 0.110 | 0.100 | 0.570 | 0.230 | 0.860 | 1.300 | 0.270 | 0.150 |
| MEAN | 0.718 | 0.740 | 9.696 | 0.954 | 3.750 | 7.343 | 9.751 | 9.923 |
| STANDARD DEVIATION | 0.050 | 0.050 | 0.195 | 0.095 | 0.341 | 0.492 | 0.089 | 0.050 |
| N SIZE | 12.000 | | | | | | | |

Part ID= C2 - SEQUENCE IIIG PISTON

C2 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THIOT | ATTOT |
|--------------------|--------|--------|--------|--------|--------|-------|-------|-------|
| Broff, Andy | 1.25 | 2.60 | -1.00 | -1.20 | -2.11 | 1.23 | -5.28 | 1.55 |
| Cales, Jonathon | 0.65 | 0.20 | 0.84 | -1.20 | 0.82 | 1.11 | -0.13 | -0.45 |
| Caproni, David | 0.45 | 0.80 | -2.03 | -0.57 | 0.82 | 0.40 | -0.24 | -0.45 |
| DeCapite, Vanessa | 0.65 | -0.40 | 0.33 | 1.01 | -0.85 | -0.74 | 0.10 | 0.55 |
| Garza, Juan | 0.65 | 0.20 | -1.11 | 0.38 | -1.67 | -0.68 | -3.49 | -0.45 |
| King, Jennifer | 0.65 | 0.20 | 0.07 | 1.12 | -1.70 | -0.39 | 1.11 | -0.45 |
| Lonsway, Chris | 0.65 | 0.20 | -0.49 | -1.30 | -0.94 | -1.25 | -1.36 | -0.45 |
| May, Marianne | -0.75 | 0.00 | 0.89 | -0.46 | 0.62 | 1.40 | -0.13 | 1.15 |
| Price, Gregory | -1.55 | 0.20 | -0.49 | 0.91 | 0.59 | -1.06 | -1.02 | -1.45 |
| Reese, Kyle | 0.65 | 0.20 | 0.02 | 1.33 | -0.35 | 0.12 | -1.25 | -0.45 |
| Seiz, Ray | -0.15 | 0.00 | 0.79 | 4.28 | 0.82 | -0.29 | 0.32 | 0.55 |
| Viera, Ralph B. | -0.75 | -1.20 | 0.89 | 0.49 | 0.65 | 0.52 | 1.67 | 1.55 |
| MAXIMUM | -1.55 | -1.20 | -2.03 | -1.30 | -1.70 | 1.40 | 1.67 | 1.55 |
| MINIMUM | 0.45 | 0.00 | 0.07 | -0.46 | 0.59 | -0.39 | 0.10 | -0.45 |
| RANGE(MAX-MIN) | -2.000 | -1.200 | -2.099 | -0.842 | -2.290 | 1.789 | 1.570 | 2.000 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 0.880 | 0.586 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.996 |
| N SIZE | 12.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C3 - SEQUENCE IIIG PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 3.80 | 1.35 | 8.45 | 0.80 | 2.16 | 6.13 | 9.03 | 9.85 |
| Caproni, David | 1.72 | 0.79 | 9.09 | 0.74 | 1.34 | 5.46 | 9.38 | 9.70 |
| DeCapite, Vanessa | 2.92 | 0.73 | 9.48 | 0.68 | 0.91 | 4.94 | 9.18 | 9.71 |
| Garza, Juan | 2.04 | 0.84 | 8.41 | 0.84 | 1.11 | 5.48 | 9.20 | 9.71 |
| King, Jennifer | 1.08 | 0.75 | 8.89 | 0.79 | 0.95 | 5.53 | 9.08 | 9.72 |
| Lonsway, Chris | 2.31 | 0.79 | 9.54 | 0.73 | 0.95 | 4.86 | 9.00 | 9.70 |
| May, Marianne | 0.99 | 0.78 | 9.59 | 0.72 | 0.86 | 5.61 | 9.30 | 9.74 |
| Reese, Kyle | 2.30 | 0.80 | 9.31 | 0.70 | 1.00 | 5.90 | 9.01 | 9.52 |
| Seiz, Ray | 1.62 | 0.76 | 9.17 | 0.80 | 0.95 | 5.30 | 9.05 | 9.77 |
| Viera, Ralph B. | 2.37 | 0.74 | 9.53 | 0.78 | 0.86 | 6.05 | 9.20 | 9.69 |
| MAXIMUM | 2.92 | 0.79 | 9.59 | 0.79 | 1.34 | 6.05 | 9.38 | 9.74 |
| MINIMUM | 0.99 | 0.73 | 8.89 | 0.68 | 0.86 | 4.86 | 9.00 | 9.69 |
| RANGE(MAX-MIN) | 1.930 | 0.060 | 0.700 | 0.110 | 0.480 | 1.190 | 0.380 | 0.050 |
| MEAN | 1.898 | 0.763 | 9.353 | 0.740 | 0.978 | 5.408 | 9.190 | 9.710 |
| STANDARD DEVIATION | 0.770 | 0.050 | 0.291 | 0.050 | 0.182 | 0.445 | 0.139 | 0.050 |
| N SIZE | 10.000 | | | | | | | |

Part ID= C3 - SEQUENCE IIIG PISTON

C3 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|--------|--------|--------|--------|-------|-------|-------|-------|
| Broff, Andy | 2.47 | 11.73 | -3.11 | 1.20 | 6.50 | 1.62 | -1.15 | 2.80 |
| Caproni, David | -0.23 | 0.53 | -0.91 | 0.00 | 1.99 | 0.12 | 1.37 | -0.20 |
| DeCapite, Vanessa | 1.33 | -0.67 | 0.44 | -1.20 | -0.38 | -1.05 | -0.07 | 0.00 |
| Garza, Juan | 0.18 | 1.53 | -3.25 | 2.00 | 0.72 | 0.16 | 0.07 | 0.00 |
| King, Jennifer | -1.06 | -0.27 | -1.59 | 1.00 | -0.16 | 0.27 | -0.79 | 0.20 |
| Lonsway, Chris | 0.53 | 0.53 | 0.64 | -0.20 | -0.16 | -1.23 | -1.37 | -0.20 |
| May, Marianne | -1.18 | 0.33 | 0.81 | -0.40 | -0.65 | 0.45 | 0.79 | 0.60 |
| Reese, Kyle | 0.52 | 0.73 | -0.15 | -0.80 | 0.12 | 1.11 | -1.30 | -3.80 |
| Seiz, Ray | -0.36 | -0.07 | -0.63 | 1.20 | -0.16 | -0.24 | -1.01 | 1.20 |
| Viera, Ralph B. | 0.61 | -0.47 | 0.61 | 0.80 | -0.65 | 1.44 | 0.07 | -0.40 |
| MAXIMUM | 1.33 | -0.67 | -1.59 | -1.20 | 1.99 | 1.44 | 1.37 | 0.60 |
| MINIMUM | -0.23 | -0.27 | 0.44 | 0.00 | -0.16 | 0.12 | -0.07 | 0.00 |
| RANGE(MAX-MIN) | 1.559 | -0.400 | -2.031 | -1.200 | 2.146 | 1.326 | 1.439 | 0.600 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 0.532 | 1.000 | 0.810 | 1.000 | 1.000 | 1.000 | 0.358 |
| N SIZE | 10.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C4 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Broff, Andy | 1.13 | 5.71 | 8.03 | 2.47 | 6.85 | 5.10 | 9.37 | 9.37 | |
| Caproni, David | 1.22 | 6.31 | 8.06 | 2.71 | 7.08 | 4.22 | 9.70 | 9.60 | |
| DeCapite, Vanessa | 1.22 | 6.20 | 8.84 | 2.31 | 7.14 | 3.86 | 9.80 | 9.60 | |
| Garza, Juan | 1.01 | 5.47 | 8.53 | 2.13 | 7.03 | 4.44 | 9.38 | 9.15 | |
| King, Jennifer | 0.75 | 6.79 | 9.24 | 2.49 | 7.97 | 4.07 | 9.76 | 9.70 | |
| Lonsway, Chris | 1.34 | 6.49 | 8.92 | 2.37 | 7.03 | 4.02 | 9.79 | 9.55 | |
| May, Marianne | 0.77 | 5.82 | 9.23 | 2.51 | 8.15 | 3.86 | 9.71 | 9.66 | |
| Reese, Kyle | 1.02 | 6.93 | 8.52 | 2.65 | 7.20 | 4.13 | 9.75 | 9.43 | |
| Seiz, Ray | 1.20 | 7.53 | 9.14 | 2.26 | 7.54 | 5.30 | 9.41 | 9.11 | |
| Viera, Ralph B. | 1.28 | 6.71 | 8.95 | 2.70 | 7.70 | 4.79 | 9.65 | 9.55 | |
| MAXIMUM | 1.34 | 6.79 | 9.24 | 2.71 | 8.15 | 4.79 | 9.80 | 9.70 | |
| MINIMUM | 0.75 | 5.82 | 8.06 | 2.31 | 7.03 | 3.86 | 9.65 | 9.55 | |
| RANGE(MAX-MIN) | 0.590 | 0.970 | 1.180 | 0.400 | 1.120 | 0.930 | 0.150 | 0.150 | |
| MEAN | 1.097 | 6.387 | 8.873 | 2.515 | 7.512 | 4.137 | 9.735 | 9.610 | |
| STANDARD DEVIATION | 0.265 | 0.358 | 0.432 | 0.165 | 0.492 | 0.348 | 0.058 | 0.060 | |
| N SIZE | 10.000 | | | | | | | | |

Part ID= C4 - SEQUENCE IIIH PISTON

C4 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|--------|--------|--------|-------|-------|--------|-------|--|
| Broff, Andy | 0.13 | -1.89 | -1.95 | -0.27 | -1.35 | 2.77 | -6.27 | -4.00 | |
| Caproni, David | 0.47 | -0.21 | -1.88 | 1.18 | -0.88 | 0.24 | -0.60 | -0.17 | |
| DeCapite, Vanessa | 0.47 | -0.52 | -0.08 | -1.24 | -0.76 | -0.80 | 1.12 | -0.17 | |
| Garza, Juan | -0.33 | -2.56 | -0.80 | -2.33 | -0.98 | 0.87 | -6.10 | -7.67 | |
| King, Jennifer | -1.31 | 1.13 | 0.85 | -0.15 | 0.93 | -0.19 | 0.43 | 1.50 | |
| Lonsway, Chris | 0.92 | 0.29 | 0.11 | -0.88 | -0.98 | -0.34 | 0.94 | -1.00 | |
| May, Marianne | -1.23 | -1.58 | 0.83 | -0.03 | 1.30 | -0.80 | -0.43 | 0.83 | |
| Reese, Kyle | -0.29 | 1.52 | -0.82 | 0.82 | -0.63 | -0.02 | 0.26 | -3.00 | |
| Seiz, Ray | 0.39 | 3.20 | 0.62 | -1.55 | 0.06 | 3.34 | -5.58 | -8.33 | |
| Viera, Ralph B. | 0.69 | 0.90 | 0.18 | 1.12 | 0.38 | 1.88 | -1.46 | -1.00 | |
| MAXIMUM | -1.31 | -1.58 | -1.88 | -1.24 | 1.30 | 1.88 | -1.46 | 1.50 | |
| MINIMUM | 0.47 | -0.21 | -0.08 | -0.03 | 0.38 | -0.19 | 0.43 | -0.17 | |
| RANGE(MAX-MIN) | -1.776 | -1.370 | -1.806 | -1.213 | 0.915 | 2.070 | -1.889 | 1.667 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 10.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C5 - SEQUENCE IIIH PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|
| Broff, Andy | 3.38 | 3.15 | 9.15 | 2.03 | 6.67 | 5.08 | 9.90 | 9.92 | |
| Caproni, David | 0.75 | 2.06 | 9.76 | 1.11 | 6.20 | 4.76 | 9.80 | 9.90 | |
| DeCapite, Vanessa | 1.48 | 1.62 | 9.54 | 1.44 | 6.54 | 4.55 | 9.90 | 9.90 | |
| Garza, Juan | 1.58 | 1.76 | 9.40 | 1.77 | 6.38 | 4.31 | 9.90 | 9.89 | |
| King, Jennifer | 0.75 | 2.07 | 9.61 | 1.42 | 7.12 | 3.88 | 9.98 | 9.98 | |
| Lonsway, Chris | 1.52 | 1.86 | 9.52 | 1.50 | 6.65 | 4.31 | 9.90 | 9.90 | |
| May, Marianne | 0.75 | 1.34 | 9.67 | 1.12 | 7.07 | 4.57 | 9.89 | 9.95 | |
| Reese, Kyle | 1.69 | 1.77 | 9.67 | 1.66 | 5.19 | 4.31 | 9.76 | 9.79 | |
| Seiz, Ray | 1.16 | 1.77 | 9.67 | 1.49 | 6.90 | 4.65 | 9.84 | 9.82 | |
| Viera, Ralph B. | 0.71 | 1.31 | 9.37 | 0.99 | 6.83 | 4.24 | 9.98 | 9.98 | |
| MAXIMUM | 1.52 | 2.07 | 9.76 | 1.50 | 7.12 | 4.76 | 9.98 | 9.98 | |
| MINIMUM | 0.71 | 1.31 | 9.37 | 0.99 | 6.20 | 3.88 | 9.80 | 9.90 | |
| RANGE(MAX-MIN) | 0.810 | 0.760 | 0.390 | 0.510 | 0.920 | 0.880 | 0.180 | 0.080 | |
| MEAN | 0.993 | 1.710 | 9.578 | 1.263 | 6.735 | 4.385 | 9.908 | 9.935 | |
| STANDARD DEVIATION | 0.393 | 0.340 | 0.135 | 0.215 | 0.347 | 0.311 | 0.067 | 0.050 | |
| N SIZE | 10.000 | | | | | | | | |

Part ID= C5 - SEQUENCE IIIH PISTON

C5 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | FRTOT | RRTOT | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| Broff, Andy | 6.07 | 4.23 | -3.18 | 3.57 | -0.19 | 2.23 | -0.12 | -0.30 | |
| Caproni, David | -0.62 | 1.03 | 1.35 | -0.71 | -1.54 | 1.21 | -1.62 | -0.70 | |
| DeCapite, Vanessa | 1.24 | -0.26 | -0.28 | 0.82 | -0.56 | 0.53 | -0.12 | -0.70 | |
| Garza, Juan | 1.49 | 0.15 | -1.32 | 2.36 | -1.02 | -0.24 | -0.12 | -0.90 | |
| King, Jennifer | -0.62 | 1.06 | 0.24 | 0.73 | 1.11 | -1.62 | 1.07 | 0.90 | |
| Lonsway, Chris | 1.34 | 0.44 | -0.43 | 1.10 | -0.25 | -0.24 | -0.12 | -0.70 | |
| May, Marianne | -0.62 | -1.09 | 0.68 | -0.67 | 0.97 | 0.59 | -0.27 | 0.30 | |
| Reese, Kyle | 1.77 | 0.18 | 0.68 | 1.85 | -4.46 | -0.24 | -2.21 | -2.90 | |
| Seiz, Ray | 0.42 | 0.18 | 0.68 | 1.06 | 0.48 | 0.85 | -1.02 | -2.30 | |
| Viera, Ralph B. | -0.72 | -1.17 | -1.55 | -1.27 | 0.27 | -0.47 | 1.07 | 0.90 | |
| MAXIMUM | 1.34 | -1.17 | -1.55 | -1.27 | -1.54 | -1.62 | -1.62 | 0.90 | |
| MINIMUM | -0.62 | -0.26 | 0.24 | -0.67 | -0.25 | -0.24 | -0.12 | 0.30 | |
| RANGE(MAX-MIN) | 1.959 | -0.911 | -1.782 | -0.605 | -1.298 | -1.383 | -1.491 | 0.600 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.797 | |
| N SIZE | 10.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C6 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 0.68 | 2.11 | 8.22 | 0.75 | 6.37 | 3.50 | 8.60 | 9.80 |
| Caproni, David | 0.73 | 2.59 | 9.03 | 0.75 | 6.88 | 3.40 | 8.58 | 9.80 |
| DeCapite, Vanessa | 0.71 | 2.29 | 8.93 | 0.83 | 6.60 | 2.40 | 8.81 | 9.79 |
| Garza, Juan | 0.69 | 1.96 | 8.43 | 0.74 | 5.51 | 2.20 | 7.94 | 9.75 |
| King, Jennifer | 0.74 | 2.67 | 9.26 | 0.83 | 7.14 | 2.65 | 9.33 | 9.93 |
| Kobrinetz, Joaquin J. | 0.71 | 2.61 | 8.86 | 0.84 | 6.92 | 2.45 | 8.83 | 9.89 |
| Lonsway, Chris | 0.71 | 2.32 | 9.05 | 0.75 | 6.49 | 2.26 | 8.72 | 9.70 |
| May, Marianne | 0.71 | 2.55 | 9.46 | 0.75 | 8.13 | 3.53 | 9.03 | 9.77 |
| Reese, Kyle | 0.71 | 2.35 | 8.80 | 0.73 | 7.12 | 3.06 | 8.69 | 9.70 |
| Seiz, Ray | 0.71 | 2.84 | 9.29 | 0.80 | 7.20 | 4.03 | 8.79 | 9.69 |
| Viera, Ralph B. | 0.72 | 2.79 | 9.05 | 0.75 | 7.16 | 2.86 | 8.92 | 9.97 |
| MAXIMUM | 0.74 | 2.79 | 9.46 | 0.84 | 8.13 | 3.53 | 9.33 | 9.97 |
| MINIMUM | 0.71 | 2.29 | 8.86 | 0.75 | 6.49 | 2.26 | 8.58 | 9.70 |
| RANGE(MAX-MIN) | 0.030 | 0.500 | 0.600 | 0.090 | 1.640 | 1.270 | 0.750 | 0.270 |
| MEAN | 0.719 | 2.546 | 9.091 | 0.786 | 7.046 | 2.793 | 8.889 | 9.836 |
| STANDARD DEVIATION | 0.050 | 0.181 | 0.205 | 0.050 | 0.540 | 0.499 | 0.241 | 0.097 |
| N SIZE | 11.000 | | | | | | | |

Part ID= C6 - GMOD PISTON

C6 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|-----------------------|--------|--------|-------|-------|-------|-------|-------|--------|
| Broff, Andy | -0.77 | -2.40 | -4.26 | -0.71 | -1.25 | 1.42 | -1.20 | -0.37 |
| Caproni, David | 0.23 | 0.24 | -0.30 | -0.71 | -0.31 | 1.22 | -1.28 | -0.37 |
| DeCapite, Vanessa | -0.17 | -1.41 | -0.79 | 0.89 | -0.83 | -0.79 | -0.33 | -0.47 |
| Garza, Juan | -0.57 | -3.23 | -3.23 | -0.91 | -2.84 | -1.19 | -3.93 | -0.89 |
| King, Jennifer | 0.43 | 0.68 | 0.82 | 0.89 | 0.17 | -0.29 | 1.83 | 0.98 |
| Kobrinetz, Joaquin J. | -0.17 | 0.35 | -1.13 | 1.09 | -0.23 | -0.69 | -0.24 | 0.56 |
| Lonsway, Chris | -0.17 | -1.24 | -0.20 | -0.71 | -1.03 | -1.07 | -0.70 | -1.41 |
| May, Marianne | -0.17 | 0.02 | 1.80 | -0.71 | 2.01 | 1.48 | 0.59 | -0.68 |
| Reese, Kyle | -0.17 | -1.08 | -1.42 | -1.11 | 0.14 | 0.54 | -0.82 | -1.41 |
| Seiz, Ray | -0.17 | 1.62 | 0.97 | 0.29 | 0.29 | 2.48 | -0.41 | -1.51 |
| Viera, Ralph B. | 0.03 | 1.35 | -0.20 | -0.71 | 0.21 | 0.13 | 0.13 | 1.39 |
| MAXIMUM | 0.43 | -1.41 | 1.80 | 1.09 | 2.01 | 1.48 | 1.83 | -1.41 |
| MINIMUM | 0.03 | 0.02 | -0.20 | -0.71 | 0.17 | 0.13 | 0.13 | -0.37 |
| RANGE(MAX-MIN) | 0.400 | -1.433 | 2.004 | 1.800 | 1.834 | 1.343 | 1.700 | -1.035 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 0.243 | 1.000 | 1.000 | 0.893 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 11.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C7 - GMOD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 1.26 | 1.69 | 8.85 | 0.83 | 6.25 | 5.45 | 9.32 | 9.95 |
| Caproni, David | 0.98 | 1.02 | 8.90 | 0.75 | 6.26 | 4.26 | 9.64 | 9.90 |
| DeCapite, Vanessa | 0.75 | 0.75 | 9.41 | 0.93 | 6.09 | 4.12 | 9.71 | 9.90 |
| Garza, Juan | 1.14 | 0.86 | 8.80 | 0.93 | 5.55 | 3.17 | 9.30 | 9.89 |
| King, Jennifer | 0.83 | 0.75 | 9.41 | 0.94 | 6.71 | 4.53 | 9.83 | 9.98 |
| May, Marianne | 0.78 | 0.83 | 9.47 | 0.87 | 6.78 | 4.59 | 9.54 | 9.91 |
| Seiz, Ray | 0.24 | 0.94 | 9.29 | 0.93 | 6.53 | 4.30 | 9.58 | 9.88 |
| Viera, Ralph B. | 0.49 | 1.05 | 9.36 | 0.75 | 6.72 | 4.03 | 9.95 | 10.00 |
| MAXIMUM | 0.98 | 1.05 | 9.47 | 0.94 | 6.78 | 4.59 | 9.95 | 10.00 |
| MINIMUM | 0.49 | 0.75 | 8.90 | 0.75 | 6.09 | 4.03 | 9.54 | 9.90 |
| RANGE(MAX-MIN) | 0.490 | 0.300 | 0.570 | 0.190 | 0.690 | 0.560 | 0.410 | 0.100 |
| MEAN | 0.766 | 0.880 | 9.310 | 0.848 | 6.512 | 4.306 | 9.734 | 9.938 |
| STANDARD DEVIATION | 0.178 | 0.146 | 0.232 | 0.093 | 0.315 | 0.247 | 0.160 | 0.050 |
| N SIZE | 8.000 | | | | | | | |

Part ID= C7 - GMOD PISTON

C7 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|--------|-------|--------|--------|--------|-------|-------|-------|
| Broff, Andy | 2.78 | 5.56 | -1.98 | -0.19 | -0.83 | 4.63 | -2.58 | 0.24 |
| Caproni, David | 1.20 | 0.96 | -1.76 | -1.05 | -0.80 | -0.19 | -0.59 | -0.76 |
| DeCapite, Vanessa | -0.09 | -0.89 | 0.43 | 0.88 | -1.34 | -0.75 | -0.15 | -0.76 |
| Garza, Juan | 2.10 | -0.14 | -2.19 | 0.88 | -3.06 | -4.60 | -2.71 | -0.96 |
| King, Jennifer | 0.36 | -0.89 | 0.43 | 0.99 | 0.63 | 0.91 | 0.60 | 0.84 |
| May, Marianne | 0.08 | -0.34 | 0.69 | 0.24 | 0.85 | 1.15 | -1.21 | -0.56 |
| Seiz, Ray | -2.96 | 0.41 | -0.09 | 0.88 | 0.06 | -0.02 | -0.96 | -1.16 |
| Viera, Ralph B. | -1.55 | 1.17 | 0.22 | -1.05 | 0.66 | -1.12 | 1.35 | 1.24 |
| MAXIMUM | -1.55 | 1.17 | -1.76 | -1.05 | -1.34 | 1.15 | 1.35 | 1.24 |
| MINIMUM | 0.08 | -0.34 | 0.22 | 0.24 | 0.63 | -0.19 | -0.15 | -0.56 |
| RANGE(MAX-MIN) | -1.631 | 1.511 | -1.979 | -1.285 | -1.971 | 1.337 | 1.496 | 1.800 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.963 |
| N SIZE | 8.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C8 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 1.92 | 4.75 | 4.65 | 8.13 | 9.29 | 7.05 | 5.33 | 5.41 |
| Caproni, David | 1.43 | 5.36 | 5.37 | 8.75 | 9.70 | 7.40 | 5.15 | 5.25 |
| DeCapite, Vanessa | 1.57 | 4.71 | 4.94 | 8.84 | 9.74 | 7.20 | 5.54 | 5.55 |
| Garza, Juan | 1.54 | 5.03 | 4.98 | 8.29 | 9.53 | 7.63 | 5.93 | 5.10 |
| King, Jennifer | 1.66 | 5.05 | 4.71 | 8.85 | 9.71 | 7.28 | 5.65 | 5.57 |
| May, Marianne | 1.63 | 4.95 | 5.00 | 8.68 | 9.67 | 7.26 | 6.44 | 6.44 |
| Seiz, Ray | 2.43 | 5.27 | 5.42 | 8.30 | 9.50 | 7.96 | 6.76 | 6.40 |
| Viera, Ralph B. | 1.68 | 5.09 | 6.07 | 9.00 | 9.52 | 7.55 | 5.63 | 6.01 |
| MAXIMUM | 1.68 | 5.36 | 6.07 | 9.00 | 9.74 | 7.55 | 6.44 | 6.44 |
| MINIMUM | 1.43 | 4.71 | 4.71 | 8.68 | 9.52 | 7.20 | 5.15 | 5.25 |
| RANGE(MAX-MIN) | 0.250 | 0.650 | 1.360 | 0.320 | 0.220 | 0.350 | 1.290 | 1.190 |
| MEAN | 1.594 | 5.032 | 5.218 | 8.824 | 9.668 | 7.338 | 5.682 | 5.764 |
| STANDARD DEVIATION | 0.101 | 0.235 | 0.532 | 0.121 | 0.086 | 0.139 | 0.469 | 0.465 |
| N SIZE | 8.000 | | | | | | | |

Part ID= C8 - FIELD PISTON

C8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|--------|-------|-------|-------|--------|-------|-------|-------|
| Broff, Andy | 3.24 | -1.20 | -1.07 | -5.76 | -4.37 | -2.07 | -0.75 | -0.76 |
| Caproni, David | -1.63 | 1.39 | 0.29 | -0.61 | 0.37 | 0.45 | -1.13 | -1.11 |
| DeCapite, Vanessa | -0.24 | -1.37 | -0.52 | 0.13 | 0.83 | -0.99 | -0.30 | -0.46 |
| Garza, Juan | -0.54 | -0.01 | -0.45 | -4.43 | -1.60 | 2.10 | 0.53 | -1.43 |
| King, Jennifer | 0.66 | 0.08 | -0.96 | 0.22 | 0.49 | -0.42 | -0.07 | -0.42 |
| May, Marianne | 0.36 | -0.35 | -0.41 | -1.19 | 0.02 | -0.56 | 1.61 | 1.45 |
| Seiz, Ray | 8.31 | 1.01 | 0.38 | -4.35 | -1.94 | 4.47 | 2.30 | 1.37 |
| Viera, Ralph B. | 0.85 | 0.25 | 1.60 | 1.46 | -1.71 | 1.53 | -0.11 | 0.53 |
| MAXIMUM | -1.63 | 1.39 | 1.60 | 1.46 | -1.71 | 1.53 | 1.61 | 1.45 |
| MINIMUM | -0.24 | 0.08 | 0.29 | 0.13 | 0.02 | -0.42 | -0.07 | -0.42 |
| RANGE(MAX-MIN) | -1.391 | 1.317 | 1.316 | 1.327 | -1.736 | 1.943 | 1.683 | 1.871 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 8.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= C9 - FIELD PISTON

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Broff, Andy | 4.17 | 1.61 | 4.09 | 6.88 | 8.98 | 7.38 | 6.00 | 5.50 |
| DeCapite, Vanessa | 3.05 | 1.02 | 2.61 | 7.70 | 9.53 | 6.70 | 5.94 | 5.65 |
| King, Jennifer | 3.34 | 1.11 | 2.67 | 8.18 | 9.29 | 6.41 | 6.14 | 6.25 |
| Seiz, Ray | 3.83 | 0.65 | 3.60 | 6.79 | 9.09 | 7.97 | 6.75 | 7.37 |
| Viera, Ralph B. | 3.11 | 0.89 | 3.43 | 7.49 | 8.78 | 6.73 | 6.02 | 6.05 |
| MAXIMUM | 3.34 | 1.11 | 3.43 | 8.18 | 9.53 | 6.73 | 6.14 | 6.25 |
| MINIMUM | 3.05 | 0.89 | 2.61 | 7.49 | 8.78 | 6.41 | 5.94 | 5.65 |
| RANGE(MAX-MIN) | 0.290 | 0.220 | 0.820 | 0.690 | 0.750 | 0.320 | 0.200 | 0.600 |
| MEAN | 3.167 | 1.007 | 2.903 | 7.790 | 9.200 | 6.613 | 6.033 | 5.983 |
| STANDARD DEVIATION | 0.153 | 0.111 | 0.457 | 0.354 | 0.383 | 0.177 | 0.101 | 0.306 |
| N SIZE | 5.000 | | | | | | | |

Part ID= C9 - FIELD PISTON

C9 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT |
|--------------------|-------|--------|-------|-------|--------|--------|-------|--------|
| Broff, Andy | 6.55 | 5.45 | 2.60 | -2.57 | -0.57 | 4.34 | -0.33 | -1.58 |
| DeCapite, Vanessa | -0.76 | 0.12 | -0.64 | -0.25 | 0.86 | 0.49 | -0.93 | -1.09 |
| King, Jennifer | 1.13 | 0.93 | -0.51 | 1.10 | 0.24 | -1.15 | 1.06 | 0.87 |
| Seiz, Ray | 4.33 | -3.22 | 1.52 | -2.83 | -0.29 | 7.68 | 7.12 | 4.54 |
| Viera, Ralph B. | -0.37 | -1.05 | 1.15 | -0.85 | -1.10 | 0.66 | -0.13 | 0.22 |
| MAXIMUM | 1.13 | -1.05 | 1.15 | 1.10 | -1.10 | -1.15 | 1.06 | -1.09 |
| MINIMUM | -0.37 | 0.12 | -0.51 | -0.25 | 0.24 | 0.49 | -0.13 | 0.22 |
| RANGE(MAX-MIN) | 1.503 | -1.175 | 1.663 | 1.357 | -1.332 | -1.641 | 1.192 | -1.309 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 5.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= H1-8 - INTAKE VALVE SET

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Barrera, Tony | 9.10 | 9.10 | 9.10 | 8.60 | 8.40 | 9.00 | 8.30 | 9.40 |
| Broff, Andy | 9.00 | 7.90 | 8.90 | 9.50 | 7.50 | 9.50 | 9.50 | 9.60 |
| Campbell, Bryan | 9.30 | 8.20 | 9.00 | 9.70 | 7.80 | 9.80 | 9.80 | 9.70 |
| Castillo, George | 8.30 | 7.70 | 9.10 | 9.30 | 7.80 | 9.50 | 9.50 | 9.40 |
| Dominguez, Lucio | 8.50 | 7.50 | 8.80 | 9.20 | 9.00 | 9.20 | 9.30 | 9.30 |
| Foecking, Brian | 8.10 | 7.30 | 7.40 | 8.40 | 7.20 | 8.70 | 8.80 | 8.80 |
| King, Jennifer | 8.20 | 8.40 | 8.20 | 9.00 | 7.50 | 9.40 | 9.50 | 9.60 |
| Kobrinetz, Joaquin J. | 8.00 | 7.70 | 7.90 | 8.10 | 7.80 | 8.40 | 8.10 | 8.50 |
| Lopez, Frank | 8.90 | 8.00 | 8.90 | 9.00 | 7.90 | 9.30 | 9.50 | 9.50 |
| Lowsky, John | 9.00 | 7.50 | 8.90 | 9.20 | 7.25 | 9.20 | 9.30 | 9.40 |
| May, Marianne | 8.40 | 8.00 | 8.50 | 8.80 | 7.80 | 9.00 | 9.00 | 9.10 |
| Price, Gregory | 9.72 | 8.36 | 9.80 | 9.30 | 8.20 | 9.30 | 9.25 | 9.20 |
| Rodriguez, Jesus (Jesse) | 8.00 | 7.70 | 8.00 | 9.00 | 7.50 | 9.10 | 9.30 | 9.50 |
| Sanchez, Arthur | 9.10 | 7.70 | 9.20 | 9.50 | 7.80 | 9.60 | 9.60 | 9.50 |
| Seiz, Ray | 8.80 | 8.70 | 9.00 | 9.20 | 8.50 | 9.20 | 9.30 | 9.40 |
| Viera, Ralph B. | 9.00 | 8.50 | 8.80 | 9.00 | 7.80 | 9.00 | 8.80 | 8.90 |
| Zalewski, John | 9.00 | 9.00 | 8.90 | 8.50 | 8.50 | 8.90 | 8.20 | 9.40 |
| MAXIMUM | 9.72 | 9.10 | 9.80 | 9.70 | 9.00 | 9.80 | 9.80 | 9.70 |
| MINIMUM | 8.00 | 7.30 | 7.40 | 8.10 | 7.20 | 8.40 | 8.10 | 8.50 |
| RANGE(MAX-MIN) | 1.720 | 1.800 | 2.400 | 1.600 | 1.800 | 1.400 | 1.700 | 1.200 |
| MEAN | 8.731 | 8.074 | 8.729 | 9.018 | 7.897 | 9.182 | 9.121 | 9.306 |
| STANDARD DEVIATION | 0.500 | 0.533 | 0.572 | 0.426 | 0.482 | 0.341 | 0.512 | 0.317 |
| N SIZE | 17.000 | | | | | | | |

Part ID= H1-8 - INTAKE VALVE SET

H1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|--------------------------|--------|-------|--------|--------|-------|--------|--------|--------|
| Barrera, Tony | 0.74 | 1.92 | 0.65 | -0.98 | 1.04 | -0.53 | -1.60 | 0.30 |
| Broff, Andy | 0.54 | -0.33 | 0.30 | 1.13 | -0.82 | 0.93 | 0.74 | 0.93 |
| Campbell, Bryan | 1.14 | 0.24 | 0.47 | 1.60 | -0.20 | 1.81 | 1.33 | 1.24 |
| Castillo, George | -0.86 | -0.70 | 0.65 | 0.66 | -0.20 | 0.93 | 0.74 | 0.30 |
| Dominguez, Lucio | -0.46 | -1.08 | 0.12 | 0.43 | 2.29 | 0.05 | 0.35 | -0.02 |
| Foecking, Brian | -1.26 | -1.45 | -2.32 | -1.45 | -1.45 | -1.41 | -0.63 | -1.60 |
| King, Jennifer | -1.06 | 0.61 | -0.93 | -0.04 | -0.82 | 0.64 | 0.74 | 0.93 |
| Kobrinetz, Joaquin J. | -1.46 | -0.70 | -1.45 | -2.15 | -0.20 | -2.29 | -1.99 | -2.54 |
| Lopez, Frank | 0.34 | -0.14 | 0.30 | -0.04 | 0.01 | 0.34 | 0.74 | 0.61 |
| Lowsky, John | 0.54 | -1.08 | 0.30 | 0.43 | -1.34 | 0.05 | 0.35 | 0.30 |
| May, Marianne | -0.66 | -0.14 | -0.40 | -0.51 | -0.20 | -0.53 | -0.24 | -0.65 |
| Price, Gregory | 1.98 | 0.54 | 1.87 | 0.66 | 0.63 | 0.34 | 0.25 | -0.33 |
| Rodriguez, Jesus (Jesse) | -1.46 | -0.70 | -1.28 | -0.04 | -0.82 | -0.24 | 0.35 | 0.61 |
| Sanchez, Arthur | 0.74 | -0.70 | 0.82 | 1.13 | -0.20 | 1.22 | 0.94 | 0.61 |
| Seiz, Ray | 0.14 | 1.17 | 0.47 | 0.43 | 1.25 | 0.05 | 0.35 | 0.30 |
| Viera, Ralph B. | 0.54 | 0.80 | 0.12 | -0.04 | -0.20 | -0.53 | -0.63 | -1.28 |
| Zalewski, John | 0.54 | 1.74 | 0.30 | -1.21 | 1.25 | -0.83 | -1.80 | 0.30 |
| MAXIMUM | 1.98 | 1.92 | -2.32 | -2.15 | 2.29 | -2.29 | -1.99 | -2.54 |
| MINIMUM | 0.14 | -0.14 | 0.12 | -0.04 | 0.01 | 0.05 | -0.24 | -0.02 |
| RANGE(MAX-MIN) | 1.841 | 2.064 | -2.448 | -2.112 | 2.281 | -2.343 | -1.758 | -2.523 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 17.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= I1-8 - INTAKE VALVE SET

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Aguirre, Nancy P | 9.30 | 9.50 | 8.80 | 8.90 | 8.80 | 9.30 | 8.90 | 9.50 |
| Barrera, Tony | 8.20 | 8.20 | 8.20 | 8.60 | 8.00 | 9.30 | 9.30 | 9.60 |
| Broff, Andy | 9.50 | 9.30 | 8.80 | 8.50 | 8.60 | 9.10 | 8.10 | 9.30 |
| Campbell, Bryan | 9.70 | 9.70 | 9.60 | 9.50 | 9.30 | 9.60 | 9.40 | 9.70 |
| Castillo, George | 9.20 | 9.30 | 9.10 | 9.00 | 8.90 | 9.20 | 8.80 | 9.20 |
| DeCapite, Vanessa | 9.70 | 9.70 | 9.50 | 9.40 | 9.30 | 9.60 | 9.20 | 9.70 |
| Dominguez, Lucio | 9.50 | 9.50 | 9.40 | 9.40 | 9.30 | 9.40 | 8.90 | 9.50 |
| Foecking, Brian | 9.30 | 9.40 | 9.30 | 9.20 | 9.10 | 9.30 | 8.60 | 9.40 |
| King, Jennifer | 9.60 | 9.70 | 9.40 | 9.40 | 9.30 | 9.50 | 9.00 | 9.60 |
| Kobrinetz, Joaquin J. | 9.10 | 9.20 | 9.10 | 8.90 | 8.60 | 9.10 | 8.90 | 9.40 |
| Lopez, Frank | 9.70 | 9.70 | 9.50 | 9.20 | 9.40 | 9.50 | 9.10 | 9.70 |
| Lowsky, John | 9.00 | 8.90 | 8.70 | 7.90 | 8.00 | 9.20 | 8.10 | 9.40 |
| May, Marianne | 9.20 | 9.40 | 9.10 | 9.00 | 9.00 | 9.30 | 9.00 | 9.50 |
| Price, Gregory | 9.60 | 9.30 | 9.30 | 9.17 | 8.93 | 9.43 | 8.90 | 9.68 |
| Rodriguez, Jesus (Jesse) | 9.50 | 9.30 | 9.00 | 8.70 | 8.30 | 9.00 | 8.30 | 9.20 |
| Sanchez, Arthur | 9.50 | 9.60 | 9.30 | 9.30 | 9.20 | 9.30 | 9.10 | 9.60 |
| Seiz, Ray | 9.60 | 9.70 | 9.30 | 9.20 | 9.20 | 9.50 | 9.00 | 9.60 |
| Trevino, Robert | 9.20 | 9.40 | 9.10 | 9.10 | 9.10 | 9.30 | 8.80 | 9.40 |
| Viera, Ralph B. | 9.10 | 9.40 | 9.10 | 9.00 | 8.80 | 9.20 | 8.70 | 9.20 |
| Zalewski, John | 8.00 | 7.00 | 8.00 | 8.50 | 6.50 | 9.00 | 9.00 | 9.00 |
| MAXIMUM | 9.70 | 9.70 | 9.60 | 9.50 | 9.40 | 9.60 | 9.40 | 9.70 |
| MINIMUM | 8.00 | 7.00 | 8.00 | 7.90 | 6.50 | 9.00 | 8.10 | 9.00 |
| RANGE(MAX-MIN) | 1.700 | 2.700 | 1.600 | 1.600 | 2.900 | 0.600 | 1.300 | 0.700 |
| MEAN | 9.275 | 9.260 | 9.080 | 8.994 | 8.782 | 9.307 | 8.855 | 9.459 |
| STANDARD DEVIATION | 0.459 | 0.634 | 0.415 | 0.395 | 0.681 | 0.180 | 0.353 | 0.200 |
| N SIZE | 20.000 | | | | | | | |

Part ID= I1-8 - INTAKE VALVE SET

I1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Aguirre, Nancy P | 0.05 | 0.38 | -0.67 | -0.24 | 0.03 | -0.04 | 0.13 | 0.21 |
| Barrera, Tony | -2.34 | -1.67 | -2.12 | -1.00 | -1.15 | -0.04 | 1.26 | 0.71 |
| Broff, Andy | 0.49 | 0.06 | -0.67 | -1.25 | -0.27 | -1.15 | -2.14 | -0.80 |
| Campbell, Bryan | 0.93 | 0.69 | 1.25 | 1.28 | 0.76 | 1.63 | 1.54 | 1.21 |
| Castillo, George | -0.16 | 0.06 | 0.05 | 0.02 | 0.17 | -0.59 | -0.16 | -1.30 |
| DeCapite, Vanessa | 0.93 | 0.69 | 1.01 | 1.03 | 0.76 | 1.63 | 0.98 | 1.21 |
| Dominguez, Lucio | 0.49 | 0.38 | 0.77 | 1.03 | 0.76 | 0.52 | 0.13 | 0.21 |
| Foecking, Brian | 0.05 | 0.22 | 0.53 | 0.52 | 0.47 | -0.04 | -0.72 | -0.30 |
| King, Jennifer | 0.71 | 0.69 | 0.77 | 1.03 | 0.76 | 1.07 | 0.41 | 0.71 |
| Kobrinetz, Joaquin J. | -0.38 | -0.09 | 0.05 | -0.24 | -0.27 | -1.15 | 0.13 | -0.30 |
| Lopez, Frank | 0.93 | 0.69 | 1.01 | 0.52 | 0.91 | 1.07 | 0.69 | 1.21 |
| Lowsky, John | -0.60 | -0.57 | -0.92 | -2.77 | -1.15 | -0.59 | -2.14 | -0.30 |
| May, Marianne | -0.16 | 0.22 | 0.05 | 0.02 | 0.32 | -0.04 | 0.41 | 0.21 |
| Price, Gregory | 0.71 | 0.06 | 0.53 | 0.45 | 0.22 | 0.69 | 0.13 | 1.11 |
| Rodriguez, Jesus (Jesse) | 0.49 | 0.06 | -0.19 | -0.74 | -0.71 | -1.70 | -1.57 | -1.30 |
| Sanchez, Arthur | 0.49 | 0.54 | 0.53 | 0.78 | 0.61 | -0.04 | 0.69 | 0.71 |
| Seiz, Ray | 0.71 | 0.69 | 0.53 | 0.52 | 0.61 | 1.07 | 0.41 | 0.71 |
| Trevino, Robert | -0.16 | 0.22 | 0.05 | 0.27 | 0.47 | -0.04 | -0.16 | -0.30 |
| Viera, Ralph B. | -0.38 | 0.22 | 0.05 | 0.02 | 0.03 | -0.59 | -0.44 | -1.30 |
| Zalewski, John | -2.78 | -3.56 | -2.60 | -1.25 | -3.35 | -1.70 | 0.41 | -2.30 |
| MAXIMUM | -2.78 | -3.56 | -2.60 | -2.77 | -3.35 | -1.70 | -2.14 | -2.30 |
| MINIMUM | 0.05 | 0.06 | 0.05 | 0.02 | 0.03 | -0.04 | 0.13 | 0.21 |
| RANGE(MAX-MIN) | -2.834 | -3.625 | -2.651 | -2.788 | -3.376 | -1.666 | -2.265 | -2.502 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 20.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= PTOP - PISTON TOPS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | 7.86 | 7.95 | 7.98 | 7.83 | 7.57 | 7.91 | 7.62 | 7.38 | |
| Barrera, Tony | 7.52 | 7.59 | 7.76 | 7.53 | 7.43 | 7.78 | 7.55 | 7.55 | |
| Broff, Andy | 7.39 | 7.73 | 8.01 | 7.86 | 7.76 | 8.10 | 7.42 | 7.50 | |
| Campbell, Bryan | 7.93 | 8.08 | 8.43 | 7.99 | 8.34 | 8.25 | 8.33 | 7.93 | |
| Castillo, George | 7.53 | 7.42 | 7.64 | 7.48 | 7.33 | 7.79 | 7.68 | 7.53 | |
| Dominguez, Lucio | 7.53 | 8.26 | 8.31 | 8.02 | 7.61 | 8.02 | 7.85 | 7.90 | |
| Foecking, Brian | 7.82 | 7.79 | 8.20 | 7.98 | 7.88 | 7.70 | 7.76 | 7.78 | |
| King, Jennifer | 7.61 | 7.63 | 8.00 | 7.72 | 7.70 | 7.80 | 7.60 | 7.58 | |
| Lopez, Frank | 7.51 | 7.67 | 7.55 | 7.61 | 7.52 | 7.55 | 7.52 | 7.44 | |
| Lowsky, John | 7.56 | 7.43 | 7.34 | 7.41 | 7.35 | 7.60 | 7.66 | 7.53 | |
| Price, Gregory | 8.05 | 7.98 | 8.13 | 7.98 | 7.99 | 8.18 | 7.99 | 8.04 | |
| Rodríguez, Jesus (Jesse) | 7.89 | 7.87 | 7.84 | 7.79 | 7.98 | 7.99 | 7.70 | 7.99 | |
| Sanchez, Arthur | 7.25 | 7.37 | 7.46 | 7.41 | 7.33 | 7.74 | 7.49 | 7.50 | |
| Seiz, Ray | 7.46 | 7.36 | 7.71 | 7.31 | 7.15 | 7.67 | 7.50 | 7.07 | |
| Trevino, Robert | 7.62 | 7.57 | 7.71 | 7.72 | 7.63 | 7.68 | 7.76 | 7.56 | |
| Zalewski, John | 7.22 | 8.10 | 8.34 | 8.07 | 8.05 | 7.83 | 8.07 | 7.66 | |
| MAXIMUM | 8.05 | 8.26 | 8.43 | 8.07 | 8.34 | 8.25 | 8.33 | 8.04 | |
| MINIMUM | 7.22 | 7.36 | 7.34 | 7.31 | 7.15 | 7.55 | 7.42 | 7.07 | |
| RANGE(MAX-MIN) | 0.830 | 0.900 | 1.090 | 0.760 | 1.190 | 0.700 | 0.910 | 0.970 | |
| MEAN | 7.609 | 7.738 | 7.901 | 7.732 | 7.664 | 7.849 | 7.719 | 7.621 | |
| STANDARD DEVIATION | 0.240 | 0.281 | 0.327 | 0.248 | 0.321 | 0.207 | 0.242 | 0.253 | |
| N SIZE | 16.000 | | | | | | | | |

Part ID= PTOP - PISTON TOPS

PTOP YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | 1.04 | 0.76 | 0.24 | 0.40 | -0.29 | 0.29 | -0.41 | -0.95 | |
| Barrera, Tony | -0.37 | -0.52 | -0.43 | -0.81 | -0.73 | -0.34 | -0.70 | -0.28 | |
| Broff, Andy | -0.91 | -0.03 | 0.33 | 0.52 | 0.30 | 1.21 | -1.24 | -0.48 | |
| Campbell, Bryan | 1.33 | 1.22 | 1.62 | 1.04 | 2.11 | 1.93 | 2.53 | 1.22 | |
| Castillo, George | -0.33 | -1.13 | -0.80 | -1.02 | -1.04 | -0.29 | -0.16 | -0.36 | |
| Dominguez, Lucio | -0.33 | 1.86 | 1.25 | 1.16 | -0.17 | 0.82 | 0.54 | 1.10 | |
| Foecking, Brian | 0.88 | 0.19 | 0.91 | 1.00 | 0.67 | -0.72 | 0.17 | 0.63 | |
| King, Jennifer | 0.00 | -0.38 | 0.30 | -0.05 | 0.11 | -0.24 | -0.49 | -0.16 | |
| Lopez, Frank | -0.41 | -0.24 | -1.07 | -0.49 | -0.45 | -1.45 | -0.82 | -0.72 | |
| Lowsky, John | -0.21 | -1.09 | -1.71 | -1.30 | -0.98 | -1.20 | -0.24 | -0.36 | |
| Price, Gregory | 1.83 | 0.86 | 0.70 | 1.00 | 1.02 | 1.60 | 1.12 | 1.65 | |
| Rodríguez, Jesus (Jesse) | 1.17 | 0.47 | -0.19 | 0.23 | 0.99 | 0.68 | -0.08 | 1.46 | |
| Sanchez, Arthur | -1.49 | -1.31 | -1.35 | -1.30 | -1.04 | -0.53 | -0.95 | -0.48 | |
| Seiz, Ray | -0.62 | -1.34 | -0.58 | -1.70 | -1.60 | -0.87 | -0.90 | -2.18 | |
| Trevino, Robert | 0.04 | -0.60 | -0.58 | -0.05 | -0.11 | -0.82 | 0.17 | -0.24 | |
| Zalewski, John | -1.62 | 1.29 | 1.34 | 1.36 | 1.20 | -0.09 | 1.45 | 0.15 | |
| MAXIMUM | 1.83 | 1.86 | -1.71 | -1.70 | 2.11 | 1.93 | 2.53 | -2.18 | |
| MINIMUM | 0.00 | -0.03 | -0.19 | -0.05 | -0.11 | -0.09 | -0.08 | 0.15 | |
| RANGE(MAX-MIN) | 1.830 | 1.886 | -1.528 | -1.655 | 2.213 | 2.028 | 2.604 | -2.329 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 16.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= P1-8 - SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Barrera, Tony | 8.63 | 8.45 | 8.14 | 7.92 | 9.05 | 8.73 | 8.75 | 8.79 |
| Broff, Andy | 8.63 | 8.44 | 8.10 | 7.68 | 9.26 | 9.11 | 8.91 | 9.12 |
| Campbell, Bryan | 8.59 | 8.36 | 8.17 | 8.04 | 9.29 | 9.03 | 9.04 | 8.94 |
| Castillo, George | 8.70 | 8.66 | 8.12 | 7.90 | 9.09 | 8.77 | 8.65 | 8.93 |
| DeCapite, Vanessa | 8.70 | 8.49 | 7.97 | 7.78 | 9.46 | 9.10 | 8.86 | 8.95 |
| Foecking, Brian | 8.63 | 8.40 | 7.86 | 7.76 | 9.61 | 9.14 | 8.80 | 8.92 |
| Garza, Juan | 8.46 | 7.96 | 7.71 | 7.64 | 9.10 | 8.73 | 8.38 | 8.38 |
| Greenland, Paul | 8.59 | 8.37 | 8.04 | 7.86 | 9.37 | 9.14 | 8.82 | 8.84 |
| Hurst, Kevin R. | 8.85 | 8.78 | 8.14 | 7.82 | 9.30 | 8.67 | 8.81 | 8.72 |
| King, Jennifer | 9.28 | 9.08 | 8.78 | 8.16 | 9.43 | 9.32 | 9.21 | 9.32 |
| Lopez, Frank | 8.76 | 8.54 | 8.30 | 8.16 | 9.60 | 8.65 | 8.68 | 8.70 |
| Lowsky, John | 8.75 | 8.55 | 8.42 | 8.38 | 9.27 | 8.99 | 8.88 | 9.01 |
| May, Marianne | 8.87 | 8.73 | 8.30 | 7.96 | 9.32 | 9.06 | 8.80 | 8.77 |
| Rodriguez, Jesus (Jesse) | 8.67 | 8.54 | 8.16 | 7.89 | 9.11 | 8.83 | 8.79 | 8.60 |
| Seiz, Ray | 9.04 | 8.71 | 8.27 | 7.65 | 9.35 | 9.05 | 9.04 | 9.20 |
| Trevino, Robert | 8.76 | 8.61 | 8.30 | 8.11 | 9.29 | 9.03 | 8.78 | 8.71 |
| Zalewski, John | 9.04 | 8.77 | 7.99 | 7.90 | 9.21 | 8.81 | 8.38 | 8.97 |
| MAXIMUM | 9.28 | 9.08 | 8.78 | 8.38 | 9.61 | 9.32 | 9.21 | 9.32 |
| MINIMUM | 8.59 | 8.37 | 7.86 | 7.76 | 9.05 | 8.65 | 8.65 | 8.60 |
| RANGE(MAX-MIN) | 0.690 | 0.710 | 0.920 | 0.620 | 0.560 | 0.670 | 0.560 | 0.720 |
| MEAN | 8.766 | 8.600 | 8.211 | 7.975 | 9.325 | 8.953 | 8.819 | 8.855 |
| STANDARD DEVIATION | 0.183 | 0.196 | 0.238 | 0.188 | 0.183 | 0.216 | 0.140 | 0.190 |
| N SIZE | 17.000 | | | | | | | |

Part ID= P1-8 - SEQ. VG PISTONS

P1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Barrera, Tony | -0.74 | -0.77 | -0.30 | -0.29 | -1.50 | -1.03 | -0.50 | -0.34 |
| Broff, Andy | -0.74 | -0.82 | -0.47 | -1.57 | -0.35 | 0.73 | 0.65 | 1.39 |
| Campbell, Bryan | -0.96 | -1.23 | -0.17 | 0.35 | -0.19 | 0.36 | 1.58 | 0.45 |
| Castillo, George | -0.36 | 0.31 | -0.38 | -0.40 | -1.28 | -0.84 | -1.21 | 0.39 |
| DeCapite, Vanessa | -0.36 | -0.56 | -1.01 | -1.04 | 0.74 | 0.68 | 0.29 | 0.50 |
| Foecking, Brian | -0.74 | -1.02 | -1.47 | -1.14 | 1.55 | 0.87 | -0.14 | 0.34 |
| Garza, Juan | -1.67 | -3.27 | -2.11 | -1.78 | -1.23 | -1.03 | -3.15 | -2.49 |
| Greenland, Paul | -0.96 | -1.18 | -0.72 | -0.61 | 0.25 | 0.87 | 0.01 | -0.08 |
| Hurst, Kevin R. | 0.46 | 0.92 | -0.30 | -0.83 | -0.14 | -1.31 | -0.07 | -0.71 |
| King, Jennifer | 2.81 | 2.45 | 2.39 | 0.98 | 0.57 | 1.70 | 2.80 | 2.44 |
| Lopez, Frank | -0.03 | -0.31 | 0.37 | 0.98 | 1.50 | -1.40 | -1.00 | -0.81 |
| Lowsky, John | -0.09 | -0.26 | 0.88 | 2.16 | -0.30 | 0.17 | 0.44 | 0.81 |
| May, Marianne | 0.57 | 0.66 | 0.37 | -0.08 | -0.03 | 0.50 | -0.14 | -0.45 |
| Rodriguez, Jesus (Jesse) | -0.52 | -0.31 | -0.21 | -0.45 | -1.17 | -0.57 | -0.21 | -1.34 |
| Seiz, Ray | 1.50 | 0.56 | 0.25 | -1.73 | 0.14 | 0.45 | 1.58 | 1.81 |
| Trevino, Robert | -0.03 | 0.05 | 0.37 | 0.72 | -0.19 | 0.36 | -0.28 | -0.76 |
| Zalewski, John | 1.50 | 0.87 | -0.93 | -0.40 | -0.63 | -0.66 | -3.15 | 0.60 |
| MAXIMUM | 2.81 | 2.45 | 2.39 | 2.16 | 1.55 | 1.70 | 2.80 | 2.44 |
| MINIMUM | -0.03 | 0.05 | -0.21 | -0.08 | -0.03 | 0.17 | 0.01 | -0.08 |
| RANGE(MAX-MIN) | 2.842 | 2.404 | 2.606 | 2.235 | 1.581 | 1.525 | 2.796 | 2.520 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 17.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= Q1-8 - SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | 8.74 | 8.69 | 8.75 | 8.80 | 8.73 | 8.64 | 8.79 | 8.74 | |
| Cales, Jonathon | 8.94 | 8.84 | 8.88 | 9.04 | 9.08 | 8.92 | 8.86 | 8.96 | |
| Campbell, Bryan | 8.90 | 9.26 | 9.08 | 9.31 | 9.14 | 8.85 | 9.00 | 8.94 | |
| Castillo, George | 8.35 | 8.54 | 8.96 | 8.77 | 8.67 | 8.53 | 8.84 | 8.72 | |
| Dominguez, Lucio | 8.98 | 8.73 | 8.92 | 9.16 | 9.20 | 8.54 | 9.10 | 9.08 | |
| Greenland, Paul | 8.81 | 9.04 | 8.94 | 9.18 | 8.97 | 8.66 | 8.74 | 8.89 | |
| Lopez, Frank | 8.57 | 8.35 | 8.83 | 9.10 | 9.08 | 8.72 | 8.87 | 8.86 | |
| Potocar, William P | 8.87 | 8.81 | 8.92 | 9.05 | 9.10 | 8.86 | 8.87 | 9.07 | |
| Price, Gregory | 8.66 | 8.54 | 8.86 | 9.08 | 8.98 | 8.78 | 8.69 | 8.88 | |
| Rodriguez, Jesus (Jesse) | 8.62 | 8.55 | 8.68 | 8.98 | 8.63 | 8.57 | 8.63 | 8.69 | |
| Trevino, Robert | 8.71 | 8.65 | 8.90 | 8.94 | 8.89 | 8.77 | 8.73 | 8.77 | |
| Veiga, Victor | 9.40 | 9.11 | 9.19 | 9.51 | 9.34 | 9.21 | 9.20 | 9.15 | |
| Zalewski, John | 8.76 | 8.74 | 9.14 | 9.09 | 9.05 | 8.41 | 8.96 | 9.25 | |
| MAXIMUM | 8.98 | 9.04 | 8.96 | 9.18 | 9.20 | 8.92 | 9.10 | 9.08 | |
| MINIMUM | 8.35 | 8.35 | 8.68 | 8.77 | 8.63 | 8.53 | 8.63 | 8.69 | |
| RANGE(MAX-MIN) | 0.630 | 0.690 | 0.280 | 0.410 | 0.570 | 0.390 | 0.470 | 0.390 | |
| MEAN | 8.725 | 8.674 | 8.864 | 9.010 | 8.933 | 8.699 | 8.812 | 8.866 | |
| STANDARD DEVIATION | 0.189 | 0.194 | 0.089 | 0.139 | 0.197 | 0.134 | 0.130 | 0.139 | |
| N SIZE | 13.000 | | | | | | | | |

Part ID= Q1-8 - SEQ. VG PISTONS

Q1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | 0.08 | 0.08 | -1.29 | -1.51 | -1.03 | -0.44 | -0.17 | -0.91 | |
| Cales, Jonathon | 1.14 | 0.85 | 0.18 | 0.22 | 0.75 | 1.65 | 0.37 | 0.68 | |
| Campbell, Bryan | 0.93 | 3.01 | 2.43 | 2.16 | 1.05 | 1.12 | 1.44 | 0.53 | |
| Castillo, George | -1.99 | -0.69 | 1.08 | -1.72 | -1.33 | -1.26 | 0.21 | -1.05 | |
| Dominguez, Lucio | 1.35 | 0.29 | 0.63 | 1.08 | 1.35 | -1.18 | 2.21 | 1.54 | |
| Greenland, Paul | 0.45 | 1.88 | 0.86 | 1.22 | 0.19 | -0.29 | -0.55 | 0.17 | |
| Lopez, Frank | -0.82 | -1.67 | -0.38 | 0.65 | 0.75 | 0.16 | 0.44 | -0.04 | |
| Potocar, William P | 0.77 | 0.70 | 0.63 | 0.29 | 0.85 | 1.20 | 0.44 | 1.47 | |
| Price, Gregory | -0.34 | -0.69 | -0.05 | 0.50 | 0.24 | 0.60 | -0.94 | 0.10 | |
| Rodriguez, Jesus (Jesse) | -0.56 | -0.64 | -2.07 | -0.22 | -1.54 | -0.96 | -1.40 | -1.26 | |
| Trevino, Robert | -0.08 | -0.12 | 0.41 | -0.50 | -0.22 | 0.53 | -0.63 | -0.69 | |
| Veiga, Victor | 3.58 | 2.24 | 3.67 | 3.59 | 2.06 | 3.81 | 2.97 | 2.04 | |
| Zalewski, John | 0.19 | 0.34 | 3.11 | 0.57 | 0.59 | -2.15 | 1.13 | 2.76 | |
| MAXIMUM | -1.99 | 1.88 | -2.07 | -1.72 | -1.54 | 1.65 | 2.21 | 1.54 | |
| MINIMUM | 0.08 | 0.08 | -0.05 | 0.22 | 0.19 | 0.16 | -0.17 | -0.04 | |
| RANGE(MAX-MIN) | -2.069 | 1.800 | -2.029 | -1.940 | -1.724 | 1.489 | 2.376 | 1.580 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 13.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= R1-8 - SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Aguirre, Nancy P | 8.93 | 8.66 | 8.73 | 8.60 | 8.99 | 8.81 | 8.73 | 8.80 |
| Barrera, Tony | 8.77 | 8.60 | 8.34 | 8.32 | 8.83 | 8.45 | 8.36 | 8.47 |
| Cales, Jonathon | 9.15 | 8.86 | 8.50 | 8.46 | 9.24 | 8.74 | 8.64 | 8.82 |
| Caproni, David | 9.22 | 8.88 | 8.78 | 8.74 | 9.22 | 8.83 | 8.77 | 8.88 |
| DeCapite, Vanessa | 9.08 | 8.88 | 8.48 | 8.43 | 9.25 | 8.77 | 8.58 | 8.79 |
| Dominguez, Lucio | 9.20 | 9.11 | 8.68 | 8.69 | 9.40 | 8.99 | 8.78 | 8.86 |
| Hurst, Kevin R. | 9.11 | 8.85 | 8.59 | 8.86 | 9.17 | 8.89 | 8.65 | 8.88 |
| Lonsway, Chris | 8.96 | 8.84 | 8.29 | 8.16 | 9.34 | 8.81 | 8.40 | 8.60 |
| Lowsky, John | 8.73 | 8.79 | 8.72 | 8.60 | 9.21 | 8.83 | 8.62 | 8.89 |
| Potocar, William P | 8.88 | 8.84 | 8.69 | 8.65 | 9.29 | 9.15 | 8.85 | 8.75 |
| Reese, Kyle | 8.90 | 8.48 | 8.42 | 8.41 | 8.98 | 8.51 | 8.55 | 8.48 |
| Sanchez, Arthur | 9.01 | 8.77 | 8.40 | 8.39 | 9.18 | 8.95 | 8.65 | 8.89 |
| Viera, Ralph B. | 9.06 | 8.54 | 8.62 | 8.49 | 9.04 | 8.59 | 8.43 | 8.53 |
| MAXIMUM | 9.22 | 9.11 | 8.78 | 8.86 | 9.40 | 9.15 | 8.85 | 8.89 |
| MINIMUM | 8.73 | 8.54 | 8.29 | 8.16 | 8.83 | 8.45 | 8.36 | 8.47 |
| RANGE(MAX-MIN) | 0.490 | 0.570 | 0.490 | 0.700 | 0.570 | 0.700 | 0.490 | 0.420 |
| MEAN | 9.008 | 8.802 | 8.568 | 8.533 | 9.180 | 8.818 | 8.622 | 8.763 |
| STANDARD DEVIATION | 0.159 | 0.150 | 0.164 | 0.195 | 0.158 | 0.181 | 0.156 | 0.148 |
| N SIZE | 13.000 | | | | | | | |

Part ID= R1-8 - SEQ. VG PISTONS

R1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Aguirre, Nancy P | -0.49 | -0.95 | 0.99 | 0.35 | -1.20 | -0.04 | 0.69 | 0.25 |
| Barrera, Tony | -1.50 | -1.35 | -1.39 | -1.09 | -2.21 | -2.04 | -1.67 | -1.98 |
| Cales, Jonathon | 0.89 | 0.39 | -0.42 | -0.37 | 0.38 | -0.43 | 0.12 | 0.38 |
| Caproni, David | 1.33 | 0.52 | 1.29 | 1.06 | 0.25 | 0.07 | 0.95 | 0.79 |
| DeCapite, Vanessa | 0.45 | 0.52 | -0.54 | -0.52 | 0.44 | -0.26 | -0.27 | 0.18 |
| Dominguez, Lucio | 1.20 | 2.06 | 0.68 | 0.81 | 1.39 | 0.96 | 1.01 | 0.65 |
| Hurst, Kevin R. | 0.64 | 0.32 | 0.13 | 1.68 | -0.06 | 0.40 | 0.18 | 0.79 |
| Lonsway, Chris | -0.30 | 0.26 | -1.70 | -1.91 | 1.01 | -0.04 | -1.42 | -1.10 |
| Lowsky, John | -1.75 | -0.08 | 0.93 | 0.35 | 0.19 | 0.07 | -0.01 | 0.86 |
| Potocar, William P | -0.81 | 0.26 | 0.74 | 0.60 | 0.70 | 1.84 | 1.46 | -0.09 |
| Reese, Kyle | -0.68 | -2.15 | -0.91 | -0.63 | -1.26 | -1.70 | -0.46 | -1.91 |
| Sanchez, Arthur | 0.01 | -0.21 | -1.03 | -0.73 | 0.00 | 0.73 | 0.18 | 0.86 |
| Viera, Ralph B. | 0.32 | -1.75 | 0.32 | -0.22 | -0.88 | -1.26 | -1.23 | -1.58 |
| MAXIMUM | -1.75 | 2.06 | -1.70 | -1.91 | -2.21 | -2.04 | -1.67 | -1.98 |
| MINIMUM | 0.01 | -0.08 | 0.13 | -0.22 | 0.00 | -0.04 | -0.01 | -0.09 |
| RANGE(MAX-MIN) | -1.758 | 2.138 | -1.833 | -1.689 | -2.212 | -1.994 | -1.663 | -1.891 |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| N SIZE | 13.000 | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= S1-8 - SEQ. VG PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Broff, Andy | 8.85 | 8.48 | 8.55 | 8.40 | 7.98 | 8.38 | 8.37 | 8.52 | |
| Caproni, David | 9.07 | 8.82 | 9.06 | 9.00 | 8.80 | 8.82 | 8.90 | 8.94 | |
| Foecking, Brian | 8.69 | 8.48 | 8.55 | 8.72 | 8.63 | 8.51 | 8.68 | 8.53 | |
| King, Jennifer | 9.28 | 9.07 | 9.21 | 9.21 | 8.95 | 9.00 | 9.22 | 9.05 | |
| Langford, Mike | 8.44 | 8.52 | 8.59 | 8.65 | 7.84 | 7.90 | 8.72 | 8.49 | |
| May, Marianne | 8.82 | 8.71 | 8.67 | 8.56 | 8.46 | 8.35 | 8.38 | 8.25 | |
| Price, Gregory | 8.81 | 8.73 | 8.83 | 8.92 | 8.64 | 8.67 | 8.74 | 8.69 | |
| Reese, Kyle | 8.95 | 8.75 | 8.75 | 8.96 | 8.39 | 8.39 | 8.55 | 8.40 | |
| Seiz, Ray | 9.13 | 8.95 | 9.18 | 9.39 | 8.71 | 8.76 | 9.03 | 8.79 | |
| Veiga, Victor | 9.34 | 8.97 | 9.05 | 9.34 | 8.95 | 8.91 | 8.85 | 8.95 | |
| Viera, Ralph B. | 8.80 | 8.13 | 8.64 | 8.55 | 8.34 | 8.17 | 8.04 | 8.09 | |
| MAXIMUM | 9.28 | 9.07 | 9.21 | 9.21 | 8.95 | 9.00 | 9.22 | 9.05 | |
| MINIMUM | 8.44 | 8.13 | 8.55 | 8.55 | 7.84 | 7.90 | 8.04 | 8.09 | |
| RANGE(MAX-MIN) | 0.840 | 0.940 | 0.660 | 0.660 | 1.110 | 1.100 | 1.180 | 0.960 | |
| MEAN | 8.844 | 8.637 | 8.793 | 8.801 | 8.523 | 8.489 | 8.669 | 8.577 | |
| STANDARD DEVIATION | 0.268 | 0.297 | 0.253 | 0.249 | 0.362 | 0.381 | 0.375 | 0.347 | |
| N SIZE | 11.000 | | | | | | | | |

Part ID= S1-8 - SEQ. VG PISTONS

S1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Broff, Andy | 0.02 | -0.53 | -0.96 | -1.61 | -1.50 | -0.28 | -0.80 | -0.16 | |
| Caproni, David | 0.84 | 0.62 | 1.05 | 0.80 | 0.76 | 0.87 | 0.62 | 1.05 | |
| Foecking, Brian | -0.58 | -0.53 | -0.96 | -0.33 | 0.30 | 0.06 | 0.03 | -0.14 | |
| King, Jennifer | 1.62 | 1.46 | 1.65 | 1.64 | 1.18 | 1.34 | 1.47 | 1.36 | |
| Langford, Mike | -1.51 | -0.39 | -0.80 | -0.61 | -1.88 | -1.54 | 0.14 | -0.25 | |
| May, Marianne | -0.09 | 0.25 | -0.48 | -0.97 | -0.17 | -0.36 | -0.77 | -0.94 | |
| Price, Gregory | -0.13 | 0.31 | 0.15 | 0.48 | 0.32 | 0.48 | 0.19 | 0.33 | |
| Reese, Kyle | 0.39 | 0.38 | -0.17 | 0.64 | -0.37 | -0.26 | -0.32 | -0.51 | |
| Seiz, Ray | 1.07 | 1.05 | 1.53 | 2.37 | 0.52 | 0.71 | 0.96 | 0.61 | |
| Veiga, Victor | 1.85 | 1.12 | 1.01 | 2.16 | 1.18 | 1.11 | 0.48 | 1.07 | |
| Viera, Ralph B. | -0.17 | -1.71 | -0.60 | -1.01 | -0.50 | -0.84 | -1.68 | -1.40 | |
| MAXIMUM | 1.62 | -1.71 | 1.65 | 1.64 | -1.88 | -1.54 | -1.68 | -1.40 | |
| MINIMUM | -0.09 | 0.25 | 0.15 | -0.33 | -0.17 | 0.06 | 0.03 | -0.14 | |
| RANGE(MAX-MIN) | 1.715 | -1.951 | 1.499 | 1.969 | -1.711 | -1.600 | -1.707 | -1.268 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 11.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= T1-8 - SEQ. VH PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | 9.38 | 9.37 | 9.20 | 9.14 | 9.68 | 9.67 | 9.66 | 9.68 | |
| Broff, Andy | 8.88 | 9.28 | 8.82 | 8.85 | 9.75 | 9.43 | 9.36 | 9.80 | |
| Campbell, Bryan | 9.62 | 9.53 | 9.42 | 9.52 | 9.68 | 9.58 | 9.55 | 9.69 | |
| Castillo, George | 9.57 | 9.65 | 9.37 | 9.17 | 9.87 | 9.84 | 9.83 | 9.86 | |
| DeCapite, Vanessa | 9.39 | 9.44 | 9.23 | 9.02 | 9.68 | 9.60 | 9.60 | 9.54 | |
| Foecking, Brian | 9.29 | 9.34 | 9.17 | 9.13 | 9.73 | 9.61 | 9.61 | 9.57 | |
| Garza, Juan | 9.39 | 9.55 | 9.39 | 9.13 | 9.80 | 9.71 | 9.73 | 9.83 | |
| Greenland, Paul | 9.47 | 9.52 | 9.27 | 9.08 | 9.85 | 9.81 | 9.83 | 9.84 | |
| King, Jennifer | 9.63 | 9.61 | 9.45 | 9.24 | 9.78 | 9.70 | 9.69 | 9.76 | |
| Kobrinetz, Joaquin J. | 9.33 | 9.46 | 9.04 | 9.05 | 9.80 | 9.67 | 9.74 | 9.75 | |
| Lonsway, Chris | 9.30 | 9.29 | 9.06 | 8.97 | 9.75 | 9.60 | 9.60 | 9.70 | |
| Lopez, Frank | 9.39 | 9.30 | 9.11 | 9.01 | 9.88 | 9.81 | 9.77 | 9.82 | |
| May, Marianne | 9.61 | 9.55 | 9.42 | 9.31 | 9.80 | 9.80 | 9.74 | 9.81 | |
| Price, Gregory | 9.26 | 9.29 | 9.07 | 9.00 | 9.55 | 9.49 | 9.46 | 9.54 | |
| Rodriguez, Jesus (Jesse) | 9.39 | 9.57 | 9.25 | 9.03 | 9.83 | 9.81 | 9.72 | 9.81 | |
| Sanchez, Arthur | 9.34 | 9.47 | 9.23 | 9.20 | 9.75 | 9.74 | 9.70 | 9.74 | |
| Seiz, Ray | 9.69 | 9.58 | 9.38 | 9.38 | 9.80 | 9.67 | 9.73 | 9.73 | |
| Trevino, Robert | 9.62 | 9.63 | 9.44 | 9.34 | 9.82 | 9.82 | 9.78 | 9.83 | |
| Veiga, Victor | 9.66 | 9.69 | 9.62 | 9.57 | 9.89 | 9.82 | 9.81 | 9.88 | |
| Zalewski, John | 9.75 | 9.73 | 9.64 | 9.59 | 9.44 | 9.26 | 9.17 | 9.19 | |
| MAXIMUM | 9.63 | 9.65 | 9.45 | 9.34 | 9.88 | 9.84 | 9.83 | 9.86 | |
| MINIMUM | 9.26 | 9.29 | 9.04 | 8.97 | 9.55 | 9.49 | 9.46 | 9.54 | |
| RANGE(MAX-MIN) | 0.370 | 0.360 | 0.410 | 0.370 | 0.330 | 0.350 | 0.370 | 0.320 | |
| MEAN | 9.426 | 9.464 | 9.236 | 9.121 | 9.769 | 9.712 | 9.695 | 9.732 | |
| STANDARD DEVIATION | 0.130 | 0.129 | 0.141 | 0.118 | 0.089 | 0.109 | 0.102 | 0.112 | |
| N SIZE | 20.000 | | | | | | | | |

Part ID= T1-8 - SEQ. VH PISTONS

T1-8 Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Aguirre, Nancy P | -0.36 | -0.72 | -0.26 | 0.16 | -1.00 | -0.39 | -0.34 | -0.47 | |
| Broff, Andy | -4.20 | -1.42 | -2.95 | -2.29 | -0.22 | -2.59 | -3.28 | 0.61 | |
| Campbell, Bryan | 1.49 | 0.51 | 1.30 | 3.38 | -1.00 | -1.21 | -1.42 | -0.38 | |
| Castillo, George | 1.10 | 1.44 | 0.95 | 0.42 | 1.13 | 1.18 | 1.32 | 1.14 | |
| DeCapite, Vanessa | -0.28 | -0.18 | -0.05 | -0.85 | -1.00 | -1.03 | -0.93 | -1.72 | |
| Foecking, Brian | -1.05 | -0.96 | -0.47 | 0.08 | -0.44 | -0.94 | -0.83 | -1.45 | |
| Garza, Juan | -0.28 | 0.67 | 1.09 | 0.08 | 0.34 | -0.02 | 0.34 | 0.88 | |
| Greenland, Paul | 0.33 | 0.44 | 0.24 | -0.34 | 0.90 | 0.90 | 1.32 | 0.96 | |
| King, Jennifer | 1.56 | 1.13 | 1.51 | 1.01 | 0.12 | -0.11 | -0.05 | 0.25 | |
| Kobrinetz, Joaquin J. | -0.74 | -0.03 | -1.39 | -0.60 | 0.34 | -0.39 | 0.44 | 0.16 | |
| Lonsway, Chris | -0.97 | -1.34 | -1.25 | -1.27 | -0.22 | -1.03 | -0.93 | -0.29 | |
| Lopez, Frank | -0.28 | -1.26 | -0.90 | -0.94 | 1.24 | 0.90 | 0.73 | 0.79 | |
| May, Marianne | 1.41 | 0.67 | 1.30 | 1.60 | 0.34 | 0.81 | 0.44 | 0.70 | |
| Price, Gregory | -1.28 | -1.34 | -1.18 | -1.02 | -2.46 | -2.04 | -2.30 | -1.72 | |
| Rodriguez, Jesus (Jesse) | -0.28 | 0.82 | 0.10 | -0.77 | 0.68 | 0.90 | 0.24 | 0.70 | |
| Sanchez, Arthur | -0.66 | 0.05 | -0.05 | 0.67 | -0.22 | 0.26 | 0.05 | 0.07 | |
| Seiz, Ray | 2.02 | 0.90 | 1.02 | 2.19 | 0.34 | -0.39 | 0.34 | -0.02 | |
| Trevino, Robert | 1.49 | 1.29 | 1.44 | 1.85 | 0.57 | 0.99 | 0.83 | 0.88 | |
| Veiga, Victor | 1.79 | 1.75 | 2.72 | 3.80 | 1.35 | 0.99 | 1.13 | 1.32 | |
| Zalewski, John | 2.49 | 2.06 | 2.86 | 3.97 | -3.69 | -4.16 | -5.14 | -4.85 | |
| MAXIMUM | 1.56 | 1.44 | 1.51 | 1.85 | -2.46 | -2.04 | -2.30 | -1.72 | |
| MINIMUM | -0.28 | -0.03 | -0.05 | 0.08 | 0.12 | -0.11 | -0.05 | 0.07 | |
| RANGE(MAX-MIN) | 1.844 | 1.469 | 1.558 | 1.775 | -2.578 | -1.931 | -2.251 | -1.789 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 20.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= U1-8 - SEQ. VH PISTONS

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Barrera, Tony | 9.03 | 9.13 | 8.92 | 8.79 | 9.44 | 9.14 | 9.11 | 9.21 | |
| Cales, Jonathon | 9.52 | 9.44 | 9.39 | 8.78 | 9.02 | 8.90 | 9.00 | 9.00 | |
| Caproni, David | 9.24 | 9.14 | 9.20 | 9.04 | 9.80 | 9.24 | 9.14 | 9.49 | |
| Dominguez, Lucio | 9.11 | 9.12 | 9.13 | 8.84 | 9.57 | 9.19 | 9.11 | 9.36 | |
| Hurst, Kevin R. | 9.11 | 9.05 | 8.90 | 8.83 | 9.48 | 9.17 | 9.17 | 9.17 | |
| Kobrinetz, Joaquin J. | 8.78 | 8.76 | 8.57 | 8.46 | 9.60 | 8.91 | 8.77 | 9.01 | |
| Lonsway, Chris | 9.06 | 9.05 | 8.78 | 8.60 | 9.53 | 9.22 | 9.09 | 9.24 | |
| Lowsky, John | 9.10 | 9.02 | 8.93 | 8.77 | 9.40 | 8.97 | 8.92 | 9.12 | |
| Potocar, William P | 9.03 | 8.97 | 8.93 | 8.80 | 9.58 | 9.16 | 8.99 | 9.22 | |
| Sanchez, Arthur | 9.10 | 9.00 | 8.88 | 8.78 | 9.50 | 9.16 | 9.01 | 9.23 | |
| Viera, Ralph B. | 8.94 | 8.90 | 8.67 | 8.72 | 9.19 | 8.85 | 8.79 | 8.86 | |
| MAXIMUM | 9.52 | 9.44 | 9.39 | 9.04 | 9.80 | 9.24 | 9.17 | 9.49 | |
| MINIMUM | 8.78 | 8.76 | 8.57 | 8.46 | 9.02 | 8.85 | 8.77 | 8.86 | |
| RANGE(MAX-MIN) | 0.740 | 0.680 | 0.820 | 0.580 | 0.780 | 0.390 | 0.400 | 0.630 | |
| MEAN | 9.093 | 9.053 | 8.936 | 8.765 | 9.465 | 9.083 | 9.009 | 9.174 | |
| STANDARD DEVIATION | 0.183 | 0.170 | 0.234 | 0.145 | 0.209 | 0.144 | 0.135 | 0.174 | |
| N SIZE | 11.000 | | | | | | | | |

Part ID= U1-8 - SEQ. VH PISTONS

U1-8 YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Barrera, Tony | -0.34 | 0.46 | -0.07 | 0.18 | -0.12 | 0.40 | 0.74 | 0.21 | |
| Cales, Jonathon | 2.33 | 2.28 | 1.94 | 0.11 | -2.12 | -1.27 | -0.07 | -1.00 | |
| Caproni, David | 0.80 | 0.51 | 1.13 | 1.90 | 1.60 | 1.09 | 0.97 | 1.81 | |
| Dominguez, Lucio | 0.09 | 0.40 | 0.83 | 0.52 | 0.50 | 0.74 | 0.74 | 1.07 | |
| Hurst, Kevin R. | 0.09 | -0.02 | -0.16 | 0.45 | 0.07 | 0.61 | 1.19 | -0.02 | |
| Kobrinetz, Joaquin J. | -1.71 | -1.73 | -1.57 | -2.10 | 0.65 | -1.20 | -1.77 | -0.94 | |
| Lonsway, Chris | -0.18 | -0.02 | -0.67 | -1.14 | 0.31 | 0.95 | 0.60 | 0.38 | |
| Lowsky, John | 0.04 | -0.19 | -0.03 | 0.04 | -0.31 | -0.78 | -0.66 | -0.31 | |
| Potocar, William P | -0.34 | -0.49 | -0.03 | 0.24 | 0.55 | 0.54 | -0.14 | 0.27 | |
| Sanchez, Arthur | 0.04 | -0.31 | -0.24 | 0.11 | 0.17 | 0.54 | 0.01 | 0.32 | |
| Viera, Ralph B. | -0.83 | -0.90 | -1.14 | -0.31 | -1.31 | -1.61 | -1.62 | -1.80 | |
| MAXIMUM | 2.33 | 2.28 | 1.94 | -2.10 | -2.12 | -1.61 | -1.77 | 1.81 | |
| MINIMUM | 0.04 | -0.02 | -0.03 | 0.04 | 0.07 | 0.40 | 0.01 | -0.02 | |
| RANGE(MAX-MIN) | 2.295 | 2.299 | 1.966 | -2.139 | -2.196 | -2.011 | -1.772 | 1.835 | |
| MEAN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| STANDARD DEVIATION | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| N SIZE | 11.000 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBVL - RC BFL VARN L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.71 | |
| Barrera, Tony | 9.70 | |
| Broff, Andy | 9.90 | |
| Cales, Jonathon | 9.63 | |
| Campbell, Bryan | 9.70 | |
| Caproni, David | 9.75 | |
| Castillo, George | 9.73 | |
| DeCapite, Vanessa | 9.56 | |
| Dominguez, Lucio | 9.67 | |
| Foecking, Brian | 9.68 | |
| Greenland, Paul | 9.68 | |
| Hurst, Kevin R. | 9.82 | |
| King, Jennifer | 9.67 | |
| Kobrinetz, Joaquin J. | 9.64 | |
| Langford, Mike | 9.67 | |
| Lonsway, Chris | 9.67 | |
| Lopez, Frank | 9.75 | |
| Lowsky, John | 9.73 | |
| May, Marianne | 9.70 | |
| Potocar, William P | 9.70 | |
| Price, Gregory | 9.59 | |
| Rodriguez, Jesus (Jesse) | 9.75 | |
| Sanchez, Arthur | 9.34 | |
| Seiz, Ray | 9.70 | |
| Trevino, Robert | 9.75 | |
| Veiga, Victor | 9.78 | |
| Viera, Ralph B. | 9.52 | |
| Zalewski, John | 9.70 | |
| MAXIMUM | 9.82 | |
| MINIMUM | 9.34 | |
| RANGE(MAX-MIN) | 0.480 | |
| MEAN | 9.670 | |
| STANDARD DEVIATION | 0.098 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBVL - RC BFL VARN L

VRCBVL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.41 | |
| Barrera, Tony | 0.31 | |
| Broff, Andy | 2.34 | |
| Cales, Jonathon | -0.41 | |
| Campbell, Bryan | 0.31 | |
| Caproni, David | 0.81 | |
| Castillo, George | 0.61 | |
| DeCapite, Vanessa | -1.12 | |
| Dominguez, Lucio | 0.00 | |
| Foecking, Brian | 0.10 | |
| Greenland, Paul | 0.10 | |
| Hurst, Kevin R. | 1.53 | |
| King, Jennifer | 0.00 | |
| Kobrinetz, Joaquin J. | -0.31 | |
| Langford, Mike | 0.00 | |
| Lonsway, Chris | 0.00 | |
| Lopez, Frank | 0.81 | |
| Lowsky, John | 0.61 | |
| May, Marianne | 0.31 | |
| Potocar, William P | 0.31 | |
| Price, Gregory | -0.81 | |
| Rodriguez, Jesus (Jesse) | 0.81 | |
| Sanchez, Arthur | -3.36 | |
| Seiz, Ray | 0.31 | |
| Trevino, Robert | 0.81 | |
| Veiga, Victor | 1.12 | |
| Viera, Ralph B. | -1.53 | |
| Zalewski, John | 0.31 | |
| MAXIMUM | -3.36 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -3.360 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBVR - RC BFL VARN R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.69 | |
| Barrera, Tony | 9.70 | |
| Broff, Andy | 9.80 | |
| Cales, Jonathon | 9.70 | |
| Campbell, Bryan | 9.57 | |
| Caproni, David | 9.75 | |
| Castillo, George | 9.75 | |
| DeCapite, Vanessa | 9.56 | |
| Dominguez, Lucio | 9.62 | |
| Foecking, Brian | 9.73 | |
| Greenland, Paul | 9.70 | |
| Hurst, Kevin R. | 9.79 | |
| King, Jennifer | 9.70 | |
| Kobrinetz, Joaquin J. | 9.64 | |
| Langford, Mike | 9.70 | |
| Lonsway, Chris | 9.72 | |
| Lopez, Frank | 9.75 | |
| Lowsky, John | 9.73 | |
| May, Marianne | 9.68 | |
| Potocar, William P | 9.75 | |
| Price, Gregory | 9.57 | |
| Rodriguez, Jesus (Jesse) | 9.75 | |
| Sanchez, Arthur | 9.51 | |
| Seiz, Ray | 9.70 | |
| Trevino, Robert | 9.75 | |
| Veiga, Victor | 9.78 | |
| Viera, Ralph B. | 9.53 | |
| Zalewski, John | 9.70 | |
| MAXIMUM | 9.79 | |
| MINIMUM | 9.51 | |
| RANGE(MAX-MIN) | 0.280 | |
| MEAN | 9.686 | |
| STANDARD DEVIATION | 0.078 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBVR - RC BFL VARN R

VRCBVR Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | AVERAG | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.06 | |
| Barrera, Tony | 0.18 | |
| Broff, Andy | 1.47 | |
| Cales, Jonathon | 0.18 | |
| Campbell, Bryan | -1.49 | |
| Caproni, David | 0.83 | |
| Castillo, George | 0.83 | |
| DeCapite, Vanessa | -1.62 | |
| Dominguez, Lucio | -0.85 | |
| Foecking, Brian | 0.57 | |
| Greenland, Paul | 0.18 | |
| Hurst, Kevin R. | 1.34 | |
| King, Jennifer | 0.18 | |
| Kobrinetz, Joaquin J. | -0.59 | |
| Langford, Mike | 0.18 | |
| Lonsway, Chris | 0.44 | |
| Lopez, Frank | 0.83 | |
| Lowsky, John | 0.57 | |
| May, Marianne | -0.07 | |
| Potocar, William P | 0.83 | |
| Price, Gregory | -1.49 | |
| Rodriguez, Jesus (Jesse) | 0.83 | |
| Sanchez, Arthur | -2.26 | |
| Seiz, Ray | 0.18 | |
| Trevino, Robert | 0.83 | |
| Veiga, Victor | 1.22 | |
| Viera, Ralph B. | -2.01 | |
| Zalewski, John | 0.18 | |
| MAXIMUM | -2.26 | |
| MINIMUM | 0.06 | |
| RANGE(MAX-MIN) | -2.319 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBL - RC BFL SLUDGE L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 7.82 | |
| Barrera, Tony | 7.70 | |
| Broff, Andy | 8.12 | |
| Cales, Jonathon | 8.16 | |
| Campbell, Bryan | 8.66 | |
| Caproni, David | 8.05 | |
| Castillo, George | 7.98 | |
| DeCapite, Vanessa | 8.22 | |
| Dominguez, Lucio | 8.27 | |
| Foecking, Brian | 8.16 | |
| Greenland, Paul | 8.12 | |
| Hurst, Kevin R. | 8.16 | |
| King, Jennifer | 7.63 | |
| Kobrinetz, Joaquin J. | 8.12 | |
| Langford, Mike | 8.09 | |
| Lonsway, Chris | 8.16 | |
| Lopez, Frank | 8.05 | |
| Lowsky, John | 7.95 | |
| May, Marianne | 7.61 | |
| Potocar, William P | 8.38 | |
| Price, Gregory | 8.01 | |
| Rodriguez, Jesus (Jesse) | 7.61 | |
| Sanchez, Arthur | 7.06 | |
| Seiz, Ray | 7.52 | |
| Trevino, Robert | 7.63 | |
| Veiga, Victor | 8.16 | |
| Viera, Ralph B. | 7.82 | |
| Zalewski, John | 7.59 | |
| MAXIMUM | 8.66 | |
| MINIMUM | 7.06 | |
| RANGE(MAX-MIN) | 1.600 | |
| MEAN | 7.958 | |
| STANDARD DEVIATION | 0.325 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBL - RC BFL SLUDGE L

VRCBL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | -0.42 | |
| Barrera, Tony | -0.79 | |
| Broff, Andy | 0.50 | |
| Cales, Jonathon | 0.62 | |
| Campbell, Bryan | 2.16 | |
| Caproni, David | 0.28 | |
| Castillo, George | 0.07 | |
| DeCapite, Vanessa | 0.81 | |
| Dominguez, Lucio | 0.96 | |
| Foecking, Brian | 0.62 | |
| Greenland, Paul | 0.50 | |
| Hurst, Kevin R. | 0.62 | |
| King, Jennifer | -1.01 | |
| Kobrinetz, Joaquin J. | 0.50 | |
| Langford, Mike | 0.41 | |
| Lonsway, Chris | 0.62 | |
| Lopez, Frank | 0.28 | |
| Lowsky, John | -0.02 | |
| May, Marianne | -1.07 | |
| Potocar, William P | 1.30 | |
| Price, Gregory | 0.16 | |
| Rodriguez, Jesus (Jesse) | -1.07 | |
| Sanchez, Arthur | -2.76 | |
| Seiz, Ray | -1.35 | |
| Trevino, Robert | -1.01 | |
| Veiga, Victor | 0.62 | |
| Viera, Ralph B. | -0.42 | |
| Zalewski, John | -1.13 | |
| MAXIMUM | -2.76 | |
| MINIMUM | -0.02 | |
| RANGE(MAX-MIN) | -2.738 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBR - RC BFL SLUDGE R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 7.72 | |
| Barrera, Tony | 6.93 | |
| Broff, Andy | 8.12 | |
| Cales, Jonathon | 8.05 | |
| Campbell, Bryan | 7.79 | |
| Caproni, David | 8.12 | |
| Castillo, George | 7.50 | |
| DeCapite, Vanessa | 8.19 | |
| Dominguez, Lucio | 7.82 | |
| Foecking, Brian | 8.12 | |
| Greenland, Paul | 7.66 | |
| Hurst, Kevin R. | 8.12 | |
| King, Jennifer | 7.50 | |
| Kobrinetz, Joaquin J. | 8.02 | |
| Langford, Mike | 7.87 | |
| Lonsway, Chris | 7.95 | |
| Lopez, Frank | 7.94 | |
| Lowsky, John | 7.82 | |
| May, Marianne | 7.61 | |
| Potocar, William P | 8.15 | |
| Price, Gregory | 7.85 | |
| Rodriguez, Jesus (Jesse) | 7.41 | |
| Sanchez, Arthur | 7.39 | |
| Seiz, Ray | 6.84 | |
| Trevino, Robert | 7.55 | |
| Veiga, Victor | 8.12 | |
| Viera, Ralph B. | 7.52 | |
| Zalewski, John | 7.34 | |
| MAXIMUM | 8.19 | |
| MINIMUM | 6.84 | |
| RANGE(MAX-MIN) | 1.350 | |
| MEAN | 7.751 | |
| STANDARD DEVIATION | 0.359 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCBR - RC BFL SLUDGE R

VRCBR Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | -0.09 | |
| Barrera, Tony | -2.29 | |
| Broff, Andy | 1.03 | |
| Cales, Jonathon | 0.83 | |
| Campbell, Bryan | 0.11 | |
| Caproni, David | 1.03 | |
| Castillo, George | -0.70 | |
| DeCapite, Vanessa | 1.22 | |
| Dominguez, Lucio | 0.19 | |
| Foecking, Brian | 1.03 | |
| Greenland, Paul | -0.25 | |
| Hurst, Kevin R. | 1.03 | |
| King, Jennifer | -0.70 | |
| Kobrinetz, Joaquin J. | 0.75 | |
| Langford, Mike | 0.33 | |
| Lonsway, Chris | 0.56 | |
| Lopez, Frank | 0.53 | |
| Lowsky, John | 0.19 | |
| May, Marianne | -0.39 | |
| Potocar, William P | 1.11 | |
| Price, Gregory | 0.28 | |
| Rodriguez, Jesus (Jesse) | -0.95 | |
| Sanchez, Arthur | -1.01 | |
| Seiz, Ray | -2.54 | |
| Trevino, Robert | -0.56 | |
| Veiga, Victor | 1.03 | |
| Viera, Ralph B. | -0.64 | |
| Zalewski, John | -1.15 | |
| MAXIMUM | -2.54 | |
| MINIMUM | -0.09 | |
| RANGE(MAX-MIN) | -2.454 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCL - RC SLUDGE L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.36 | |
| Barrera, Tony | 9.32 | |
| Broff, Andy | 9.44 | |
| Cales, Jonathon | 9.35 | |
| Campbell, Bryan | 9.24 | |
| Caproni, David | 9.25 | |
| Castillo, George | 9.22 | |
| DeCapite, Vanessa | 9.38 | |
| Dominguez, Lucio | 9.33 | |
| Foecking, Brian | 9.38 | |
| Greenland, Paul | 9.37 | |
| Hurst, Kevin R. | 9.40 | |
| King, Jennifer | 9.21 | |
| Kobrinetz, Joaquin J. | 9.25 | |
| Langford, Mike | 9.39 | |
| Lonsway, Chris | 9.34 | |
| Lopez, Frank | 9.33 | |
| Lowsky, John | 9.39 | |
| May, Marianne | 9.21 | |
| Potocar, William P | 9.31 | |
| Price, Gregory | 9.31 | |
| Rodriguez, Jesus (Jesse) | 9.14 | |
| Sanchez, Arthur | 9.24 | |
| Seiz, Ray | 9.29 | |
| Trevino, Robert | 9.32 | |
| Veiga, Victor | 9.43 | |
| Viera, Ralph B. | 9.15 | |
| Zalewski, John | 9.33 | |
| MAXIMUM | 9.44 | |
| MINIMUM | 9.14 | |
| RANGE(MAX-MIN) | 0.300 | |
| MEAN | 9.310 | |
| STANDARD DEVIATION | 0.080 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRCL - RC SLUDGE L

VRCL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.63 | |
| Barrera, Tony | 0.13 | |
| Broff, Andy | 1.63 | |
| Cales, Jonathon | 0.50 | |
| Campbell, Bryan | -0.88 | |
| Caproni, David | -0.75 | |
| Castillo, George | -1.13 | |
| DeCapite, Vanessa | 0.88 | |
| Dominguez, Lucio | 0.25 | |
| Foecking, Brian | 0.88 | |
| Greenland, Paul | 0.75 | |
| Hurst, Kevin R. | 1.13 | |
| King, Jennifer | -1.25 | |
| Kobrinetz, Joaquin J. | -0.75 | |
| Langford, Mike | 1.00 | |
| Lonsway, Chris | 0.38 | |
| Lopez, Frank | 0.25 | |
| Lowsky, John | 1.00 | |
| May, Marianne | -1.25 | |
| Potocar, William P | 0.00 | |
| Price, Gregory | 0.00 | |
| Rodriguez, Jesus (Jesse) | -2.13 | |
| Sanchez, Arthur | -0.88 | |
| Seiz, Ray | -0.25 | |
| Trevino, Robert | 0.13 | |
| Veiga, Victor | 1.50 | |
| Viera, Ralph B. | -2.00 | |
| Zalewski, John | 0.25 | |
| MAXIMUM | -2.13 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -2.130 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRRCR - RC SLUDGE R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.52 | |
| Barrera, Tony | 9.47 | |
| Broff, Andy | 9.86 | |
| Cales, Jonathon | 9.33 | |
| Campbell, Bryan | 9.46 | |
| Caproni, David | 9.31 | |
| Castillo, George | 9.27 | |
| DeCapite, Vanessa | 9.50 | |
| Dominguez, Lucio | 9.42 | |
| Foecking, Brian | 9.51 | |
| Greenland, Paul | 9.38 | |
| Hurst, Kevin R. | 9.47 | |
| King, Jennifer | 9.08 | |
| Kobrinetz, Joaquin J. | 9.35 | |
| Langford, Mike | 9.34 | |
| Lonsway, Chris | 9.43 | |
| Lopez, Frank | 9.39 | |
| Lowsky, John | 9.45 | |
| May, Marianne | 9.51 | |
| Potocar, William P | 9.45 | |
| Price, Gregory | 9.44 | |
| Rodriguez, Jesus (Jesse) | 9.31 | |
| Sanchez, Arthur | 9.42 | |
| Seiz, Ray | 9.27 | |
| Trevino, Robert | 9.49 | |
| Veiga, Victor | 9.40 | |
| Viera, Ralph B. | 9.58 | |
| Zalewski, John | 9.48 | |
| MAXIMUM | 9.86 | |
| MINIMUM | 9.08 | |
| RANGE(MAX-MIN) | 0.780 | |
| MEAN | 9.425 | |
| STANDARD DEVIATION | 0.133 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VRRCR - RC SLUDGE R

VRRCR YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.72 | |
| Barrera, Tony | 0.34 | |
| Broff, Andy | 3.28 | |
| Cales, Jonathon | -0.71 | |
| Campbell, Bryan | 0.27 | |
| Caproni, David | -0.86 | |
| Castillo, George | -1.17 | |
| DeCapite, Vanessa | 0.57 | |
| Dominguez, Lucio | -0.04 | |
| Foecking, Brian | 0.64 | |
| Greenland, Paul | -0.34 | |
| Hurst, Kevin R. | 0.34 | |
| King, Jennifer | -2.60 | |
| Kobrinetz, Joaquin J. | -0.56 | |
| Langford, Mike | -0.64 | |
| Lonsway, Chris | 0.04 | |
| Lopez, Frank | -0.26 | |
| Lowsky, John | 0.19 | |
| May, Marianne | 0.64 | |
| Potocar, William P | 0.19 | |
| Price, Gregory | 0.12 | |
| Rodriguez, Jesus (Jesse) | -0.86 | |
| Sanchez, Arthur | -0.04 | |
| Seiz, Ray | -1.17 | |
| Trevino, Robert | 0.49 | |
| Veiga, Victor | -0.19 | |
| Viera, Ralph B. | 1.17 | |
| Zalewski, John | 0.42 | |
| MAXIMUM | 3.28 | |
| MINIMUM | -0.04 | |
| RANGE(MAX-MIN) | 3.315 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VTCC - TC CVR SLUDGE

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 8.52 | |
| Barrera, Tony | 8.64 | |
| Broff, Andy | 9.16 | |
| Cales, Jonathon | 8.94 | |
| Campbell, Bryan | 8.66 | |
| Caproni, David | 9.00 | |
| Castillo, George | 8.43 | |
| DeCapite, Vanessa | 8.88 | |
| Dominguez, Lucio | 8.66 | |
| Foecking, Brian | 8.96 | |
| Greenland, Paul | 8.83 | |
| Hurst, Kevin R. | 8.77 | |
| King, Jennifer | 8.05 | |
| Kobrinetz, Joaquin J. | 8.70 | |
| Langford, Mike | 8.77 | |
| Lonsway, Chris | 9.01 | |
| Lopez, Frank | 8.89 | |
| Lowsky, John | 8.38 | |
| May, Marianne | 8.33 | |
| Potocar, William P | 9.08 | |
| Price, Gregory | 9.07 | |
| Rodriguez, Jesus (Jesse) | 8.05 | |
| Sanchez, Arthur | 8.32 | |
| Seiz, Ray | 8.29 | |
| Trevino, Robert | 8.73 | |
| Veiga, Victor | 9.02 | |
| Viera, Ralph B. | 8.55 | |
| Zalewski, John | 8.56 | |
| MAXIMUM | 9.16 | |
| MINIMUM | 8.05 | |
| RANGE(MAX-MIN) | 1.110 | |
| MEAN | 8.688 | |
| STANDARD DEVIATION | 0.307 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VTCC - TC CVR SLUDGE

VTCC Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | -0.55 | |
| Barrera, Tony | -0.15 | |
| Broff, Andy | 1.54 | |
| Cales, Jonathon | 0.82 | |
| Campbell, Bryan | -0.09 | |
| Caproni, David | 1.02 | |
| Castillo, George | -0.84 | |
| DeCapite, Vanessa | 0.63 | |
| Dominguez, Lucio | -0.09 | |
| Foecking, Brian | 0.89 | |
| Greenland, Paul | 0.46 | |
| Hurst, Kevin R. | 0.27 | |
| King, Jennifer | -2.07 | |
| Kobrinetz, Joaquin J. | 0.04 | |
| Langford, Mike | 0.27 | |
| Lonsway, Chris | 1.05 | |
| Lopez, Frank | 0.66 | |
| Lowsky, John | -1.00 | |
| May, Marianne | -1.16 | |
| Potocar, William P | 1.28 | |
| Price, Gregory | 1.24 | |
| Rodriguez, Jesus (Jesse) | -2.07 | |
| Sanchez, Arthur | -1.20 | |
| Seiz, Ray | -1.29 | |
| Trevino, Robert | 0.14 | |
| Veiga, Victor | 1.08 | |
| Viera, Ralph B. | -0.45 | |
| Zalewski, John | -0.41 | |
| MAXIMUM | -2.07 | |
| MINIMUM | 0.04 | |
| RANGE(MAX-MIN) | -2.115 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVDL - VALVE DECK SLUDGE L

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 8.32 | |
| Barrera, Tony | 8.06 | |
| Broff, Andy | 8.60 | |
| Cales, Jonathon | 8.25 | |
| Campbell, Bryan | 7.32 | |
| Caproni, David | 8.24 | |
| Castillo, George | 7.91 | |
| DeCapite, Vanessa | 8.30 | |
| Dominguez, Lucio | 7.91 | |
| Foecking, Brian | 8.24 | |
| Greenland, Paul | 8.15 | |
| Hurst, Kevin R. | 8.66 | |
| King, Jennifer | 8.01 | |
| Kobrinetz, Joaquin J. | 8.05 | |
| Langford, Mike | 8.18 | |
| Lonsway, Chris | 8.36 | |
| Lopez, Frank | 8.35 | |
| Lowsky, John | 8.21 | |
| May, Marianne | 8.08 | |
| Potocar, William P | 8.32 | |
| Price, Gregory | 7.80 | |
| Rodriguez, Jesus (Jesse) | 7.87 | |
| Sanchez, Arthur | 8.32 | |
| Seiz, Ray | 8.08 | |
| Trevino, Robert | 8.15 | |
| Veiga, Victor | 8.70 | |
| Viera, Ralph B. | 7.98 | |
| Zalewski, John | 8.37 | |
| MAXIMUM | 8.70 | |
| MINIMUM | 7.32 | |
| RANGE(MAX-MIN) | 1.380 | |
| MEAN | 8.171 | |
| STANDARD DEVIATION | 0.279 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVDL - VALVE DECK SLUDGE L

VVDL Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.53 | |
| Barrera, Tony | -0.40 | |
| Broff, Andy | 1.54 | |
| Cales, Jonathon | 0.28 | |
| Campbell, Bryan | -3.05 | |
| Caproni, David | 0.25 | |
| Castillo, George | -0.93 | |
| DeCapite, Vanessa | 0.46 | |
| Dominguez, Lucio | -0.93 | |
| Foecking, Brian | 0.25 | |
| Greenland, Paul | -0.08 | |
| Hurst, Kevin R. | 1.75 | |
| King, Jennifer | -0.58 | |
| Kobrinetz, Joaquin J. | -0.43 | |
| Langford, Mike | 0.03 | |
| Lonsway, Chris | 0.68 | |
| Lopez, Frank | 0.64 | |
| Lowsky, John | 0.14 | |
| May, Marianne | -0.33 | |
| Potocar, William P | 0.53 | |
| Price, Gregory | -1.33 | |
| Rodriguez, Jesus (Jesse) | -1.08 | |
| Sanchez, Arthur | 0.53 | |
| Seiz, Ray | -0.33 | |
| Trevino, Robert | -0.08 | |
| Veiga, Victor | 1.89 | |
| Viera, Ralph B. | -0.68 | |
| Zalewski, John | 0.71 | |
| MAXIMUM | -3.05 | |
| MINIMUM | 0.03 | |
| RANGE(MAX-MIN) | -3.079 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVDR - VALVE DECK SLUDGE R

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 7.81 | |
| Barrera, Tony | 7.71 | |
| Broff, Andy | 7.99 | |
| Cales, Jonathon | 7.70 | |
| Campbell, Bryan | 7.07 | |
| Caproni, David | 7.86 | |
| Castillo, George | 7.57 | |
| DeCapite, Vanessa | 7.80 | |
| Dominguez, Lucio | 7.55 | |
| Foecking, Brian | 7.91 | |
| Greenland, Paul | 7.80 | |
| Hurst, Kevin R. | 7.87 | |
| King, Jennifer | 7.54 | |
| Kobrinetz, Joaquin J. | 7.76 | |
| Langford, Mike | 7.76 | |
| Lonsway, Chris | 7.89 | |
| Lopez, Frank | 7.84 | |
| Lowsky, John | 7.44 | |
| May, Marianne | 7.72 | |
| Potocar, William P | 7.76 | |
| Price, Gregory | 7.64 | |
| Rodriguez, Jesus (Jesse) | 7.63 | |
| Sanchez, Arthur | 7.93 | |
| Seiz, Ray | 7.62 | |
| Trevino, Robert | 7.72 | |
| Veiga, Victor | 7.87 | |
| Viera, Ralph B. | 7.36 | |
| Zalewski, John | 7.61 | |
| MAXIMUM | 7.99 | |
| MINIMUM | 7.07 | |
| RANGE(MAX-MIN) | 0.920 | |
| MEAN | 7.705 | |
| STANDARD DEVIATION | 0.195 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VVDR - VALVE DECK SLUDGE R

VVDR YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.54 | |
| Barrera, Tony | 0.03 | |
| Broff, Andy | 1.46 | |
| Cales, Jonathon | -0.02 | |
| Campbell, Bryan | -3.25 | |
| Caproni, David | 0.79 | |
| Castillo, George | -0.69 | |
| DeCapite, Vanessa | 0.49 | |
| Dominguez, Lucio | -0.79 | |
| Foecking, Brian | 1.05 | |
| Greenland, Paul | 0.49 | |
| Hurst, Kevin R. | 0.85 | |
| King, Jennifer | -0.84 | |
| Kobrinetz, Joaquin J. | 0.28 | |
| Langford, Mike | 0.28 | |
| Lonsway, Chris | 0.95 | |
| Lopez, Frank | 0.69 | |
| Lowsky, John | -1.35 | |
| May, Marianne | 0.08 | |
| Potocar, William P | 0.28 | |
| Price, Gregory | -0.33 | |
| Rodriguez, Jesus (Jesse) | -0.38 | |
| Sanchez, Arthur | 1.15 | |
| Seiz, Ray | -0.43 | |
| Trevino, Robert | 0.08 | |
| Veiga, Victor | 0.85 | |
| Viera, Ralph B. | -1.76 | |
| Zalewski, John | -0.48 | |
| MAXIMUM | -3.25 | |
| MINIMUM | -0.02 | |
| RANGE(MAX-MIN) | -3.223 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VOP - OIL PAN SLUDGE

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.43 | |
| Barrera, Tony | 9.62 | |
| Broff, Andy | 9.89 | |
| Cales, Jonathon | 9.39 | |
| Campbell, Bryan | 9.45 | |
| Caproni, David | 9.50 | |
| Castillo, George | 9.59 | |
| DeCapite, Vanessa | 9.51 | |
| Dominguez, Lucio | 9.67 | |
| Foecking, Brian | 9.53 | |
| Greenland, Paul | 9.55 | |
| Hurst, Kevin R. | 9.67 | |
| King, Jennifer | 9.45 | |
| Kobrinetz, Joaquin J. | 9.42 | |
| Langford, Mike | 9.55 | |
| Lonsway, Chris | 9.43 | |
| Lopez, Frank | 9.54 | |
| Lowsky, John | 9.65 | |
| May, Marianne | 9.45 | |
| Potocar, William P | 9.42 | |
| Price, Gregory | 9.49 | |
| Rodriguez, Jesus (Jesse) | 9.58 | |
| Sanchez, Arthur | 9.49 | |
| Seiz, Ray | 9.52 | |
| Trevino, Robert | 9.59 | |
| Veiga, Victor | 9.67 | |
| Viera, Ralph B. | 9.66 | |
| Zalewski, John | 9.60 | |
| MAXIMUM | 9.89 | |
| MINIMUM | 9.39 | |
| RANGE(MAX-MIN) | 0.500 | |
| MEAN | 9.547 | |
| STANDARD DEVIATION | 0.109 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VOP - OIL PAN SLUDGE

VOP YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | -1.07 | |
| Barrera, Tony | 0.67 | |
| Broff, Andy | 3.14 | |
| Cales, Jonathon | -1.43 | |
| Campbell, Bryan | -0.88 | |
| Caproni, David | -0.43 | |
| Castillo, George | 0.40 | |
| DeCapite, Vanessa | -0.34 | |
| Dominguez, Lucio | 1.13 | |
| Foecking, Brian | -0.15 | |
| Greenland, Paul | 0.03 | |
| Hurst, Kevin R. | 1.13 | |
| King, Jennifer | -0.88 | |
| Kobrinetz, Joaquin J. | -1.16 | |
| Langford, Mike | 0.03 | |
| Lonsway, Chris | -1.07 | |
| Lopez, Frank | -0.06 | |
| Lowsky, John | 0.94 | |
| May, Marianne | -0.88 | |
| Potocar, William P | -1.16 | |
| Price, Gregory | -0.52 | |
| Rodriguez, Jesus (Jesse) | 0.30 | |
| Sanchez, Arthur | -0.52 | |
| Seiz, Ray | -0.24 | |
| Trevino, Robert | 0.40 | |
| Veiga, Victor | 1.13 | |
| Viera, Ralph B. | 1.04 | |
| Zalewski, John | 0.49 | |
| MAXIMUM | 3.14 | |
| MINIMUM | 0.03 | |
| RANGE(MAX-MIN) | 3.109 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VOPB - OIL PAN BFL SLUDGE

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 9.53 | |
| Barrera, Tony | 9.59 | |
| Broff, Andy | 9.75 | |
| Cales, Jonathon | 9.47 | |
| Campbell, Bryan | 9.54 | |
| Caproni, David | 9.50 | |
| Castillo, George | 9.55 | |
| DeCapite, Vanessa | 9.57 | |
| Dominguez, Lucio | 9.55 | |
| Foecking, Brian | 9.54 | |
| Greenland, Paul | 9.50 | |
| Hurst, Kevin R. | 9.54 | |
| King, Jennifer | 9.25 | |
| Kobrinetz, Joaquin J. | 9.55 | |
| Langford, Mike | 9.53 | |
| Lonsway, Chris | 9.50 | |
| Lopez, Frank | 9.59 | |
| Lowsky, John | 9.47 | |
| May, Marianne | 9.47 | |
| Potocar, William P | 9.43 | |
| Price, Gregory | 9.43 | |
| Rodriguez, Jesus (Jesse) | 9.71 | |
| Sanchez, Arthur | 9.60 | |
| Seiz, Ray | 9.53 | |
| Trevino, Robert | 9.51 | |
| Veiga, Victor | 9.54 | |
| Viera, Ralph B. | 9.54 | |
| Zalewski, John | 9.57 | |
| MAXIMUM | 9.75 | |
| MINIMUM | 9.25 | |
| RANGE(MAX-MIN) | 0.500 | |
| MEAN | 9.530 | |
| STANDARD DEVIATION | 0.088 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= VOPB - OIL PAN BFL SLUDGE

VOPB Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | TOTALS | |
|--------------------------|--------|--|
| Aguirre, Nancy P | 0.00 | |
| Barrera, Tony | 0.68 | |
| Broff, Andy | 2.49 | |
| Cales, Jonathon | -0.68 | |
| Campbell, Bryan | 0.11 | |
| Caproni, David | -0.34 | |
| Castillo, George | 0.22 | |
| DeCapite, Vanessa | 0.45 | |
| Dominguez, Lucio | 0.22 | |
| Foecking, Brian | 0.11 | |
| Greenland, Paul | -0.34 | |
| Hurst, Kevin R. | 0.11 | |
| King, Jennifer | -3.18 | |
| Kobrinetz, Joaquin J. | 0.22 | |
| Langford, Mike | 0.00 | |
| Lonsway, Chris | -0.34 | |
| Lopez, Frank | 0.68 | |
| Lowsky, John | -0.68 | |
| May, Marianne | -0.68 | |
| Potocar, William P | -1.14 | |
| Price, Gregory | -1.14 | |
| Rodriguez, Jesus (Jesse) | 2.04 | |
| Sanchez, Arthur | 0.79 | |
| Seiz, Ray | 0.00 | |
| Trevino, Robert | -0.23 | |
| Veiga, Victor | 0.11 | |
| Viera, Ralph B. | 0.11 | |
| Zalewski, John | 0.45 | |
| MAXIMUM | -3.18 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -3.174 | |
| MEAN | 0.000 | |
| STANDARD DEVIATION | 1.000 | |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= OILSCR - OIL SCREEN

Rated Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 |
|--------------------------|--------|-------|
| Aguirre, Nancy P | 8.00 | 2.00 |
| Barrera, Tony | 4.00 | 1.00 |
| Broff, Andy | 7.00 | 7.00 |
| Cales, Jonathon | 7.00 | 1.00 |
| Campbell, Bryan | 7.00 | 1.00 |
| Caproni, David | 7.00 | 1.00 |
| Castillo, George | 6.00 | 1.00 |
| DeCapite, Vanessa | 6.00 | 2.00 |
| Dominguez, Lucio | 1.00 | 6.00 |
| Foecking, Brian | 7.00 | 2.00 |
| Greenland, Paul | 6.00 | 1.00 |
| Hurst, Kevin R. | 7.00 | 2.00 |
| King, Jennifer | 4.00 | 1.00 |
| Kobrinetz, Joaquin J. | 7.00 | 2.00 |
| Langford, Mike | 6.00 | 2.00 |
| Lonsway, Chris | 4.00 | 1.00 |
| Lopez, Frank | 7.00 | 1.00 |
| Lowsky, John | 4.00 | 1.00 |
| May, Marianne | 8.00 | 2.00 |
| Potocar, William P | 7.00 | 1.00 |
| Price, Gregory | 7.00 | 3.00 |
| Rodriguez, Jesus (Jesse) | 0.00 | 3.00 |
| Sanchez, Arthur | 7.00 | 2.00 |
| Seiz, Ray | 7.00 | 2.00 |
| Trevino, Robert | 8.00 | 2.00 |
| Veiga, Victor | 6.00 | 2.00 |
| Viera, Ralph B. | 5.00 | 1.00 |
| Zalewski, John | 5.00 | 1.00 |
| MAXIMUM | 8.00 | 7.00 |
| MINIMUM | 0.00 | 1.00 |
| RANGE(MAX-MIN) | 8.000 | 6.000 |
| MEAN | 5.893 | 1.929 |
| STANDARD DEVIATION | 1.950 | 1.438 |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Part ID= OILSCR - OIL SCREEN

OILSCR Y1 Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| Rater | P1 | P2 |
|--------------------------|--------|-------|
| Aguirre, Nancy P | 1.08 | 0.05 |
| Barrera, Tony | -0.97 | -0.65 |
| Broff, Andy | 0.57 | 3.53 |
| Cales, Jonathon | 0.57 | -0.65 |
| Campbell, Bryan | 0.57 | -0.65 |
| Caproni, David | 0.57 | -0.65 |
| Castillo, George | 0.05 | -0.65 |
| DeCapite, Vanessa | 0.05 | 0.05 |
| Dominguez, Lucio | -2.51 | 2.83 |
| Foecking, Brian | 0.57 | 0.05 |
| Greenland, Paul | 0.05 | -0.65 |
| Hurst, Kevin R. | 0.57 | 0.05 |
| King, Jennifer | -0.97 | -0.65 |
| Kobrinetz, Joaquin J. | 0.57 | 0.05 |
| Langford, Mike | 0.05 | 0.05 |
| Lonsway, Chris | -0.97 | -0.65 |
| Lopez, Frank | 0.57 | -0.65 |
| Lowsky, John | -0.97 | -0.65 |
| May, Marianne | 1.08 | 0.05 |
| Potocar, William P | 0.57 | -0.65 |
| Price, Gregory | 0.57 | 0.74 |
| Rodriguez, Jesus (Jesse) | -3.02 | 0.74 |
| Sanchez, Arthur | 0.57 | 0.05 |
| Seiz, Ray | 0.57 | 0.05 |
| Trevino, Robert | 1.08 | 0.05 |
| Veiga, Victor | 0.05 | 0.05 |
| Viera, Ralph B. | -0.46 | -0.65 |
| Zalewski, John | -0.46 | -0.65 |
| MAXIMUM | -3.02 | 3.53 |
| MINIMUM | 0.05 | 0.05 |
| RANGE(MAX-MIN) | -3.077 | 3.476 |
| MEAN | 0.000 | 0.000 |
| STANDARD DEVIATION | 1.000 | 1.000 |
| N SIZE | 28.000 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Aguirre, Nancy P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| A1-SEQUENCE IIIG PISTON | 0.87 | 0.34 | 0.64 | 0.09 | -0.01 | -0.09 | 1.43 | 0.52 | | |
| A2-SEQUENCE IIIG PISTON | 1.42 | 0.24 | 0.40 | 0.02 | -0.13 | 0.04 | 1.50 | 0.51 | | |
| A3-SEQUENCE IIIG PISTON | -0.07 | 0.24 | -0.45 | 1.02 | 0.30 | -0.12 | 1.12 | -0.02 | | |
| A4-SEQUENCE IIIG PISTON | 0.72 | 0.28 | 0.29 | -0.10 | 1.84 | 1.31 | 0.54 | 0.48 | | |
| A5-SEQUENCE IIIG PISTON | -0.31 | 0.27 | 0.82 | -0.02 | 0.59 | 1.70 | -0.24 | -0.02 | | |
| A6-GMOD PISTON | -0.82 | 0.75 | 0.12 | -0.91 | 0.69 | 1.91 | 1.58 | -0.20 | | |
| A7-GMOD PISTON | 0.48 | 0.82 | 0.24 | -0.64 | 0.84 | 0.73 | 0.99 | 0.20 | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | 0.72 | -0.38 | -0.78 | 0.62 | -0.23 | 0.59 | 0.22 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | 0.54 | 0.49 | 0.68 | -0.38 | -0.16 | 0.95 | -0.27 | -0.06 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 1.42 | 0.82 | 0.82 | 1.02 | 1.84 | 1.91 | 1.58 | 0.52 | | |
| MINIMUM | -0.07 | 0.24 | 0.12 | 0.02 | -0.01 | 0.04 | 0.22 | -0.02 | | |
| RANGE(MAX-MIN) | 1.490 | 0.580 | 0.700 | 1.000 | 1.850 | 1.870 | 1.360 | 0.540 | | |
| MEAN | 0.394 | 0.339 | 0.218 | -0.033 | 0.414 | 0.780 | 0.763 | 0.174 | | |
| STANDARD DEVIATION | 0.681 | 0.348 | 0.530 | 0.593 | 0.667 | 0.757 | 0.729 | 0.273 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Barrera, Tony

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | -0.77 | -0.27 | -0.62 | -0.57 | -0.91 | -0.51 | -1.10 | -0.23 | | |
| B2-SEQUENCE IIIIG PISTON | -0.04 | -0.54 | -1.18 | -1.54 | -1.05 | -0.51 | -0.98 | -0.22 | | |
| B3-SEQUENCE IIIIG PISTON | -0.45 | 0.09 | -0.98 | -0.95 | -0.20 | -0.71 | 0.05 | 0.83 | | |
| B4-SEQUENCE IIIIH PISTON | 0.40 | 0.46 | -0.28 | -1.33 | -0.73 | 0.26 | -0.61 | -0.22 | | |
| B5-SEQUENCE IIIIH PISTON | 0.31 | -0.48 | -1.44 | -0.92 | -0.52 | -1.46 | 0.26 | 0.63 | | |
| B6-GMOD PISTON | -0.30 | -0.76 | -1.55 | -0.75 | 0.27 | 0.11 | -0.36 | 0.00 | | |
| B7-GMOD PISTON | -0.62 | -0.61 | -0.37 | 0.03 | -0.87 | 0.25 | 0.83 | -0.07 | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.91 | -0.21 | 0.55 | -0.80 | 0.10 | 0.32 | 0.16 | 0.56 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | 0.54 | -1.70 | -0.58 | -0.72 | 0.74 | 0.59 | -0.27 | -0.19 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -0.91 | -1.70 | -1.55 | -1.54 | -1.05 | -1.46 | -1.10 | 0.83 | | |
| MINIMUM | -0.04 | 0.09 | -0.28 | 0.03 | 0.10 | 0.11 | 0.05 | 0.00 | | |
| RANGE(MAX-MIN) | -0.870 | -1.790 | -1.270 | -1.570 | -1.150 | -1.570 | -1.150 | 0.830 | | |
| MEAN | -0.204 | -0.447 | -0.717 | -0.839 | -0.352 | -0.184 | -0.224 | 0.121 | | |
| STANDARD DEVIATION | 0.533 | 0.602 | 0.656 | 0.448 | 0.617 | 0.656 | 0.620 | 0.427 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Broff, Andy

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT | |
|--------------------------|-------|--------|---------|--------|--------|-------|--------|--------|-------|-------|--|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | 4.45 | 16.43 | -12.77 | 7.30 | 1.33 | 3.69 | 1.05 | 0.63 | | | |
| C2-SEQUENCE IIIIG PISTON | 1.25 | 2.60 | -1.00 | -1.20 | -2.11 | 1.23 | -5.28 | 1.55 | | | |
| C3-SEQUENCE IIIIG PISTON | 2.47 | 11.73 | -3.11 | 1.20 | 6.50 | 1.62 | -1.15 | 2.80 | | | |
| C4-SEQUENCE IIIIH PISTON | 0.13 | -1.89 | -1.95 | -0.27 | -1.35 | 2.77 | -6.27 | -4.00 | | | |
| C5-SEQUENCE IIIIH PISTON | 6.07 | 4.23 | -3.18 | 3.57 | -0.19 | 2.23 | -0.12 | -0.30 | | | |
| C6-GMOD PISTON | -0.77 | -2.40 | -4.26 | -0.71 | -1.25 | 1.42 | -1.20 | -0.37 | | | |
| C7-GMOD PISTON | 2.78 | 5.56 | -1.98 | -0.19 | -0.83 | 4.63 | -2.58 | 0.24 | | | |
| C8-FIELD PISTON | 3.24 | -1.20 | -1.07 | -5.76 | -4.37 | -2.07 | -0.75 | -0.76 | | | |
| C9-FIELD PISTON | 6.55 | 5.45 | 2.60 | -2.57 | -0.57 | 4.34 | -0.33 | -1.58 | | | |
| CAL-A-COMPOSITE PISTON | -1.33 | -1.51 | -1.70 | -2.49 | -2.63 | -0.01 | 0.04 | 0.77 | | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -2.25 | -1.05 | 0.65 | -0.91 | 0.09 | -0.10 | -0.01 | 0.73 | | | |
| MAXIMUM | 6.55 | 16.43 | -12.77 | 7.30 | 6.50 | 4.63 | -6.27 | -4.00 | | | |
| MINIMUM | 0.13 | -1.05 | 0.65 | -0.19 | 0.09 | -0.01 | -0.01 | 0.24 | | | |
| RANGE(MAX-MIN) | 6.420 | 17.480 | -13.420 | 7.490 | 6.410 | 4.640 | -6.260 | -4.240 | | | |
| MEAN | 2.054 | 3.450 | -2.525 | -0.185 | -0.489 | 1.795 | -1.509 | -0.026 | | | |
| STANDARD DEVIATION | 2.941 | 6.132 | 3.884 | 3.405 | 2.762 | 2.038 | 2.310 | 1.764 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Cales, Jonathon

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| A1-SEQUENCE IIIG PISTON | 0.81 | 1.32 | -1.23 | 0.27 | 1.86 | 0.17 | -1.53 | 1.08 | | |
| A2-SEQUENCE IIIG PISTON | -0.67 | -0.16 | -1.31 | -1.28 | 1.47 | -0.06 | 0.37 | -0.21 | | |
| A3-SEQUENCE IIIG PISTON | 0.49 | 0.24 | 0.00 | 0.68 | 2.46 | 2.89 | -0.09 | -0.62 | | |
| A4-SEQUENCE IIIH PISTON | 0.14 | -0.85 | -0.22 | -0.39 | 1.00 | -1.05 | 0.42 | 0.48 | | |
| A5-SEQUENCE IIIH PISTON | -0.11 | 0.62 | 1.18 | 0.68 | -0.55 | 0.81 | -0.04 | -0.02 | | |
| A6-GMOD PISTON | 1.09 | 2.09 | 1.57 | -0.94 | -0.08 | 0.89 | 0.97 | 0.00 | | |
| A7-GMOD PISTON | -0.17 | 0.30 | 0.19 | 0.58 | -0.37 | 0.88 | 0.71 | 0.20 | | |
| A8-FIELD PISTON | 0.26 | 0.65 | 1.29 | 1.40 | 1.08 | -0.74 | 1.10 | 0.97 | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | 0.65 | 0.20 | 0.84 | -1.20 | 0.82 | 1.11 | -0.13 | -0.45 | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | 0.59 | 0.47 | 0.05 | 1.38 | -0.07 | 1.07 | 1.31 | 0.88 | | |
| CAL-C-COMPOSITE PISTON | 0.73 | 0.90 | -0.61 | -0.17 | 0.17 | -0.02 | -0.27 | -0.06 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 1.09 | 2.09 | 1.57 | 1.40 | 2.46 | 2.89 | -1.53 | 1.08 | | |
| MINIMUM | -0.11 | -0.16 | 0.00 | -0.17 | -0.07 | -0.02 | -0.04 | 0.00 | | |
| RANGE(MAX-MIN) | 1.200 | 2.250 | 1.570 | 1.570 | 2.530 | 2.910 | -1.490 | 1.080 | | |
| MEAN | 0.346 | 0.525 | 0.159 | 0.092 | 0.708 | 0.541 | 0.256 | 0.205 | | |
| STANDARD DEVIATION | 0.514 | 0.765 | 0.982 | 0.962 | 0.973 | 1.068 | 0.800 | 0.577 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Campbell, Bryan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|---------|---------|--------|---------|-------|-------|-------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | 0.13 | 0.97 | 1.46 | -1.19 | 0.71 | 1.59 | 1.48 | -4.63 | | |
| B2-SEQUENCE IIIG PISTON | -1.20 | -4.57 | 0.92 | -6.21 | -0.21 | 0.34 | 0.93 | 1.04 | | |
| B3-SEQUENCE IIIG PISTON | 1.33 | -13.31 | -2.81 | -2.06 | -0.65 | 0.41 | 1.44 | -1.77 | | |
| B4-SEQUENCE IIIG PISTON | -14.00 | -9.14 | 0.45 | -4.84 | -2.08 | -0.17 | 4.38 | 2.06 | | |
| B5-SEQUENCE IIIG PISTON | -13.09 | 0.04 | 0.76 | 1.24 | 0.72 | 1.92 | -1.10 | -0.35 | | |
| B6-GMOD PISTON | 0.61 | 0.48 | -1.31 | 0.39 | 0.95 | -0.18 | -0.71 | -8.40 | | |
| B7-GMOD PISTON | -1.58 | -0.61 | -1.39 | -11.37 | 1.46 | -0.51 | 0.36 | -0.67 | | |
| B8-FIELD PISTON | 1.93 | -1.30 | -0.66 | -2.15 | 0.02 | -0.24 | 0.30 | 0.53 | | |
| B9-FIELD PISTON | 6.89 | 2.79 | -0.15 | -0.29 | 1.59 | 0.44 | 0.54 | 1.65 | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | -7.05 | -0.41 | -7.54 | 3.22 | 1.78 | 0.15 | -0.14 | 0.45 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | 9.00 | -2.60 | 0.74 | 3.33 | 2.45 | -1.21 | 0.60 | -1.77 | | |
| MAXIMUM | -14.00 | -13.31 | -7.54 | -11.37 | 2.45 | 1.92 | 4.38 | -8.40 | | |
| MINIMUM | 0.13 | 0.04 | -0.15 | -0.29 | 0.02 | 0.15 | -0.14 | -0.35 | | |
| RANGE(MAX-MIN) | -14.130 | -13.350 | -7.390 | -11.080 | 2.430 | 1.770 | 4.520 | -8.050 | | |
| MEAN | -1.548 | -2.515 | -0.866 | -1.812 | 0.613 | 0.231 | 0.735 | -1.078 | | |
| STANDARD DEVIATION | 7.273 | 4.796 | 2.548 | 4.344 | 1.281 | 0.893 | 1.449 | 3.075 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Caproni, David

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|-------|--------|--------|--------|-------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | 0.20 | 0.63 | -0.07 | 0.90 | -1.41 | -0.25 | 0.27 | -0.97 | | |
| C2-SEQUENCE IIIG PISTON | 0.45 | 0.80 | -2.03 | -0.57 | 0.82 | 0.40 | -0.24 | -0.45 | | |
| C3-SEQUENCE IIIG PISTON | -0.23 | 0.53 | -0.91 | 0.00 | 1.99 | 0.12 | 1.37 | -0.20 | | |
| C4-SEQUENCE IIIG PISTON | 0.47 | -0.21 | -1.88 | 1.18 | -0.88 | 0.24 | -0.60 | -0.17 | | |
| C5-SEQUENCE IIIG PISTON | -0.62 | 1.03 | 1.35 | -0.71 | -1.54 | 1.21 | -1.62 | -0.70 | | |
| C6-GMOD PISTON | 0.23 | 0.24 | -0.30 | -0.71 | -0.31 | 1.22 | -1.28 | -0.37 | | |
| C7-GMOD PISTON | 1.20 | 0.96 | -1.76 | -1.05 | -0.80 | -0.19 | -0.59 | -0.76 | | |
| C8-FIELD PISTON | -1.63 | 1.39 | 0.29 | -0.61 | 0.37 | 0.45 | -1.13 | -1.11 | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | -0.57 | 1.55 | -0.70 | 0.16 | -1.20 | -0.94 | -0.27 | -0.06 | | |
| CAL-D-COMPOSITE PISTON | 2.16 | 0.67 | 0.11 | 1.15 | 0.48 | 0.66 | 0.68 | -0.87 | | |
| MAXIMUM | 2.16 | 1.55 | -2.03 | 1.18 | 1.99 | 1.22 | -1.62 | -1.11 | | |
| MINIMUM | 0.20 | -0.21 | -0.07 | 0.00 | -0.31 | 0.12 | -0.24 | -0.06 | | |
| RANGE(MAX-MIN) | 1.960 | 1.760 | -1.960 | 1.180 | 2.300 | 1.100 | -1.380 | -1.050 | | |
| MEAN | 0.166 | 0.759 | -0.590 | -0.026 | -0.248 | 0.292 | -0.341 | -0.566 | | |
| STANDARD DEVIATION | 1.042 | 0.519 | 1.085 | 0.840 | 1.140 | 0.663 | 0.921 | 0.366 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Castillo, George

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|
| A1-SEQUENCE III G PISTON | 1.48 | 1.87 | 1.26 | -1.05 | 0.20 | -0.26 | 0.60 | -0.46 | | |
| A2-SEQUENCE III G PISTON | 1.40 | 0.24 | 2.10 | -0.33 | 0.27 | -1.07 | 0.11 | 1.68 | | |
| A3-SEQUENCE III G PISTON | 1.48 | 0.24 | 0.83 | -1.50 | 0.21 | -0.26 | -0.36 | 0.58 | | |
| A4-SEQUENCE III H PISTON | -0.68 | -0.16 | 1.84 | -0.29 | 0.78 | -0.93 | 0.33 | 0.51 | | |
| A5-SEQUENCE III H PISTON | 2.46 | 0.35 | -0.69 | -1.16 | 1.88 | 0.52 | 1.16 | 1.18 | | |
| A6-GMOD PISTON | 0.44 | -0.10 | 1.53 | -0.51 | -0.45 | 0.67 | -1.02 | -0.20 | | |
| A7-GMOD PISTON | 0.15 | 0.74 | 1.17 | -1.08 | 0.56 | 0.05 | 0.43 | 0.80 | | |
| A8-FIELD PISTON | -0.66 | 0.98 | 0.28 | -0.04 | 0.62 | 1.37 | -1.17 | 0.70 | | |
| A9-FIELD PISTON | -0.53 | -1.02 | 1.07 | -0.51 | 0.99 | 1.14 | -0.24 | 1.13 | | |
| B1-SEQUENCE III G PISTON | | | | | | | | | | |
| B2-SEQUENCE III G PISTON | | | | | | | | | | |
| B3-SEQUENCE III G PISTON | | | | | | | | | | |
| B4-SEQUENCE III H PISTON | | | | | | | | | | |
| B5-SEQUENCE III H PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE III G PISTON | | | | | | | | | | |
| C2-SEQUENCE III G PISTON | | | | | | | | | | |
| C3-SEQUENCE III G PISTON | | | | | | | | | | |
| C4-SEQUENCE III H PISTON | | | | | | | | | | |
| C5-SEQUENCE III H PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.42 | -0.25 | 0.33 | 0.39 | 0.88 | 0.01 | 2.05 | -2.98 | | |
| CAL-B-COMPOSITE PISTON | -0.07 | -0.16 | 1.70 | -0.27 | 0.84 | 0.78 | 0.40 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 2.46 | 1.87 | 2.10 | -1.50 | 1.88 | 1.37 | 2.05 | -2.98 | | |
| MINIMUM | -0.07 | -0.10 | 0.28 | -0.04 | 0.20 | 0.01 | 0.11 | 0.16 | | |
| RANGE(MAX-MIN) | 2.530 | 1.970 | 1.820 | -1.460 | 1.680 | 1.360 | 1.940 | -3.140 | | |
| MEAN | 0.459 | 0.248 | 1.038 | -0.577 | 0.616 | 0.184 | 0.208 | 0.282 | | |
| STANDARD DEVIATION | 1.079 | 0.757 | 0.814 | 0.560 | 0.590 | 0.793 | 0.922 | 1.245 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= DeCapite, Vanessa

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | -0.19 | -0.57 | 0.59 | 0.76 | -0.50 | -1.12 | 0.85 | 0.03 | | |
| C2-SEQUENCE IIIIG PISTON | 0.65 | -0.40 | 0.33 | 1.01 | -0.85 | -0.74 | 0.10 | 0.55 | | |
| C3-SEQUENCE IIIIG PISTON | 1.33 | -0.67 | 0.44 | -1.20 | -0.38 | -1.05 | -0.07 | 0.00 | | |
| C4-SEQUENCE IIIIH PISTON | 0.47 | -0.52 | -0.08 | -1.24 | -0.76 | -0.80 | 1.12 | -0.17 | | |
| C5-SEQUENCE IIIIH PISTON | 1.24 | -0.26 | -0.28 | 0.82 | -0.56 | 0.53 | -0.12 | -0.70 | | |
| C6-GMOD PISTON | -0.17 | -1.41 | -0.79 | 0.89 | -0.83 | -0.79 | -0.33 | -0.47 | | |
| C7-GMOD PISTON | -0.09 | -0.89 | 0.43 | 0.88 | -1.34 | -0.75 | -0.15 | -0.76 | | |
| C8-FIELD PISTON | -0.24 | -1.37 | -0.52 | 0.13 | 0.83 | -0.99 | -0.30 | -0.46 | | |
| C9-FIELD PISTON | -0.76 | 0.12 | -0.64 | -0.25 | 0.86 | 0.49 | -0.93 | -1.09 | | |
| CAL-A-COMPOSITE PISTON | -0.27 | -0.36 | -2.43 | -0.91 | -1.28 | -0.50 | -0.37 | 0.56 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.74 | -0.73 | 0.38 | -0.37 | -1.13 | -0.95 | -0.47 | 0.73 | | |
| MAXIMUM | 1.33 | -1.41 | -2.43 | -1.24 | -1.34 | -1.12 | 1.12 | -1.09 | | |
| MINIMUM | -0.09 | 0.12 | -0.08 | 0.13 | -0.38 | 0.49 | -0.07 | 0.00 | | |
| RANGE(MAX-MIN) | 1.420 | -1.530 | -2.350 | -1.370 | -0.960 | -1.610 | 1.190 | -1.090 | | |
| MEAN | 0.112 | -0.642 | -0.234 | 0.047 | -0.540 | -0.606 | -0.061 | -0.162 | | |
| STANDARD DEVIATION | 0.717 | 0.455 | 0.876 | 0.885 | 0.750 | 0.578 | 0.584 | 0.598 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Dominguez, Lucio

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|--------|--------|-------|--------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | 0.84 | -0.80 | -0.51 | 2.17 | -1.23 | -0.69 | 0.01 | -0.32 | | |
| A2-SEQUENCE IIIG PISTON | -0.99 | 0.24 | -0.96 | 1.40 | -0.53 | 0.26 | -0.76 | -1.47 | | |
| A3-SEQUENCE IIIG PISTON | 0.93 | 0.24 | -2.18 | 1.43 | -0.71 | -0.54 | -0.79 | -0.42 | | |
| A4-SEQUENCE IIIG PISTON | 1.65 | 0.10 | -0.69 | 0.53 | -0.92 | -0.02 | 0.24 | 0.01 | | |
| A5-SEQUENCE IIIG PISTON | -0.80 | -0.14 | 0.03 | 0.10 | -0.86 | 0.14 | -0.04 | -0.42 | | |
| A6-GMOD PISTON | 0.73 | -0.96 | -1.29 | 2.08 | -1.24 | -0.93 | -0.61 | -0.20 | | |
| A7-GMOD PISTON | 1.71 | -1.35 | 0.07 | 0.82 | -1.30 | -0.80 | -0.87 | -1.40 | | |
| A8-FIELD PISTON | 1.30 | -1.20 | -0.67 | -0.92 | -0.83 | -0.74 | -0.42 | -1.12 | | |
| A9-FIELD PISTON | 1.07 | 0.98 | -0.91 | 1.15 | -1.01 | -0.73 | -0.86 | -0.35 | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | 0.59 | -0.63 | -1.56 | -0.46 | -1.72 | -1.67 | -1.40 | -1.29 | | |
| CAL-C-COMPOSITE PISTON | 0.17 | -0.99 | -1.88 | 0.04 | -1.81 | -1.00 | -2.38 | -1.52 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 1.71 | -1.35 | -2.18 | 2.17 | -1.81 | -1.67 | -2.38 | -1.52 | | |
| MINIMUM | 0.17 | 0.10 | 0.03 | 0.04 | -0.53 | -0.02 | 0.01 | 0.01 | | |
| RANGE(MAX-MIN) | 1.540 | -1.450 | -2.210 | 2.130 | -1.280 | -1.650 | -2.390 | -1.530 | | |
| MEAN | 0.655 | -0.410 | -0.959 | 0.758 | -1.105 | -0.611 | -0.716 | -0.773 | | |
| STANDARD DEVIATION | 0.887 | 0.739 | 0.722 | 1.003 | 0.402 | 0.559 | 0.727 | 0.583 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Foecking, Brian

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|-------|-------|--------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | -0.86 | -1.05 | 0.26 | -0.66 | -1.24 | -0.51 | 0.79 | -0.03 | | |
| B2-SEQUENCE IIIG PISTON | 0.34 | 0.22 | 1.77 | -0.60 | -0.64 | 0.31 | -1.44 | -1.34 | | |
| B3-SEQUENCE IIIG PISTON | -0.26 | 0.09 | 1.40 | -0.10 | -0.73 | 0.13 | -1.07 | 0.23 | | |
| B4-SEQUENCE IIIG PISTON | 0.40 | -0.14 | -0.28 | -0.95 | 0.00 | -0.52 | 1.02 | 0.82 | | |
| B5-SEQUENCE IIIG PISTON | 0.31 | -0.98 | 1.10 | -0.04 | -1.47 | -0.86 | 0.26 | 0.14 | | |
| B6-GMOD PISTON | -0.48 | -0.03 | 1.39 | 1.88 | 0.15 | -0.65 | -1.94 | 0.00 | | |
| B7-GMOD PISTON | 0.92 | -0.81 | 1.51 | 1.03 | -0.98 | -0.76 | -1.35 | -0.27 | | |
| B8-FIELD PISTON | -0.81 | -1.19 | -0.27 | 1.11 | 1.09 | -0.83 | -0.31 | 0.19 | | |
| B9-FIELD PISTON | 0.14 | -1.29 | 0.90 | 0.60 | -1.22 | -0.54 | -0.11 | -0.44 | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.53 | -0.42 | 0.88 | 0.67 | 0.45 | -0.28 | -1.81 | -0.39 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.74 | 1.39 | 1.00 | -1.68 | 0.15 | -0.73 | -1.76 | -0.87 | | |
| MAXIMUM | 0.92 | 1.39 | 1.77 | 1.88 | -1.47 | -0.86 | -1.94 | -1.34 | | |
| MINIMUM | 0.14 | -0.03 | 0.26 | -0.04 | 0.00 | 0.13 | -0.11 | 0.00 | | |
| RANGE(MAX-MIN) | 0.780 | 1.420 | 1.510 | 1.920 | -1.470 | -0.990 | -1.830 | -1.340 | | |
| MEAN | -0.143 | -0.383 | 0.878 | 0.115 | -0.404 | -0.476 | -0.702 | -0.178 | | |
| STANDARD DEVIATION | 0.595 | 0.798 | 0.695 | 1.050 | 0.821 | 0.385 | 1.077 | 0.583 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Garza, Juan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|-------|--------|---------|--------|--------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | 3.00 | 0.43 | -9.90 | 2.32 | -0.53 | -1.20 | -1.08 | -0.97 | | |
| C2-SEQUENCE IIIIG PISTON | 0.65 | 0.20 | -1.11 | 0.38 | -1.67 | -0.68 | -3.49 | -0.45 | | |
| C3-SEQUENCE IIIIG PISTON | 0.18 | 1.53 | -3.25 | 2.00 | 0.72 | 0.16 | 0.07 | 0.00 | | |
| C4-SEQUENCE IIIIH PISTON | -0.33 | -2.56 | -0.80 | -2.33 | -0.98 | 0.87 | -6.10 | -7.67 | | |
| C5-SEQUENCE IIIIH PISTON | 1.49 | 0.15 | -1.32 | 2.36 | -1.02 | -0.24 | -0.12 | -0.90 | | |
| C6-GMOD PISTON | -0.57 | -3.23 | -3.23 | -0.91 | -2.84 | -1.19 | -3.93 | -0.89 | | |
| C7-GMOD PISTON | 2.10 | -0.14 | -2.19 | 0.88 | -3.06 | -4.60 | -2.71 | -0.96 | | |
| C8-FIELD PISTON | -0.54 | -0.01 | -0.45 | -4.43 | -1.60 | 2.10 | 0.53 | -1.43 | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | -1.12 | -0.61 | 0.13 | -1.20 | -1.31 | 0.27 | 1.35 | 1.27 | | |
| CAL-D-COMPOSITE PISTON | -0.13 | -0.55 | -0.43 | -1.13 | -1.07 | -0.51 | 0.30 | 0.91 | | |
| MAXIMUM | 3.00 | -3.23 | -9.90 | -4.43 | -3.06 | -4.60 | -6.10 | -7.67 | | |
| MINIMUM | -0.13 | -0.01 | 0.13 | 0.38 | -0.53 | 0.16 | 0.07 | 0.00 | | |
| RANGE(MAX-MIN) | 3.130 | -3.220 | -10.030 | -4.810 | -2.530 | -4.760 | -6.170 | -7.670 | | |
| MEAN | 0.473 | -0.479 | -2.255 | -0.206 | -1.336 | -0.502 | -1.518 | -1.109 | | |
| STANDARD DEVIATION | 1.327 | 1.413 | 2.924 | 2.212 | 1.085 | 1.749 | 2.416 | 2.465 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Greenland, Paul

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | 0.00 | 0.13 | 0.75 | 1.13 | 0.20 | 2.75 | -0.32 | -1.72 | | |
| A2-SEQUENCE IIIG PISTON | 1.30 | -1.56 | 0.81 | 0.97 | 0.67 | 2.60 | -1.63 | -0.84 | | |
| A3-SEQUENCE IIIG PISTON | -1.95 | -0.56 | 0.68 | -1.23 | 0.53 | 0.48 | 0.42 | 0.78 | | |
| A4-SEQUENCE IIIH PISTON | -0.68 | 1.92 | 0.47 | 0.09 | 0.50 | -0.90 | -2.92 | -2.75 | | |
| A5-SEQUENCE IIIH PISTON | -1.00 | 0.81 | 0.88 | 0.50 | -1.17 | -0.22 | -0.04 | -0.02 | | |
| A6-GMOD PISTON | -1.03 | -0.12 | 0.16 | -0.42 | -0.58 | -0.65 | -1.23 | 0.00 | | |
| A7-GMOD PISTON | -0.92 | 1.43 | 0.32 | -0.64 | 0.48 | 0.81 | 0.15 | 0.20 | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.06 | -0.28 | -0.19 | 1.82 | 1.62 | 0.46 | -0.99 | 0.22 | | |
| CAL-B-COMPOSITE PISTON | -1.12 | 3.08 | 0.24 | 2.21 | 0.84 | -0.01 | 1.31 | 0.88 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -1.95 | 3.08 | 0.88 | 2.21 | 1.62 | 2.75 | -2.92 | -2.75 | | |
| MINIMUM | 0.00 | -0.12 | 0.16 | 0.09 | 0.20 | -0.01 | -0.04 | 0.00 | | |
| RANGE(MAX-MIN) | -1.950 | 3.200 | 0.720 | 2.120 | 1.420 | 2.760 | -2.880 | -2.750 | | |
| MEAN | -0.607 | 0.539 | 0.458 | 0.492 | 0.343 | 0.591 | -0.583 | -0.361 | | |
| STANDARD DEVIATION | 0.922 | 1.419 | 0.356 | 1.151 | 0.808 | 1.302 | 1.257 | 1.200 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Hurst, Kevin R.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|--------|-------|--------|--------|-------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -1.62 | -0.85 | -0.65 | -0.29 | -0.40 | -0.26 | 1.14 | 0.94 | | |
| A2-SEQUENCE IIIG PISTON | 0.51 | 0.04 | -0.90 | 0.28 | -0.33 | -0.06 | 1.50 | 0.78 | | |
| A3-SEQUENCE IIIG PISTON | -0.22 | 0.24 | 0.45 | 0.20 | -0.54 | -0.42 | 1.24 | -0.02 | | |
| A4-SEQUENCE IIIG PISTON | 0.60 | 0.19 | 0.11 | -0.44 | -0.59 | 1.88 | 0.45 | 0.62 | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | -0.79 | -0.96 | -1.46 | -0.84 | -0.33 | -0.51 | -0.01 | -0.03 | | |
| B2-SEQUENCE IIIG PISTON | -0.42 | -0.16 | -0.42 | 0.45 | -1.28 | 0.19 | 0.72 | -0.08 | | |
| B3-SEQUENCE IIIG PISTON | -0.88 | 0.09 | 0.00 | 0.36 | -0.99 | -0.01 | 1.97 | 0.23 | | |
| B4-SEQUENCE IIIG PISTON | 0.20 | 0.26 | -1.04 | 1.18 | -0.35 | 0.06 | -0.31 | -0.35 | | |
| B5-SEQUENCE IIIG PISTON | 0.31 | 0.25 | 1.17 | -1.22 | 0.65 | 1.10 | 0.26 | 0.14 | | |
| B6-GMOD PISTON | -0.41 | -1.25 | 0.43 | -0.37 | -1.47 | -0.51 | 0.67 | 0.00 | | |
| B7-GMOD PISTON | 0.49 | -0.40 | -1.27 | -0.17 | -0.42 | -0.54 | -0.88 | -0.27 | | |
| B8-FIELD PISTON | -0.81 | -0.80 | -0.50 | 0.98 | 0.44 | -0.49 | -1.23 | -1.29 | | |
| B9-FIELD PISTON | 0.85 | -0.52 | -1.28 | -0.55 | 0.73 | -0.09 | -1.14 | -1.13 | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.99 | -0.36 | -1.22 | -0.94 | -1.45 | -0.21 | 0.04 | -0.46 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | 0.17 | 0.60 | -1.13 | 2.60 | -0.59 | -0.30 | -0.27 | -0.06 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -1.62 | -1.25 | -1.46 | 2.60 | -1.47 | 1.88 | 1.97 | -1.29 | | |
| MINIMUM | 0.17 | 0.04 | 0.00 | -0.17 | -0.33 | -0.01 | -0.01 | 0.00 | | |
| RANGE(MAX-MIN) | -1.790 | -1.290 | -1.460 | 2.770 | -1.140 | 1.890 | 1.980 | -1.290 | | |
| MEAN | -0.201 | -0.242 | -0.514 | 0.082 | -0.461 | -0.011 | 0.277 | -0.065 | | |
| STANDARD DEVIATION | 0.717 | 0.544 | 0.788 | 0.974 | 0.682 | 0.667 | 0.957 | 0.612 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= King, Jennifer

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | 0.72 | 0.83 | -1.69 | 0.62 | 0.32 | 0.00 | 0.27 | 0.43 | | |
| C2-SEQUENCE IIIIG PISTON | 0.65 | 0.20 | 0.07 | 1.12 | -1.70 | -0.39 | 1.11 | -0.45 | | |
| C3-SEQUENCE IIIIG PISTON | -1.06 | -0.27 | -1.59 | 1.00 | -0.16 | 0.27 | -0.79 | 0.20 | | |
| C4-SEQUENCE IIIIH PISTON | -1.31 | 1.13 | 0.85 | -0.15 | 0.93 | -0.19 | 0.43 | 1.50 | | |
| C5-SEQUENCE IIIIH PISTON | -0.62 | 1.06 | 0.24 | 0.73 | 1.11 | -1.62 | 1.07 | 0.90 | | |
| C6-GMOD PISTON | 0.43 | 0.68 | 0.82 | 0.89 | 0.17 | -0.29 | 1.83 | 0.98 | | |
| C7-GMOD PISTON | 0.36 | -0.89 | 0.43 | 0.99 | 0.63 | 0.91 | 0.60 | 0.84 | | |
| C8-FIELD PISTON | 0.66 | 0.08 | -0.96 | 0.22 | 0.49 | -0.42 | -0.07 | -0.42 | | |
| C9-FIELD PISTON | 1.13 | 0.93 | -0.51 | 1.10 | 0.24 | -1.15 | 1.06 | 0.87 | | |
| CAL-A-COMPOSITE PISTON | -0.76 | -0.27 | -0.12 | -0.19 | -0.50 | -1.02 | 1.44 | 1.17 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.74 | -0.15 | -1.78 | 1.15 | -1.07 | 1.17 | 1.75 | 0.91 | | |
| MAXIMUM | -1.31 | 1.13 | -1.78 | 1.15 | -1.70 | -1.62 | 1.83 | 1.50 | | |
| MINIMUM | 0.36 | 0.08 | 0.07 | -0.15 | -0.16 | 0.00 | -0.07 | 0.20 | | |
| RANGE(MAX-MIN) | -1.670 | 1.050 | -1.850 | 1.300 | -1.540 | -1.620 | 1.900 | 1.300 | | |
| MEAN | -0.049 | 0.303 | -0.385 | 0.680 | 0.042 | -0.248 | 0.791 | 0.630 | | |
| STANDARD DEVIATION | 0.854 | 0.664 | 0.988 | 0.500 | 0.849 | 0.838 | 0.797 | 0.626 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Kobrinetz, Joaquin J.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|-------|--------|--------|--------|-------|--------|-------|-------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | -0.32 | 0.04 | 0.10 | 0.02 | -0.33 | -0.28 | 0.20 | 0.42 | | |
| A3-SEQUENCE IIIIG PISTON | 0.49 | -0.56 | 1.05 | 0.00 | -0.62 | -0.44 | 0.73 | 0.78 | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | 0.19 | -0.43 | -0.41 | 0.77 | 1.04 | -1.10 | 0.35 | 0.80 | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | -0.17 | 0.35 | -1.13 | 1.09 | -0.23 | -0.69 | -0.24 | 0.56 | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | 1.59 | -0.21 | 0.00 | -0.58 | 0.27 | -0.61 | 0.45 | 0.83 | | |
| CAL-B-COMPOSITE PISTON | -1.39 | -0.24 | 0.44 | -0.33 | 0.09 | -0.81 | 1.31 | 0.88 | | |
| CAL-C-COMPOSITE PISTON | -0.38 | -0.12 | 0.54 | -0.99 | 1.21 | 0.13 | 1.35 | 1.13 | | |
| CAL-D-COMPOSITE PISTON | 0.87 | 0.06 | 0.02 | -0.26 | -0.46 | -0.72 | 0.30 | 0.20 | | |
| MAXIMUM | 1.59 | -0.56 | -1.13 | 1.09 | 1.21 | -1.10 | 1.35 | 1.13 | | |
| MINIMUM | -0.17 | 0.04 | 0.00 | 0.00 | 0.09 | 0.13 | 0.20 | 0.20 | | |
| RANGE(MAX-MIN) | 1.760 | -0.600 | -1.130 | 1.090 | 1.120 | -1.230 | 1.150 | 0.930 | | |
| MEAN | 0.110 | -0.139 | 0.076 | -0.035 | 0.121 | -0.565 | 0.556 | 0.700 | | |
| STANDARD DEVIATION | 0.900 | 0.290 | 0.654 | 0.683 | 0.683 | 0.372 | 0.549 | 0.292 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Langford, Mike

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | -0.03 | -0.04 | 0.22 | 0.32 | 0.56 | 2.12 | 1.78 | 1.57 | | |
| B2-SEQUENCE IIIIG PISTON | -1.12 | -1.61 | 0.11 | 1.15 | 0.37 | 0.48 | 1.22 | -0.36 | | |
| B3-SEQUENCE IIIIG PISTON | -0.51 | -0.11 | 1.26 | 0.97 | 0.82 | 1.93 | -0.32 | 0.23 | | |
| B4-SEQUENCE IIIIH PISTON | 0.00 | -0.34 | -0.43 | -0.45 | -1.16 | 1.18 | -0.92 | -1.98 | | |
| B5-SEQUENCE IIIIH PISTON | 0.11 | -0.66 | -0.34 | 1.08 | -1.03 | 1.24 | 1.47 | 1.45 | | |
| B6-GMOD PISTON | -1.13 | 1.06 | -0.77 | -0.88 | -1.26 | 1.80 | 0.86 | 1.40 | | |
| B7-GMOD PISTON | -0.87 | 0.29 | -0.61 | -0.77 | -0.15 | 1.54 | 0.21 | 1.33 | | |
| B8-FIELD PISTON | 0.81 | 0.82 | 1.22 | -0.65 | 0.40 | 0.64 | 0.97 | 0.80 | | |
| B9-FIELD PISTON | 1.03 | 1.15 | -0.70 | 1.43 | 1.25 | 1.07 | 1.37 | 1.58 | | |
| C1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | 0.19 | -0.40 | -0.52 | 2.11 | -0.88 | 2.95 | 0.78 | 0.29 | | |
| CAL-B-COMPOSITE PISTON | -1.26 | -0.43 | 1.41 | -0.08 | -0.76 | 1.41 | -1.40 | -2.74 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.30 | -2.02 | 0.29 | 0.83 | 2.22 | 0.24 | 0.22 | 0.91 | | |
| MAXIMUM | -1.26 | -2.02 | 1.41 | 2.11 | 2.22 | 2.95 | 1.78 | -2.74 | | |
| MINIMUM | 0.00 | -0.04 | 0.11 | -0.08 | -0.15 | 0.24 | 0.21 | 0.23 | | |
| RANGE(MAX-MIN) | -1.260 | -1.980 | 1.300 | 2.190 | 2.370 | 2.710 | 1.570 | -2.970 | | |
| MEAN | -0.257 | -0.191 | 0.095 | 0.422 | 0.032 | 1.383 | 0.520 | 0.373 | | |
| STANDARD DEVIATION | 0.751 | 0.970 | 0.805 | 0.981 | 1.093 | 0.759 | 0.988 | 1.423 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lonsway, Chris

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT | |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | 0.51 | 0.03 | -0.26 | 0.19 | -0.56 | -0.66 | -0.69 | -0.97 | | | |
| C2-SEQUENCE IIIG PISTON | 0.65 | 0.20 | -0.49 | -1.30 | -0.94 | -1.24 | -1.36 | -0.45 | | | |
| C3-SEQUENCE IIIG PISTON | 0.53 | 0.53 | 0.64 | -0.20 | -0.16 | -1.23 | -1.37 | -0.20 | | | |
| C4-SEQUENCE IIIG PISTON | 0.92 | 0.29 | 0.11 | -0.88 | -0.98 | -0.34 | 0.94 | -1.00 | | | |
| C5-SEQUENCE IIIG PISTON | 1.34 | 0.44 | -0.43 | 1.10 | -0.25 | -0.24 | -0.12 | -0.70 | | | |
| C6-GMOD PISTON | -0.17 | -1.24 | -0.20 | -0.71 | -1.03 | -1.07 | -0.70 | -1.41 | | | |
| C7-GMOD PISTON | | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | 0.51 | -0.27 | 0.14 | 0.10 | -1.28 | -0.93 | -0.45 | -0.73 | | | |
| CAL-B-COMPOSITE PISTON | 0.72 | -0.27 | -0.15 | -0.40 | -1.51 | -1.11 | 0.40 | 0.16 | | | |
| CAL-C-COMPOSITE PISTON | 0.73 | -1.14 | 0.08 | 0.40 | -0.66 | -0.60 | -0.27 | -0.06 | | | |
| CAL-D-COMPOSITE PISTON | -0.30 | -0.48 | -1.24 | -1.24 | -0.21 | -1.11 | -0.69 | -0.87 | | | |
| MAXIMUM | 1.34 | -1.24 | -1.24 | -1.30 | -1.51 | -1.24 | -1.37 | -1.41 | | | |
| MINIMUM | -0.17 | 0.03 | 0.08 | 0.10 | -0.16 | -0.24 | -0.12 | -0.06 | | | |
| RANGE(MAX-MIN) | 1.510 | -1.270 | -1.320 | -1.400 | -1.350 | -1.000 | -1.250 | -1.350 | | | |
| MEAN | 0.544 | -0.191 | -0.180 | -0.294 | -0.758 | -0.853 | -0.431 | -0.623 | | | |
| STANDARD DEVIATION | 0.480 | 0.619 | 0.496 | 0.764 | 0.467 | 0.368 | 0.718 | 0.483 | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lopez, Frank

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|-------|--------|-------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -1.25 | -0.26 | 1.44 | -0.10 | 0.18 | -0.69 | -0.86 | 0.38 | | |
| A2-SEQUENCE IIIG PISTON | -0.51 | 0.24 | 0.57 | 1.66 | -0.53 | -1.39 | -0.67 | -0.84 | | |
| A3-SEQUENCE IIIG PISTON | -1.10 | 0.04 | 1.13 | 0.75 | -0.10 | -0.52 | -0.06 | 0.18 | | |
| A4-SEQUENCE IIIH PISTON | -0.79 | 0.45 | 1.15 | -0.73 | -0.75 | 0.70 | 0.45 | 0.41 | | |
| A5-SEQUENCE IIIH PISTON | 0.04 | 0.72 | 0.88 | -1.68 | 0.90 | -1.91 | -0.04 | -0.02 | | |
| A6-GMOD PISTON | 0.19 | 0.39 | -0.63 | -0.24 | 1.87 | -0.36 | 0.14 | 0.00 | | |
| A7-GMOD PISTON | 0.05 | -0.06 | -0.38 | 0.04 | 1.55 | -1.84 | -0.59 | 0.20 | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.55 | -0.27 | -0.56 | -1.05 | 0.33 | -0.34 | -0.99 | 0.15 | | |
| CAL-B-COMPOSITE PISTON | 0.72 | -1.14 | 0.49 | -1.03 | 1.73 | 0.85 | -1.40 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -1.25 | -1.14 | 1.44 | -1.68 | 1.87 | -1.91 | -1.40 | -0.84 | | |
| MINIMUM | 0.04 | 0.04 | -0.38 | 0.04 | -0.10 | -0.34 | -0.04 | 0.00 | | |
| RANGE(MAX-MIN) | -1.290 | -1.180 | 1.820 | -1.720 | 1.970 | -1.570 | -1.360 | -0.840 | | |
| MEAN | -0.356 | 0.012 | 0.454 | -0.264 | 0.576 | -0.611 | -0.447 | 0.069 | | |
| STANDARD DEVIATION | 0.650 | 0.545 | 0.791 | 1.017 | 0.982 | 0.988 | 0.603 | 0.370 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lowsky, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | 1.96 | 1.52 | 0.74 | 1.74 | 0.03 | -0.51 | -0.06 | -0.03 | | |
| B2-SEQUENCE IIIIG PISTON | 1.40 | 1.73 | 0.61 | 0.92 | 1.29 | 1.21 | 0.64 | 1.04 | | |
| B3-SEQUENCE IIIIG PISTON | 2.16 | 0.09 | -0.70 | 1.43 | 1.80 | 0.32 | -0.91 | 0.23 | | |
| B4-SEQUENCE IIIIH PISTON | -1.00 | 0.46 | 1.21 | -0.20 | 1.99 | 1.05 | -1.22 | 0.95 | | |
| B5-SEQUENCE IIIIH PISTON | -1.69 | 1.44 | -0.96 | 1.48 | 0.72 | 0.11 | 0.26 | 0.14 | | |
| B6-GMOD PISTON | 2.05 | 1.31 | 0.79 | 0.73 | 1.28 | 0.87 | 0.76 | 0.00 | | |
| B7-GMOD PISTON | 1.22 | 1.89 | 0.78 | -0.97 | 1.51 | 0.64 | 1.29 | -0.27 | | |
| B8-FIELD PISTON | 1.32 | 1.13 | 0.79 | -1.14 | -1.50 | 1.44 | 1.09 | 1.05 | | |
| B9-FIELD PISTON | -0.75 | 0.84 | 1.03 | -0.44 | -0.65 | 0.89 | 0.57 | -0.11 | | |
| C1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | 2.22 | 3.56 | 1.28 | 0.21 | 1.22 | 1.33 | 0.57 | 1.11 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | -2.97 | 0.79 | 1.66 | 1.24 | 1.60 | 2.63 | -0.27 | -0.06 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -2.97 | 3.56 | 1.66 | 1.74 | 1.99 | 2.63 | 1.29 | 1.11 | | |
| MINIMUM | -0.75 | 0.09 | 0.61 | -0.20 | 0.03 | 0.11 | -0.06 | 0.00 | | |
| RANGE(MAX-MIN) | -2.220 | 3.470 | 1.050 | 1.940 | 1.960 | 2.520 | 1.350 | 1.110 | | |
| MEAN | 0.538 | 1.342 | 0.657 | 0.455 | 0.845 | 0.907 | 0.247 | 0.368 | | |
| STANDARD DEVIATION | 1.813 | 0.914 | 0.797 | 1.021 | 1.103 | 0.813 | 0.792 | 0.547 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= May, Marianne

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|--------|--------|-------|--------|-------|-------|--------|-------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | -1.92 | -0.17 | 1.30 | -1.52 | 0.91 | 0.24 | -1.66 | 0.63 | | |
| C2-SEQUENCE IIIIG PISTON | -0.75 | 0.00 | 0.89 | -0.46 | 0.62 | 1.40 | -0.13 | 1.15 | | |
| C3-SEQUENCE IIIIG PISTON | -1.18 | 0.33 | 0.81 | -0.40 | -0.65 | 0.45 | 0.79 | 0.60 | | |
| C4-SEQUENCE IIIIH PISTON | -1.23 | -1.58 | 0.83 | -0.03 | 1.30 | -0.80 | -0.43 | 0.83 | | |
| C5-SEQUENCE IIIIH PISTON | -0.62 | -1.09 | 0.68 | -0.67 | 0.97 | 0.59 | -0.27 | 0.30 | | |
| C6-GMOD PISTON | -0.17 | 0.02 | 1.80 | -0.71 | 2.01 | 1.48 | 0.59 | -0.68 | | |
| C7-GMOD PISTON | 0.08 | -0.34 | 0.69 | 0.24 | 0.85 | 1.15 | -1.21 | -0.56 | | |
| C8-FIELD PISTON | 0.36 | -0.35 | -0.41 | -1.19 | 0.02 | -0.56 | 1.61 | 1.45 | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.61 | -0.28 | 0.88 | 0.13 | 0.85 | -0.36 | 0.12 | 0.15 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.74 | 1.32 | 0.20 | -0.48 | -0.77 | 1.85 | -0.31 | 0.73 | | |
| MAXIMUM | -1.92 | -1.58 | 1.80 | -1.52 | 2.01 | 1.85 | -1.66 | 1.45 | | |
| MINIMUM | 0.08 | 0.00 | 0.20 | -0.03 | 0.02 | 0.24 | 0.12 | 0.15 | | |
| RANGE(MAX-MIN) | -2.000 | -1.580 | 1.600 | -1.490 | 1.990 | 1.610 | -1.780 | 1.300 | | |
| MEAN | -0.678 | -0.214 | 0.767 | -0.509 | 0.611 | 0.544 | -0.090 | 0.460 | | |
| STANDARD DEVIATION | 0.669 | 0.776 | 0.587 | 0.554 | 0.857 | 0.921 | 0.948 | 0.681 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Potocar, William P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|--------|--------|--------|-------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -0.51 | -0.85 | -1.41 | -0.77 | -0.63 | -0.17 | -1.32 | -1.58 | | |
| A2-SEQUENCE IIIG PISTON | -0.51 | 0.24 | -0.37 | -0.76 | 0.27 | 0.10 | -1.11 | -1.29 | | |
| A3-SEQUENCE IIIG PISTON | -0.28 | 0.24 | 0.00 | -1.16 | -1.52 | -0.22 | -2.16 | -0.82 | | |
| A4-SEQUENCE IIIG PISTON | 0.49 | -2.24 | -1.31 | -0.82 | -1.05 | 0.64 | -0.38 | -0.85 | | |
| A5-SEQUENCE IIIG PISTON | 0.04 | -0.15 | -0.45 | 1.72 | -0.91 | -0.15 | -0.04 | -0.02 | | |
| A6-GMOD PISTON | -1.80 | -0.33 | -0.94 | -0.57 | -0.43 | 0.23 | -0.95 | 0.00 | | |
| A7-GMOD PISTON | 0.37 | -1.07 | -2.22 | -0.88 | -0.93 | 0.79 | -1.80 | 0.20 | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | 0.85 | 0.13 | -0.73 | -0.78 | -0.28 | 0.64 | -0.50 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | 0.73 | -0.04 | -0.10 | -0.93 | -0.66 | -0.60 | 0.54 | 0.60 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -1.80 | -2.24 | -2.22 | 1.72 | -1.52 | 0.79 | -2.16 | -1.58 | | |
| MINIMUM | 0.04 | -0.04 | 0.00 | -0.57 | 0.27 | 0.10 | -0.04 | 0.00 | | |
| RANGE(MAX-MIN) | -1.840 | -2.200 | -2.220 | 2.290 | -1.790 | 0.690 | -2.120 | -1.580 | | |
| MEAN | -0.069 | -0.452 | -0.837 | -0.550 | -0.682 | 0.140 | -0.858 | -0.400 | | |
| STANDARD DEVIATION | 0.824 | 0.815 | 0.716 | 0.866 | 0.511 | 0.473 | 0.855 | 0.753 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Price, Gregory

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|--------|-------|-------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | -1.95 | -0.24 | -1.52 | -0.10 | -0.70 | -0.45 | 0.11 | 0.30 | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | 0.46 | 1.20 | -0.66 | 0.85 | 1.79 | 0.44 | -0.80 | -1.03 | | |
| B2-SEQUENCE IIIG PISTON | -1.19 | 0.15 | -0.96 | 0.45 | 0.97 | 0.28 | -0.61 | -0.64 | | |
| B3-SEQUENCE IIIG PISTON | 0.07 | -0.11 | 0.00 | -0.33 | 0.03 | -0.45 | 0.16 | -1.77 | | |
| B4-SEQUENCE IIIG PISTON | -0.20 | -0.94 | -0.77 | 1.18 | 0.05 | -0.25 | 0.82 | 0.30 | | |
| B5-SEQUENCE IIIG PISTON | 0.31 | -0.82 | 0.55 | -0.53 | 0.54 | -0.49 | -0.80 | -0.84 | | |
| B6-GMOD PISTON | 0.18 | 0.53 | 0.19 | 0.05 | 0.55 | -0.88 | -0.41 | -1.00 | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | -1.28 | -0.18 | 0.04 | -1.04 | -0.11 | -1.33 | -0.69 | 0.10 | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | -1.55 | 0.20 | -0.49 | 0.91 | 0.59 | -1.06 | -1.02 | -1.45 | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | -1.78 | 0.01 | -1.46 | 0.24 | 0.92 | -0.58 | -0.32 | -0.13 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | 1.00 | 0.03 | -0.61 | -0.04 | 0.73 | 0.25 | -0.69 | -1.77 | | |
| MAXIMUM | -1.95 | 1.20 | -1.52 | 1.18 | 1.79 | -1.33 | -1.02 | -1.77 | | |
| MINIMUM | 0.07 | 0.01 | 0.00 | -0.04 | 0.03 | -0.25 | 0.11 | 0.10 | | |
| RANGE(MAX-MIN) | -2.020 | 1.190 | -1.520 | 1.220 | 1.760 | -1.080 | -1.130 | -1.870 | | |
| MEAN | -0.539 | -0.015 | -0.517 | 0.149 | 0.487 | -0.411 | -0.386 | -0.721 | | |
| STANDARD DEVIATION | 1.030 | 0.587 | 0.663 | 0.667 | 0.660 | 0.565 | 0.546 | 0.777 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Reese, Kyle

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | 1.34 | 0.43 | -1.37 | -1.52 | -2.06 | 0.16 | -0.02 | -0.97 | | |
| C2-SEQUENCE IIIG PISTON | 0.65 | 0.20 | 0.02 | 1.33 | -0.35 | 0.12 | -1.25 | -0.45 | | |
| C3-SEQUENCE IIIG PISTON | 0.52 | 0.73 | -0.15 | -0.80 | 0.12 | 1.10 | -1.30 | -3.80 | | |
| C4-SEQUENCE IIIG PISTON | -0.29 | 1.52 | -0.82 | 0.82 | -0.63 | -0.02 | 0.26 | -3.00 | | |
| C5-SEQUENCE IIIG PISTON | 1.77 | 0.18 | 0.68 | 1.85 | -4.46 | -0.24 | -2.21 | -2.90 | | |
| C6-GMOD PISTON | -0.17 | -1.08 | -1.42 | -1.11 | 0.14 | 0.54 | -0.82 | -1.41 | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | -2.05 | 0.45 | -0.50 | -1.08 | -1.06 | 0.64 | 1.35 | 1.27 | | |
| CAL-D-COMPOSITE PISTON | -0.17 | 0.49 | 1.54 | -1.13 | 1.28 | -2.15 | -1.23 | 0.91 | | |
| MAXIMUM | -2.05 | 1.52 | 1.54 | 1.85 | -4.46 | -2.15 | -2.21 | -3.80 | | |
| MINIMUM | -0.17 | 0.18 | 0.02 | -0.80 | 0.12 | -0.02 | -0.02 | -0.45 | | |
| RANGE(MAX-MIN) | -1.880 | 1.340 | 1.520 | 2.650 | -4.580 | -2.130 | -2.190 | -3.350 | | |
| MEAN | 0.200 | 0.365 | -0.253 | -0.205 | -0.878 | 0.019 | -0.653 | -1.294 | | |
| STANDARD DEVIATION | 1.174 | 0.721 | 1.012 | 1.318 | 1.744 | 0.973 | 1.122 | 1.853 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Rodriguez, Jesus (Jesse)

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -0.44 | -1.18 | -0.44 | -0.96 | -1.38 | -0.43 | 0.35 | 0.38 | | |
| A2-SEQUENCE IIIG PISTON | -1.40 | 0.24 | -0.84 | -0.94 | 0.07 | -0.06 | -0.15 | 0.60 | | |
| A3-SEQUENCE IIIG PISTON | -0.69 | 0.24 | -0.45 | 0.48 | -0.13 | -0.46 | -0.76 | -0.02 | | |
| A4-SEQUENCE IIIG PISTON | 0.83 | 0.28 | -0.51 | -0.53 | -0.89 | -0.30 | 0.30 | 0.19 | | |
| A5-SEQUENCE IIIG PISTON | -0.41 | -2.49 | -1.60 | -0.36 | 0.22 | -0.31 | -0.64 | -0.62 | | |
| A6-GMOD PISTON | 1.01 | -1.29 | -0.10 | 0.74 | -0.82 | -0.66 | 0.76 | -0.20 | | |
| A7-GMOD PISTON | -1.67 | -0.82 | 0.60 | 1.80 | -0.82 | -0.62 | 0.99 | -0.40 | | |
| A8-FIELD PISTON | -0.90 | -0.43 | -0.90 | -0.44 | -0.87 | 0.11 | 0.49 | -0.55 | | |
| A9-FIELD PISTON | -0.53 | 0.04 | -0.16 | -0.64 | 0.03 | -0.41 | 1.10 | -0.78 | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.82 | -0.30 | -0.48 | -1.27 | -1.05 | -0.46 | -0.99 | -0.32 | | |
| CAL-B-COMPOSITE PISTON | 0.85 | -0.22 | 0.83 | -1.54 | -0.55 | -1.32 | 0.40 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -1.67 | -2.49 | -1.60 | 1.80 | -1.38 | -1.32 | 1.10 | -0.78 | | |
| MINIMUM | -0.41 | 0.04 | -0.10 | -0.36 | 0.03 | -0.06 | -0.15 | -0.02 | | |
| RANGE(MAX-MIN) | -1.260 | -2.530 | -1.500 | 2.160 | -1.410 | -1.260 | 1.250 | -0.760 | | |
| MEAN | -0.379 | -0.539 | -0.368 | -0.333 | -0.563 | -0.447 | 0.168 | -0.142 | | |
| STANDARD DEVIATION | 0.906 | 0.852 | 0.675 | 0.980 | 0.528 | 0.366 | 0.711 | 0.441 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Sanchez, Arthur

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|--------------------------|-------|--------|-------|--------|-------|--------|--------|--------|-------|-------|
| A1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIIG PISTON | 0.04 | -0.41 | 1.54 | -0.84 | 0.11 | -0.51 | -0.60 | -0.23 | | |
| B2-SEQUENCE IIIIG PISTON | 1.03 | 0.22 | 0.07 | -0.84 | 0.35 | -1.96 | 0.43 | 1.60 | | |
| B3-SEQUENCE IIIIG PISTON | -0.14 | -0.11 | -0.98 | -1.37 | -0.73 | -1.21 | 0.11 | 0.03 | | |
| B4-SEQUENCE IIIIH PISTON | 0.20 | 0.26 | 1.59 | 0.56 | 0.21 | -1.77 | 1.22 | 0.49 | | |
| B5-SEQUENCE IIIIH PISTON | 0.31 | 1.25 | -0.07 | 0.15 | 1.12 | 0.36 | -1.71 | -1.66 | | |
| B6-GMOD PISTON | 0.08 | -0.86 | -0.47 | -0.67 | 0.48 | -0.73 | 0.42 | -0.40 | | |
| B7-GMOD PISTON | -1.14 | -0.36 | -0.04 | 0.83 | 0.90 | -1.14 | -0.10 | -0.47 | | |
| B8-FIELD PISTON | -0.51 | 0.04 | -1.25 | -0.30 | -0.44 | -0.76 | -0.52 | -0.76 | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIIH PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | 1.40 | 0.31 | 1.46 | 0.31 | 0.70 | -0.34 | 0.00 | -0.19 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | 0.54 | -1.36 | 1.28 | -0.02 | 1.10 | -1.04 | -0.27 | -2.18 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 1.40 | -1.36 | 1.59 | -1.37 | 1.12 | -1.96 | -1.71 | -2.18 | | |
| MINIMUM | 0.04 | 0.04 | -0.04 | -0.02 | 0.11 | -0.34 | 0.00 | 0.03 | | |
| RANGE(MAX-MIN) | 1.360 | -1.400 | 1.630 | -1.350 | 1.010 | -1.620 | -1.710 | -2.210 | | |
| MEAN | 0.181 | -0.102 | 0.313 | -0.219 | 0.380 | -0.910 | -0.102 | -0.377 | | |
| STANDARD DEVIATION | 0.723 | 0.713 | 1.077 | 0.705 | 0.620 | 0.679 | 0.774 | 1.051 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Seiz, Ray

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|--------|--------|-------|--------|-------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | 2.30 | -0.97 | -2.41 | 2.89 | 1.07 | 0.24 | -0.98 | -2.97 | | |
| C2-SEQUENCE IIIG PISTON | -0.15 | 0.00 | 0.79 | 4.28 | 0.82 | -0.29 | 0.32 | 0.55 | | |
| C3-SEQUENCE IIIG PISTON | -0.36 | -0.07 | -0.63 | 1.20 | -0.16 | -0.24 | -1.01 | 1.20 | | |
| C4-SEQUENCE IIIG PISTON | 0.39 | 3.20 | 0.62 | -1.55 | 0.06 | 3.34 | -5.58 | -8.33 | | |
| C5-SEQUENCE IIIG PISTON | 0.42 | 0.18 | 0.68 | 1.06 | 0.48 | 0.85 | -1.02 | -2.30 | | |
| C6-GMOD PISTON | -0.17 | 1.62 | 0.97 | 0.29 | 0.29 | 2.48 | -0.41 | -1.51 | | |
| C7-GMOD PISTON | -2.96 | 0.41 | -0.09 | 0.88 | 0.06 | -0.02 | -0.96 | -1.16 | | |
| C8-FIELD PISTON | 8.31 | 1.01 | 0.38 | -4.35 | -1.94 | 4.47 | 2.30 | 1.37 | | |
| C9-FIELD PISTON | 4.33 | -3.22 | 1.52 | -2.83 | -0.29 | 7.68 | 7.12 | 4.54 | | |
| CAL-A-COMPOSITE PISTON | -0.53 | -0.32 | -0.12 | -0.30 | -0.21 | 0.10 | -0.21 | -0.19 | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | 0.65 | -0.69 | 0.47 | 4.96 | 1.53 | 0.90 | -0.47 | -1.77 | | |
| MAXIMUM | 8.31 | -3.22 | -2.41 | 4.96 | -1.94 | 7.68 | 7.12 | -8.33 | | |
| MINIMUM | -0.15 | 0.00 | -0.09 | 0.29 | 0.06 | -0.02 | -0.21 | -0.19 | | |
| RANGE(MAX-MIN) | 8.460 | -3.220 | -2.320 | 4.670 | -2.000 | 7.700 | 7.330 | -8.140 | | |
| MEAN | 1.112 | 0.105 | 0.198 | 0.594 | 0.155 | 1.774 | -0.082 | -0.961 | | |
| STANDARD DEVIATION | 2.991 | 1.608 | 1.043 | 2.833 | 0.902 | 2.518 | 3.025 | 3.231 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Trevino, Robert

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|--------|--------|-------|-------|--------|-------|-------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -0.17 | 0.29 | 0.14 | -0.48 | 1.20 | -0.34 | 0.51 | 0.80 | | |
| A2-SEQUENCE IIIG PISTON | -0.22 | 0.24 | 0.40 | -1.02 | -0.93 | -0.06 | 0.63 | 0.69 | | |
| A3-SEQUENCE IIIG PISTON | 0.93 | -0.56 | -1.05 | -0.68 | 0.13 | -0.40 | 0.70 | -0.42 | | |
| A4-SEQUENCE IIIG PISTON | -0.33 | 0.28 | 0.39 | 2.79 | 0.78 | -0.87 | 0.45 | 0.59 | | |
| A5-SEQUENCE IIIG PISTON | 0.09 | 0.01 | -1.06 | 0.22 | -0.09 | -0.58 | -0.04 | -0.02 | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | 0.59 | -0.22 | -0.49 | 0.43 | 0.68 | 0.15 | -0.32 | 0.59 | | |
| CAL-C-COMPOSITE PISTON | 0.17 | 0.56 | -0.15 | -0.96 | -0.16 | 0.13 | 1.35 | 1.27 | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | 0.93 | -0.56 | -1.06 | 2.79 | 1.20 | -0.87 | 1.35 | 1.27 | | |
| MINIMUM | 0.09 | 0.01 | 0.14 | 0.22 | -0.09 | -0.06 | -0.04 | -0.02 | | |
| RANGE(MAX-MIN) | 0.840 | -0.570 | -1.200 | 2.570 | 1.290 | -0.810 | 1.390 | 1.290 | | |
| MEAN | 0.151 | 0.086 | -0.260 | 0.043 | 0.230 | -0.281 | 0.469 | 0.500 | | |
| STANDARD DEVIATION | 0.461 | 0.375 | 0.625 | 1.333 | 0.714 | 0.378 | 0.538 | 0.556 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Veiga, Victor

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | -0.25 | 0.24 | 1.81 | -0.42 | 1.47 | -0.06 | 1.67 | 0.51 | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | 4.83 | 2.76 | 1.01 | 1.85 | 0.56 | 0.13 | 1.73 | 0.20 | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | -1.12 | -0.09 | 2.06 | 0.32 | 0.01 | -0.51 | 1.23 | -2.03 | | |
| B2-SEQUENCE IIIG PISTON | 0.28 | -0.16 | 1.81 | -0.25 | 0.80 | 0.42 | 0.72 | 2.29 | | |
| B3-SEQUENCE IIIG PISTON | -0.51 | 0.09 | 1.69 | 1.05 | 0.38 | -0.34 | 0.05 | -1.77 | | |
| B4-SEQUENCE IIIG PISTON | 0.20 | 0.26 | 2.05 | 1.18 | -0.24 | 1.88 | 1.63 | 0.36 | | |
| B5-SEQUENCE IIIG PISTON | 0.31 | 0.68 | 1.58 | -1.74 | -1.62 | 0.93 | 0.26 | 0.14 | | |
| B6-GMOD PISTON | -0.66 | 0.14 | 1.33 | -0.37 | 0.43 | 0.22 | 0.27 | 0.00 | | |
| B7-GMOD PISTON | -0.71 | 0.91 | 1.10 | 1.03 | -0.04 | -0.37 | 0.67 | -0.27 | | |
| B8-FIELD PISTON | -1.02 | -1.22 | 0.43 | 1.55 | 0.21 | 0.05 | 0.63 | 0.31 | | |
| B9-FIELD PISTON | 2.27 | -1.01 | -0.70 | 1.09 | 1.52 | 0.50 | -0.49 | 0.19 | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | -0.60 | -0.44 | 0.05 | 0.68 | 0.28 | -0.37 | 0.04 | 0.16 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | -0.74 | -7.16 | -0.25 | 1.04 | -0.35 | 1.39 | -0.47 | -0.87 | | |
| MAXIMUM | 4.83 | -7.16 | 2.06 | 1.85 | -1.62 | 1.88 | 1.73 | 2.29 | | |
| MINIMUM | 0.20 | -0.09 | 0.05 | -0.25 | 0.01 | 0.05 | 0.04 | 0.00 | | |
| RANGE(MAX-MIN) | 4.630 | -7.070 | 2.010 | 2.100 | -1.630 | 1.830 | 1.690 | 2.290 | | |
| MEAN | 0.175 | -0.385 | 1.075 | 0.539 | 0.262 | 0.298 | 0.611 | -0.060 | | |
| STANDARD DEVIATION | 1.652 | 2.257 | 0.916 | 0.993 | 0.806 | 0.726 | 0.768 | 1.076 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Viera, Ralph B.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|--------|-------|--------|--------|-------|-------|-------|-------|-------|
| A1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| A6-GMOD PISTON | | | | | | | | | | |
| A7-GMOD PISTON | | | | | | | | | | |
| A8-FIELD PISTON | | | | | | | | | | |
| A9-FIELD PISTON | | | | | | | | | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | 0.67 | -0.77 | 0.13 | -0.95 | 1.24 | 1.79 | 0.95 | 0.83 | | |
| C2-SEQUENCE IIIG PISTON | -0.75 | -1.20 | 0.89 | 0.49 | 0.65 | 0.52 | 1.67 | 1.55 | | |
| C3-SEQUENCE IIIG PISTON | 0.61 | -0.47 | 0.61 | 0.80 | -0.65 | 1.44 | 0.07 | -0.40 | | |
| C4-SEQUENCE IIIG PISTON | 0.69 | 0.90 | 0.18 | 1.12 | 0.38 | 1.88 | -1.46 | -1.00 | | |
| C5-SEQUENCE IIIG PISTON | -0.72 | -1.17 | -1.55 | -1.27 | 0.27 | -0.47 | 1.07 | 0.90 | | |
| C6-GMOD PISTON | 0.03 | 1.35 | -0.20 | -0.71 | 0.21 | 0.13 | 0.13 | 1.39 | | |
| C7-GMOD PISTON | -1.55 | 1.17 | 0.22 | -1.05 | 0.66 | -1.12 | 1.35 | 1.24 | | |
| C8-FIELD PISTON | 0.85 | 0.25 | 1.60 | 1.46 | -1.71 | 1.53 | -0.11 | 0.53 | | |
| C9-FIELD PISTON | -0.37 | -1.05 | 1.15 | -0.85 | -1.10 | 0.66 | -0.13 | 0.22 | | |
| CAL-A-COMPOSITE PISTON | | | | | | | | | | |
| CAL-B-COMPOSITE PISTON | | | | | | | | | | |
| CAL-C-COMPOSITE PISTON | -0.38 | 0.45 | 0.91 | -0.26 | 0.42 | 0.06 | 1.35 | 1.27 | | |
| CAL-D-COMPOSITE PISTON | -0.48 | -0.08 | 1.63 | 0.94 | 0.06 | -0.67 | 0.98 | 0.91 | | |
| MAXIMUM | -1.55 | 1.35 | 1.63 | 1.46 | -1.71 | 1.88 | 1.67 | 1.55 | | |
| MINIMUM | 0.03 | -0.08 | 0.13 | -0.26 | 0.06 | 0.06 | 0.07 | 0.22 | | |
| RANGE(MAX-MIN) | -1.580 | 1.430 | 1.500 | 1.720 | -1.770 | 1.820 | 1.600 | 1.330 | | |
| MEAN | -0.127 | -0.056 | 0.506 | -0.025 | 0.039 | 0.523 | 0.534 | 0.676 | | |
| STANDARD DEVIATION | 0.764 | 0.947 | 0.908 | 1.003 | 0.859 | 1.039 | 0.922 | 0.792 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Zalewski, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | G1TOT | G2TOT | G3TOT | L2TOT | L3TOT | UCTOT | THTOT | ATTOT | FRTOT | RRTOT |
|-------------------------|--------|-------|-------|-------|--------|-------|--------|--------|-------|-------|
| A1-SEQUENCE IIIG PISTON | -0.04 | 0.02 | 0.25 | 0.37 | 1.42 | -0.69 | 0.14 | 0.66 | | |
| A2-SEQUENCE IIIG PISTON | -0.05 | 0.24 | -1.84 | 3.48 | 0.27 | -0.06 | -2.41 | -1.83 | | |
| A3-SEQUENCE IIIG PISTON | -1.07 | -0.96 | -0.90 | 1.57 | 1.83 | -0.42 | -0.52 | -0.42 | | |
| A4-SEQUENCE IIIG PISTON | 0.25 | 3.57 | -0.55 | 0.57 | 1.13 | 2.12 | 0.05 | 0.51 | | |
| A5-SEQUENCE IIIG PISTON | 0.68 | -0.17 | -0.09 | 0.74 | -1.85 | 0.56 | -2.04 | -2.02 | | |
| A6-GMOD PISTON | -1.84 | 0.77 | 0.16 | 1.84 | 0.00 | 1.31 | 0.21 | -2.00 | | |
| A7-GMOD PISTON | -1.67 | 1.19 | -0.75 | 1.07 | 0.56 | -0.33 | -1.98 | -1.80 | | |
| A8-FIELD PISTON | -1.01 | 2.39 | 0.64 | 0.21 | -0.72 | 3.26 | -0.42 | 1.08 | | |
| A9-FIELD PISTON | 1.27 | 1.10 | 2.50 | 2.88 | 1.32 | -0.25 | -5.49 | 1.04 | | |
| B1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| B6-GMOD PISTON | | | | | | | | | | |
| B7-GMOD PISTON | | | | | | | | | | |
| B8-FIELD PISTON | | | | | | | | | | |
| B9-FIELD PISTON | | | | | | | | | | |
| C1-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C2-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C3-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C4-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C5-SEQUENCE IIIG PISTON | | | | | | | | | | |
| C6-GMOD PISTON | | | | | | | | | | |
| C7-GMOD PISTON | | | | | | | | | | |
| C8-FIELD PISTON | | | | | | | | | | |
| C9-FIELD PISTON | | | | | | | | | | |
| CAL-A-COMPOSITE PISTON | -0.27 | -0.38 | -0.56 | -0.40 | 0.07 | 0.38 | -0.95 | 0.56 | | |
| CAL-B-COMPOSITE PISTON | -2.57 | 0.23 | 1.70 | 0.68 | 0.98 | 1.49 | 2.21 | 1.60 | | |
| CAL-C-COMPOSITE PISTON | | | | | | | | | | |
| CAL-D-COMPOSITE PISTON | | | | | | | | | | |
| MAXIMUM | -2.57 | 3.57 | 2.50 | 3.48 | -1.85 | 3.26 | -5.49 | -2.02 | | |
| MINIMUM | -0.04 | 0.02 | -0.09 | 0.21 | 0.00 | -0.06 | 0.05 | -0.42 | | |
| RANGE(MAX-MIN) | -2.530 | 3.550 | 2.590 | 3.270 | -1.850 | 3.320 | -5.540 | -1.600 | | |
| MEAN | -0.575 | 0.727 | 0.051 | 1.183 | 0.455 | 0.670 | -1.018 | -0.238 | | |
| STANDARD DEVIATION | 1.163 | 1.306 | 1.224 | 1.170 | 1.067 | 1.241 | 1.973 | 1.416 | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Aguirre, Nancy P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|-------|--------|--------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.05 | 0.38 | -0.67 | -0.24 | 0.03 | -0.04 | 0.13 | 0.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.12 | -1.63 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 1.04 | 0.76 | 0.24 | 0.40 | -0.29 | 0.29 | -0.41 | -0.95 |
| VALCAL-CAL. INTAKE VALVES | -0.92 | 0.52 | | | | | | | | | | | | | | |
| MAXIMUM | -0.92 | 0.52 | -0.67 | -0.24 | 0.03 | -0.04 | 0.13 | 0.21 | 1.04 | -1.63 | 0.24 | 0.40 | -0.29 | 0.29 | -0.41 | -0.95 |
| MINIMUM | 0.05 | 0.38 | -0.67 | -0.24 | 0.03 | -0.04 | 0.13 | 0.21 | -0.12 | 0.76 | 0.24 | 0.40 | -0.29 | 0.29 | -0.41 | -0.95 |
| RANGE(MAX-MIN) | -0.970 | 0.140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.160 | -2.390 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.435 | 0.450 | -0.670 | -0.240 | 0.030 | -0.040 | 0.130 | 0.210 | 0.460 | -0.435 | 0.240 | 0.400 | -0.290 | 0.290 | -0.410 | -0.950 |
| STANDARD DEVIATION | 0.686 | 0.099 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.820 | 1.690 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Barrera, Tony

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.74 | 1.92 | 0.65 | -0.98 | 1.04 | -0.53 | -1.60 | 0.30 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -2.34 | -1.67 | -2.12 | -1.00 | -1.15 | -0.04 | 1.26 | 0.71 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.38 | -0.50 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.37 | -0.52 | -0.43 | -0.81 | -0.73 | -0.34 | -0.70 | -0.28 |
| VALCAL-CAL. INTAKE VALVES | -0.47 | 1.28 | | | | | | | | | | | | | | |
| MAXIMUM | -2.34 | 1.92 | -2.12 | -1.00 | -1.15 | -0.53 | -1.60 | 0.71 | -0.38 | -0.52 | -0.43 | -0.81 | -0.73 | -0.34 | -0.70 | -0.28 |
| MINIMUM | -0.47 | 1.28 | 0.65 | -0.98 | 1.04 | -0.04 | 1.26 | 0.30 | -0.37 | -0.50 | -0.43 | -0.81 | -0.73 | -0.34 | -0.70 | -0.28 |
| RANGE(MAX-MIN) | -1.870 | 0.640 | -2.770 | -0.020 | -2.190 | -0.490 | -2.860 | 0.410 | -0.010 | -0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.690 | 0.510 | -0.735 | -0.990 | -0.055 | -0.285 | -0.170 | 0.505 | -0.375 | -0.510 | -0.430 | -0.810 | -0.730 | -0.340 | -0.700 | -0.280 |
| STANDARD DEVIATION | 1.552 | 1.915 | 1.959 | 0.050 | 1.549 | 0.346 | 2.022 | 0.290 | 0.050 | 0.050 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Broff, Andy

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.54 | -0.33 | 0.30 | 1.13 | -0.82 | 0.93 | 0.74 | 0.93 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.49 | 0.06 | -0.67 | -1.25 | -0.27 | -1.15 | -2.14 | -0.80 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.91 | -0.03 | 0.33 | 0.52 | 0.30 | 1.21 | -1.24 | -0.48 |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | 0.54 | -0.33 | -0.67 | -1.25 | -0.82 | -1.15 | -2.14 | 0.93 | -0.91 | -0.03 | 0.33 | 0.52 | 0.30 | 1.21 | -1.24 | -0.48 |
| MINIMUM | 0.49 | 0.06 | 0.30 | 1.13 | -0.27 | 0.93 | 0.74 | -0.80 | -0.91 | -0.03 | 0.33 | 0.52 | 0.30 | 1.21 | -1.24 | -0.48 |
| RANGE(MAX-MIN) | 0.050 | -0.390 | -0.970 | -2.380 | -0.550 | -2.080 | -2.880 | 1.730 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.515 | -0.135 | -0.185 | -0.060 | -0.545 | -0.110 | -0.700 | 0.065 | -0.910 | -0.030 | 0.330 | 0.520 | 0.300 | 1.210 | -1.240 | -0.480 |
| STANDARD DEVIATION | 0.050 | 0.276 | 0.686 | 1.683 | 0.389 | 1.471 | 2.036 | 1.223 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Cales, Jonathon

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Campbell, Bryan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 1.14 | 0.24 | 0.47 | 1.60 | -0.20 | 1.81 | 1.33 | 1.24 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.93 | 0.69 | 1.25 | 1.28 | 0.76 | 1.63 | 1.54 | 1.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.12 | -0.21 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 1.33 | 1.22 | 1.62 | 1.04 | 2.11 | 1.93 | 2.53 | 1.22 |
| VALCAL-CAL. INTAKE VALVES | -2.71 | -3.30 | | | | | | | | | | | | | | |
| MAXIMUM | -2.71 | -3.30 | 1.25 | 1.60 | 0.76 | 1.81 | 1.54 | 1.24 | 1.33 | 1.22 | 1.62 | 1.04 | 2.11 | 1.93 | 2.53 | 1.22 |
| MINIMUM | 0.93 | 0.24 | 0.47 | 1.28 | -0.20 | 1.63 | 1.33 | 1.21 | -0.12 | -0.21 | 1.62 | 1.04 | 2.11 | 1.93 | 2.53 | 1.22 |
| RANGE(MAX-MIN) | -3.640 | -3.540 | 0.780 | 0.320 | 0.960 | 0.180 | 0.210 | 0.030 | 1.450 | 1.430 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.213 | -0.790 | 0.860 | 1.440 | 0.280 | 1.720 | 1.435 | 1.225 | 0.605 | 0.505 | 1.620 | 1.040 | 2.110 | 1.930 | 2.530 | 1.220 |
| STANDARD DEVIATION | 2.165 | 2.185 | 0.552 | 0.226 | 0.679 | 0.127 | 0.148 | 0.050 | 1.025 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Caproni, David

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Castillo, George

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -0.86 | -0.70 | 0.65 | 0.66 | -0.20 | 0.93 | 0.74 | 0.30 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.16 | 0.06 | 0.05 | 0.02 | 0.17 | -0.59 | -0.16 | -1.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.64 | -0.63 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.33 | -1.13 | -0.80 | -1.02 | -1.04 | -0.29 | -0.16 | -0.36 |
| VALCAL-CAL. INTAKE VALVES | -0.47 | -0.63 | | | | | | | | | | | | | | |
| MAXIMUM | -0.86 | -0.70 | 0.65 | 0.66 | -0.20 | 0.93 | 0.74 | -1.30 | -0.64 | -1.13 | -0.80 | -1.02 | -1.04 | -0.29 | -0.16 | -0.36 |
| MINIMUM | -0.16 | 0.06 | 0.05 | 0.02 | 0.17 | -0.59 | -0.16 | 0.30 | -0.33 | -0.63 | -0.80 | -1.02 | -1.04 | -0.29 | -0.16 | -0.36 |
| RANGE(MAX-MIN) | -0.700 | -0.760 | 0.600 | 0.640 | -0.370 | 1.520 | 0.900 | -1.600 | -0.310 | -0.500 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.497 | -0.423 | 0.350 | 0.340 | -0.015 | 0.170 | 0.290 | -0.500 | -0.485 | -0.880 | -0.800 | -1.020 | -1.040 | -0.290 | -0.160 | -0.360 |
| STANDARD DEVIATION | 0.351 | 0.420 | 0.424 | 0.453 | 0.262 | 1.075 | 0.636 | 1.131 | 0.219 | 0.354 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= DeCapite, Vanessa

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.93 | 0.69 | 1.01 | 1.03 | 0.76 | 1.63 | 0.98 | 1.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.39 | 0.11 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | 1.32 | 0.90 | | | | | | | | | | | | | | |
| MAXIMUM | 1.32 | 0.90 | 1.01 | 1.03 | 0.76 | 1.63 | 0.98 | 1.21 | 0.39 | 0.11 | | | | | | |
| MINIMUM | 0.93 | 0.69 | 1.01 | 1.03 | 0.76 | 1.63 | 0.98 | 1.21 | 0.39 | 0.11 | | | | | | |
| RANGE(MAX-MIN) | 0.390 | 0.210 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | |
| MEAN | 1.125 | 0.795 | 1.010 | 1.030 | 0.760 | 1.630 | 0.980 | 1.210 | 0.390 | 0.110 | | | | | | |
| STANDARD DEVIATION | 0.276 | 0.148 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Dominguez, Lucio

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -0.46 | -1.08 | 0.12 | 0.43 | 2.29 | 0.05 | 0.35 | -0.02 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.49 | 0.38 | 0.77 | 1.03 | 0.76 | 0.52 | 0.13 | 0.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.72 | 0.31 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.33 | 1.86 | 1.25 | 1.16 | -0.17 | 0.82 | 0.54 | 1.10 |
| VALCAL-CAL. INTAKE VALVES | -0.02 | 1.66 | | | | | | | | | | | | | | |
| MAXIMUM | 0.49 | 1.66 | 0.77 | 1.03 | 2.29 | 0.52 | 0.35 | 0.21 | 0.72 | 1.86 | 1.25 | 1.16 | -0.17 | 0.82 | 0.54 | 1.10 |
| MINIMUM | -0.02 | 0.38 | 0.12 | 0.43 | 0.76 | 0.05 | 0.13 | -0.02 | -0.33 | 0.31 | 1.25 | 1.16 | -0.17 | 0.82 | 0.54 | 1.10 |
| RANGE(MAX-MIN) | 0.510 | 1.280 | 0.650 | 0.600 | 1.530 | 0.470 | 0.220 | 0.230 | 1.050 | 1.550 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.003 | 0.320 | 0.445 | 0.730 | 1.525 | 0.285 | 0.240 | 0.095 | 0.195 | 1.085 | 1.250 | 1.160 | -0.170 | 0.820 | 0.540 | 1.100 |
| STANDARD DEVIATION | 0.475 | 1.371 | 0.460 | 0.424 | 1.082 | 0.332 | 0.156 | 0.163 | 0.742 | 1.096 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Foecking, Brian

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -1.26 | -1.45 | -2.32 | -1.45 | -1.45 | -1.41 | -0.63 | -1.60 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.05 | 0.22 | 0.53 | 0.52 | 0.47 | -0.04 | -0.72 | -0.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.45 | 0.40 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 0.88 | 0.19 | 0.91 | 1.00 | 0.67 | -0.72 | 0.17 | 0.63 |
| VALCAL-CAL. INTAKE VALVES | 0.42 | -0.25 | | | | | | | | | | | | | | |
| MAXIMUM | -1.26 | -1.45 | -2.32 | -1.45 | -1.45 | -1.41 | -0.72 | -1.60 | 0.88 | 0.40 | 0.91 | 1.00 | 0.67 | -0.72 | 0.17 | 0.63 |
| MINIMUM | 0.05 | 0.22 | 0.53 | 0.52 | 0.47 | -0.04 | -0.63 | -0.30 | 0.45 | 0.19 | 0.91 | 1.00 | 0.67 | -0.72 | 0.17 | 0.63 |
| RANGE(MAX-MIN) | -1.310 | -1.670 | -2.850 | -1.970 | -1.920 | -1.370 | -0.090 | -1.300 | 0.430 | 0.210 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.263 | -0.493 | -0.895 | -0.465 | -0.490 | -0.725 | -0.675 | -0.950 | 0.665 | 0.295 | 0.910 | 1.000 | 0.670 | -0.720 | 0.170 | 0.630 |
| STANDARD DEVIATION | 0.883 | 0.861 | 2.015 | 1.393 | 1.358 | 0.969 | 0.064 | 0.919 | 0.304 | 0.148 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Garza, Juan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Greenland, Paul

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Hurst, Kevin R.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= King, Jennifer

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|-------|--------|-------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -1.06 | 0.61 | -0.93 | -0.04 | -0.82 | 0.64 | 0.74 | 0.93 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.71 | 0.69 | 0.77 | 1.03 | 0.76 | 1.07 | 0.41 | 0.71 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -1.68 | -1.81 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 0.00 | -0.38 | 0.30 | -0.05 | 0.11 | -0.24 | -0.49 | -0.16 |
| VALCAL-CAL. INTAKE VALVES | -0.02 | 0.14 | | | | | | | | | | | | | | |
| MAXIMUM | -1.06 | 0.69 | -0.93 | 1.03 | -0.82 | 1.07 | 0.74 | 0.93 | -1.68 | -1.81 | 0.30 | -0.05 | 0.11 | -0.24 | -0.49 | -0.16 |
| MINIMUM | -0.02 | 0.14 | 0.77 | -0.04 | 0.76 | 0.64 | 0.41 | 0.71 | 0.00 | -0.38 | 0.30 | -0.05 | 0.11 | -0.24 | -0.49 | -0.16 |
| RANGE(MAX-MIN) | -1.040 | 0.550 | -1.700 | 1.070 | -1.580 | 0.430 | 0.330 | 0.220 | -1.680 | -1.430 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.123 | 0.480 | -0.080 | 0.495 | -0.030 | 0.855 | 0.575 | 0.820 | -0.840 | -1.095 | 0.300 | -0.050 | 0.110 | -0.240 | -0.490 | -0.160 |
| STANDARD DEVIATION | 0.890 | 0.297 | 1.202 | 0.757 | 1.117 | 0.304 | 0.233 | 0.156 | 1.188 | 1.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Kobrinetz, Joaquin J.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -1.46 | -0.70 | -1.45 | -2.15 | -0.20 | -2.29 | -1.99 | -2.54 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.38 | -0.09 | 0.05 | -0.24 | -0.27 | -1.15 | 0.13 | -0.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | 0.42 | -0.63 | | | | | | | | | | | | | | |
| MAXIMUM | -1.46 | -0.70 | -1.45 | -2.15 | -0.27 | -2.29 | -1.99 | -2.54 | | | | | | | | |
| MINIMUM | -0.38 | -0.09 | 0.05 | -0.24 | -0.20 | -1.15 | 0.13 | -0.30 | | | | | | | | |
| RANGE(MAX-MIN) | -1.080 | -0.610 | -1.500 | -1.910 | -0.070 | -1.140 | -2.120 | -2.240 | | | | | | | | |
| MEAN | -0.473 | -0.473 | -0.700 | -1.195 | -0.235 | -1.720 | -0.930 | -1.420 | | | | | | | | |
| STANDARD DEVIATION | 0.943 | 0.334 | 1.061 | 1.351 | 0.050 | 0.806 | 1.499 | 1.584 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Langford, Mike

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lonsway, Chris

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 2.22 | 1.98 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | 1.32 | 0.14 | | | | | | | | | | | | | | |
| MAXIMUM | 1.32 | 0.14 | | | | | | | 2.22 | 1.98 | | | | | | |
| MINIMUM | 1.32 | 0.14 | | | | | | | 2.22 | 1.98 | | | | | | |
| RANGE(MAX-MIN) | 0.000 | 0.000 | | | | | | | 0.000 | 0.000 | | | | | | |
| MEAN | 1.320 | 0.140 | | | | | | | 2.220 | 1.980 | | | | | | |
| STANDARD DEVIATION | 0.000 | 0.000 | | | | | | | 0.000 | 0.000 | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lopez, Frank

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.34 | -0.14 | 0.30 | -0.04 | 0.01 | 0.34 | 0.74 | 0.61 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.93 | 0.69 | 1.01 | 0.52 | 0.91 | 1.07 | 0.69 | 1.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.21 | 0.76 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.41 | -0.24 | -1.07 | -0.49 | -0.45 | -1.45 | -0.82 | -0.72 |
| VALCAL-CAL. INTAKE VALVES | 1.32 | 0.14 | | | | | | | | | | | | | | |
| MAXIMUM | 1.32 | 0.69 | 1.01 | 0.52 | 0.91 | 1.07 | 0.74 | 1.21 | -0.41 | 0.76 | -1.07 | -0.49 | -0.45 | -1.45 | -0.82 | -0.72 |
| MINIMUM | 0.34 | -0.14 | 0.30 | -0.04 | 0.01 | 0.34 | 0.69 | 0.61 | 0.21 | -0.24 | -1.07 | -0.49 | -0.45 | -1.45 | -0.82 | -0.72 |
| RANGE(MAX-MIN) | 0.980 | 0.830 | 0.710 | 0.560 | 0.900 | 0.730 | 0.050 | 0.600 | -0.620 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.863 | 0.230 | 0.655 | 0.240 | 0.460 | 0.705 | 0.715 | 0.910 | -0.100 | 0.260 | -1.070 | -0.490 | -0.450 | -1.450 | -0.820 | -0.720 |
| STANDARD DEVIATION | 0.493 | 0.422 | 0.502 | 0.396 | 0.636 | 0.516 | 0.050 | 0.424 | 0.438 | 0.707 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lowsky, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.54 | -1.08 | 0.30 | 0.43 | -1.34 | 0.05 | 0.35 | 0.30 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.60 | -0.57 | -0.92 | -2.77 | -1.15 | -0.59 | -2.14 | -0.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.32 | -0.27 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.21 | -1.09 | -1.71 | -1.30 | -0.98 | -1.20 | -0.24 | -0.36 |
| VALCAL-CAL. INTAKE VALVES | 0.42 | 0.52 | | | | | | | | | | | | | | |
| MAXIMUM | -0.60 | -1.08 | -0.92 | -2.77 | -1.34 | -0.59 | -2.14 | 0.30 | -0.32 | -1.09 | -1.71 | -1.30 | -0.98 | -1.20 | -0.24 | -0.36 |
| MINIMUM | 0.42 | 0.52 | 0.30 | 0.43 | -1.15 | 0.05 | 0.35 | 0.30 | -0.21 | -0.27 | -1.71 | -1.30 | -0.98 | -1.20 | -0.24 | -0.36 |
| RANGE(MAX-MIN) | -1.020 | -1.600 | -1.220 | -3.200 | -0.190 | -0.640 | -2.490 | 0.000 | -0.110 | -0.820 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.120 | -0.377 | -0.310 | -1.170 | -1.245 | -0.270 | -0.895 | 0.000 | -0.265 | -0.680 | -1.710 | -1.300 | -0.980 | -1.200 | -0.240 | -0.360 |
| STANDARD DEVIATION | 0.626 | 0.817 | 0.863 | 2.263 | 0.134 | 0.453 | 1.761 | 0.424 | 0.078 | 0.580 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= May, Marianne

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -0.66 | -0.14 | -0.40 | -0.51 | -0.20 | -0.53 | -0.24 | -0.65 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.16 | 0.22 | 0.05 | 0.02 | 0.32 | -0.04 | 0.41 | 0.21 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | -0.02 | -0.63 | | | | | | | | | | | | | | |
| MAXIMUM | -0.66 | -0.63 | -0.40 | -0.51 | 0.32 | -0.53 | 0.41 | -0.65 | | | | | | | | |
| MINIMUM | -0.02 | -0.14 | 0.05 | 0.02 | -0.20 | -0.04 | -0.24 | 0.21 | | | | | | | | |
| RANGE(MAX-MIN) | -0.640 | -0.490 | -0.450 | -0.530 | 0.520 | -0.490 | 0.650 | -0.860 | | | | | | | | |
| MEAN | -0.280 | -0.183 | -0.175 | -0.245 | 0.060 | -0.285 | 0.085 | -0.220 | | | | | | | | |
| STANDARD DEVIATION | 0.336 | 0.427 | 0.318 | 0.375 | 0.368 | 0.346 | 0.460 | 0.608 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Potocar, William P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Price, Gregory

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 1.98 | 0.54 | 1.87 | 0.66 | 0.63 | 0.34 | 0.25 | -0.33 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.71 | 0.06 | 0.53 | 0.45 | 0.22 | 0.69 | 0.13 | 1.11 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.74 | 1.12 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 1.83 | 0.86 | 0.70 | 1.00 | 1.02 | 1.60 | 1.12 | 1.65 |
| VALCAL-CAL. INTAKE VALVES | -0.47 | 0.48 | | | | | | | | | | | | | | |
| MAXIMUM | 1.98 | 0.54 | 1.87 | 0.66 | 0.63 | 0.69 | 0.25 | 1.11 | 1.83 | 1.12 | 0.70 | 1.00 | 1.02 | 1.60 | 1.12 | 1.65 |
| MINIMUM | -0.47 | 0.06 | 0.53 | 0.45 | 0.22 | 0.34 | 0.13 | -0.33 | 0.74 | 0.86 | 0.70 | 1.00 | 1.02 | 1.60 | 1.12 | 1.65 |
| RANGE(MAX-MIN) | 2.450 | 0.480 | 1.340 | 0.210 | 0.410 | 0.350 | 0.120 | 1.440 | 1.090 | 0.260 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.740 | 0.360 | 1.200 | 0.555 | 0.425 | 0.515 | 0.190 | 0.390 | 1.285 | 0.990 | 0.700 | 1.000 | 1.020 | 1.600 | 1.120 | 1.650 |
| STANDARD DEVIATION | 1.225 | 0.262 | 0.948 | 0.148 | 0.290 | 0.247 | 0.085 | 1.018 | 0.771 | 0.184 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Reese, Kyle

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Rodriguez, Jesus (Jesse)

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | -1.46 | -0.70 | -1.28 | -0.04 | -0.82 | -0.24 | 0.35 | 0.61 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.49 | 0.06 | -0.19 | -0.74 | -0.71 | -1.70 | -1.57 | -1.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.56 | -0.39 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 1.17 | 0.47 | -0.19 | 0.23 | 0.99 | 0.68 | -0.08 | 1.46 |
| VALCAL-CAL. INTAKE VALVES | 1.32 | 0.14 | | | | | | | | | | | | | | |
| MAXIMUM | -1.46 | -0.70 | -1.28 | -0.74 | -0.82 | -1.70 | -1.57 | -1.30 | 1.17 | 0.47 | -0.19 | 0.23 | 0.99 | 0.68 | -0.08 | 1.46 |
| MINIMUM | 0.49 | 0.06 | -0.19 | -0.04 | -0.71 | -0.24 | 0.35 | 0.61 | -0.56 | -0.39 | -0.19 | 0.23 | 0.99 | 0.68 | -0.08 | 1.46 |
| RANGE(MAX-MIN) | -1.950 | -0.760 | -1.090 | -0.700 | -0.110 | -1.460 | -1.920 | -1.910 | 1.730 | 0.860 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.117 | -0.167 | -0.735 | -0.390 | -0.765 | -0.970 | -0.610 | -0.345 | 0.305 | 0.040 | -0.190 | 0.230 | 0.990 | 0.680 | -0.080 | 1.460 |
| STANDARD DEVIATION | 1.427 | 0.464 | 0.771 | 0.495 | 0.078 | 1.032 | 1.358 | 1.351 | 1.223 | 0.608 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Sanchez, Arthur

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.74 | -0.70 | 0.82 | 1.13 | -0.20 | 1.22 | 0.94 | 0.61 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.49 | 0.54 | 0.53 | 0.78 | 0.61 | -0.04 | 0.69 | 0.71 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -0.06 | 0.06 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -1.49 | -1.31 | -1.35 | -1.30 | -1.04 | -0.53 | -0.95 | -0.48 |
| VALCAL-CAL. INTAKE VALVES | -0.47 | -0.25 | | | | | | | | | | | | | | |
| MAXIMUM | 0.74 | -0.70 | 0.82 | 1.13 | 0.61 | 1.22 | 0.94 | 0.71 | -1.49 | -1.31 | -1.35 | -1.30 | -1.04 | -0.53 | -0.95 | -0.48 |
| MINIMUM | -0.47 | -0.25 | 0.53 | 0.78 | -0.20 | -0.04 | 0.69 | 0.61 | -0.06 | 0.06 | -1.35 | -1.30 | -1.04 | -0.53 | -0.95 | -0.48 |
| RANGE(MAX-MIN) | 1.210 | -0.450 | 0.290 | 0.350 | 0.810 | 1.260 | 0.250 | 0.100 | -1.430 | -1.370 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.253 | -0.137 | 0.675 | 0.955 | 0.205 | 0.590 | 0.815 | 0.660 | -0.775 | -0.625 | -1.350 | -1.300 | -1.040 | -0.530 | -0.950 | -0.480 |
| STANDARD DEVIATION | 0.639 | 0.628 | 0.205 | 0.247 | 0.573 | 0.891 | 0.177 | 0.071 | 1.011 | 0.969 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Seiz, Ray

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.14 | 1.17 | 0.47 | 0.43 | 1.25 | 0.05 | 0.35 | 0.30 | | | | | | | | |
| I1-8-INTAKE VALVE SET | 0.71 | 0.69 | 0.53 | 0.52 | 0.61 | 1.07 | 0.41 | 0.71 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | -2.09 | -0.97 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -0.62 | -1.34 | -0.58 | -1.70 | -1.60 | -0.87 | -0.90 | -2.18 |
| VALCAL-CAL. INTAKE VALVES | 0.42 | -0.25 | | | | | | | | | | | | | | |
| MAXIMUM | 0.71 | 1.17 | 0.53 | 0.52 | 1.25 | 1.07 | 0.41 | 0.71 | -2.09 | -1.34 | -0.58 | -1.70 | -1.60 | -0.87 | -0.90 | -2.18 |
| MINIMUM | 0.14 | -0.25 | 0.47 | 0.43 | 0.61 | 0.05 | 0.35 | 0.30 | -0.62 | -0.97 | -0.58 | -1.70 | -1.60 | -0.87 | -0.90 | -2.18 |
| RANGE(MAX-MIN) | 0.570 | 1.420 | 0.060 | 0.090 | 0.640 | 1.020 | 0.060 | 0.410 | -1.470 | -0.370 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | 0.423 | 0.537 | 0.500 | 0.475 | 0.930 | 0.560 | 0.380 | 0.505 | -1.355 | -1.155 | -0.580 | -1.700 | -1.600 | -0.870 | -0.900 | -2.180 |
| STANDARD DEVIATION | 0.285 | 0.722 | 0.050 | 0.064 | 0.453 | 0.721 | 0.050 | 0.290 | 1.039 | 0.262 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Trevino, Robert

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.16 | 0.22 | 0.05 | 0.27 | 0.47 | -0.04 | -0.16 | -0.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 0.05 | 0.18 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | 0.04 | -0.60 | -0.58 | -0.05 | -0.11 | -0.82 | 0.17 | -0.24 |
| VALCAL-CAL. INTAKE VALVES | -1.36 | 0.52 | | | | | | | | | | | | | | |
| MAXIMUM | -1.36 | 0.52 | 0.05 | 0.27 | 0.47 | -0.04 | -0.16 | -0.30 | 0.05 | -0.60 | -0.58 | -0.05 | -0.11 | -0.82 | 0.17 | -0.24 |
| MINIMUM | -0.16 | 0.22 | 0.05 | 0.27 | 0.47 | -0.04 | -0.16 | -0.30 | 0.04 | 0.18 | -0.58 | -0.05 | -0.11 | -0.82 | 0.17 | -0.24 |
| RANGE(MAX-MIN) | -1.200 | 0.300 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | -0.780 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.760 | 0.370 | 0.050 | 0.270 | 0.470 | -0.040 | -0.160 | -0.300 | 0.045 | -0.210 | -0.580 | -0.050 | -0.110 | -0.820 | 0.170 | -0.240 |
| STANDARD DEVIATION | 0.849 | 0.212 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.050 | 0.552 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Veiga, Victor

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|----|----|----|----|----|----|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| I1-8-INTAKE VALVE SET | | | | | | | | | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | | | | | | | | | | | | | | | | |
| MAXIMUM | | | | | | | | | | | | | | | | |
| MINIMUM | | | | | | | | | | | | | | | | |
| RANGE(MAX-MIN) | | | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | | | |
| STANDARD DEVIATION | | | | | | | | | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Viera, Ralph B.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.54 | 0.80 | 0.12 | -0.04 | -0.20 | -0.53 | -0.63 | -1.28 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -0.38 | 0.22 | 0.05 | 0.02 | 0.03 | -0.59 | -0.44 | -1.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | | | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | | | | | | | | |
| VALCAL-CAL. INTAKE VALVES | -0.47 | -0.63 | | | | | | | | | | | | | | |
| MAXIMUM | 0.54 | 0.80 | 0.12 | -0.04 | -0.20 | -0.59 | -0.63 | -1.30 | | | | | | | | |
| MINIMUM | -0.38 | 0.22 | 0.05 | 0.02 | 0.03 | -0.53 | -0.44 | -1.28 | | | | | | | | |
| RANGE(MAX-MIN) | 0.920 | 0.580 | 0.070 | -0.060 | -0.230 | -0.060 | -0.190 | -0.020 | | | | | | | | |
| MEAN | -0.103 | 0.130 | 0.085 | -0.010 | -0.085 | -0.560 | -0.535 | -1.290 | | | | | | | | |
| STANDARD DEVIATION | 0.559 | 0.719 | 0.050 | 0.050 | 0.163 | 0.050 | 0.134 | 0.050 | | | | | | | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Zalewski, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H1-8-INTAKE VALVE SET | 0.54 | 1.74 | 0.30 | -1.21 | 1.25 | -0.83 | -1.80 | 0.30 | | | | | | | | |
| I1-8-INTAKE VALVE SET | -2.78 | -3.56 | -2.60 | -1.25 | -3.35 | -1.70 | 0.41 | -2.30 | | | | | | | | |
| PTCAL-CAL. PISTON TOPS | | | | | | | | | 1.18 | 1.46 | | | | | | |
| PTOP-PISTON TOPS | | | | | | | | | -1.62 | 1.29 | 1.34 | 1.36 | 1.20 | -0.09 | 1.45 | 0.15 |
| VALCAL-CAL. INTAKE VALVES | 0.42 | 0.14 | | | | | | | | | | | | | | |
| MAXIMUM | -2.78 | -3.56 | -2.60 | -1.25 | -3.35 | -1.70 | -1.80 | -2.30 | -1.62 | 1.46 | 1.34 | 1.36 | 1.20 | -0.09 | 1.45 | 0.15 |
| MINIMUM | 0.42 | 0.14 | 0.30 | -1.21 | 1.25 | -0.83 | 0.41 | 0.30 | 1.18 | 1.29 | 1.34 | 1.36 | 1.20 | -0.09 | 1.45 | 0.15 |
| RANGE(MAX-MIN) | -3.200 | -3.700 | -2.900 | -0.040 | -4.600 | -0.870 | -2.210 | -2.600 | -2.800 | 0.170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MEAN | -0.607 | -0.560 | -1.150 | -1.230 | -1.050 | -1.265 | -0.695 | -1.000 | -0.220 | 1.375 | 1.340 | 1.360 | 1.200 | -0.090 | 1.450 | 0.150 |
| STANDARD DEVIATION | 1.883 | 2.718 | 2.051 | 0.050 | 3.253 | 0.615 | 1.563 | 1.838 | 1.980 | 0.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Aguirre, Nancy P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -0.71 | -1.26 | -0.54 | 0.83 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -0.10 | -0.72 | 0.24 | -0.19 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.44 | 0.85 | 1.22 | 1.29 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | 0.08 | 0.08 | -1.28 | -1.51 | -1.03 | -0.44 | -0.17 | -0.90 | |
| R1-8-SEQ. VG PISTONS | -0.49 | -0.95 | 0.99 | 0.35 | -1.20 | -0.04 | 0.69 | 0.25 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.36 | -0.72 | -0.26 | 0.16 | -1.00 | -0.39 | -0.34 | -0.47 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.41 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.06 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.01 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.56 |
| MAXIMUM | -0.71 | -1.26 | -1.28 | -1.51 | -1.20 | -0.44 | 0.69 | -0.90 | -0.56 |
| MINIMUM | 0.08 | 0.08 | 0.24 | 0.16 | -1.00 | -0.04 | -0.17 | 0.25 | 0.01 |
| RANGE(MAX-MIN) | -0.790 | -1.340 | -1.520 | -1.670 | -0.200 | -0.400 | 0.860 | -1.150 | -0.570 |
| MEAN | -0.190 | -0.453 | 0.062 | 0.155 | -1.077 | -0.290 | 0.060 | -0.373 | -0.020 |
| STANDARD DEVIATION | 0.416 | 0.778 | 0.949 | 0.967 | 0.108 | 0.218 | 0.552 | 0.581 | 0.402 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Barrera, Tony

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.38 | -0.99 | -0.28 | -0.20 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -1.30 | -2.08 | -1.23 | -0.85 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 1.01 | 0.46 | 0.15 | -0.14 | | | | | |
| P1-8-SEQ. VG PISTONS | -0.74 | -0.77 | -0.30 | -0.29 | -1.50 | -1.03 | -0.50 | -0.34 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | -1.50 | -1.35 | -1.39 | -1.09 | -2.21 | -2.04 | -1.67 | -1.98 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | -0.34 | 0.46 | -0.07 | 0.18 | -0.12 | 0.40 | 0.74 | 0.21 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.31 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 |
| MAXIMUM | -1.50 | -2.08 | -1.39 | -1.09 | -2.21 | -2.04 | -1.67 | -1.98 | -1.17 |
| MINIMUM | -0.34 | 0.46 | -0.07 | -0.14 | -0.12 | 0.40 | -0.50 | 0.21 | 0.18 |
| RANGE(MAX-MIN) | -1.160 | -2.540 | -1.320 | -0.950 | -2.090 | -2.440 | -1.170 | -2.190 | -1.350 |
| MEAN | -0.415 | -0.712 | -0.520 | -0.398 | -1.277 | -0.890 | -0.477 | -0.703 | -0.290 |
| STANDARD DEVIATION | 0.973 | 1.011 | 0.635 | 0.476 | 1.063 | 1.226 | 1.205 | 1.139 | 0.681 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Broff, Andy

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | 2.07 | -0.09 | -1.85 | -1.91 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -1.06 | -2.07 | 0.07 | -0.08 | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.30 | -1.25 | -2.41 | -1.76 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.74 | -0.82 | -0.47 | -1.57 | -0.35 | 0.73 | 0.65 | 1.39 | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | 0.02 | -0.53 | -0.96 | -1.61 | -1.50 | -0.28 | -0.80 | -0.16 | | |
| T1-8-SEQ. VH PISTONS | -4.20 | -1.42 | -2.95 | -2.29 | -0.22 | -2.59 | -3.28 | 0.61 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 2.34 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | 1.47 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | | |
| MAXIMUM | -4.20 | -2.07 | -2.95 | -2.29 | -1.50 | -2.59 | -3.28 | 1.39 | 2.34 | |
| MINIMUM | 0.02 | -0.09 | 0.07 | -0.08 | -0.22 | -0.28 | 0.65 | -0.16 | 1.47 | |
| RANGE(MAX-MIN) | -4.220 | -1.980 | -3.020 | -2.210 | -1.280 | -2.310 | -3.930 | 1.550 | 0.870 | |
| MEAN | -0.602 | -1.030 | -1.428 | -1.537 | -0.690 | -0.713 | -1.143 | 0.613 | 1.905 | |
| STANDARD DEVIATION | 2.074 | 0.701 | 1.170 | 0.760 | 0.704 | 1.702 | 1.987 | 0.775 | 0.615 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Cales, Jonathon

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 1.57 | 1.20 | 1.16 | 1.69 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 1.17 | 1.32 | 1.13 | 1.47 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.15 | 1.79 | 2.16 | 1.34 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | 1.14 | 0.85 | 0.18 | 0.22 | 0.75 | 1.65 | 0.37 | 0.68 | |
| R1-8-SEQ. VG PISTONS | 0.89 | 0.39 | -0.42 | -0.37 | 0.38 | -0.43 | 0.12 | 0.38 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | 2.33 | 2.28 | 1.94 | 0.11 | -2.12 | -1.27 | -0.07 | -1.00 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -0.41 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.25 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.25 |
| MAXIMUM | 2.33 | 2.28 | 2.16 | 1.69 | -2.12 | 1.65 | 0.37 | -1.00 | -0.41 |
| MINIMUM | -0.15 | 0.39 | 0.18 | 0.11 | 0.38 | -0.43 | -0.07 | 0.38 | 0.18 |
| RANGE(MAX-MIN) | 2.480 | 1.890 | 1.980 | 1.580 | -2.500 | 2.080 | 0.440 | -1.380 | -0.590 |
| MEAN | 1.158 | 1.305 | 1.025 | 0.743 | -0.330 | -0.017 | 0.140 | 0.020 | -0.058 |
| STANDARD DEVIATION | 0.816 | 0.670 | 0.996 | 0.860 | 1.561 | 1.503 | 0.221 | 0.896 | 0.323 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Campbell, Bryan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -0.78 | -1.68 | -4.39 | -4.44 | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -1.51 | -3.39 | -2.02 | -2.15 | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -1.71 | -1.13 | -1.37 | -0.84 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.96 | -1.23 | -0.17 | 0.35 | -0.19 | 0.36 | 1.58 | 0.45 | | |
| Q1-8-SEQ. VG PISTONS | 0.93 | 3.01 | 2.43 | 2.16 | 1.05 | 1.12 | 1.44 | 0.53 | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | 1.49 | 0.51 | 1.30 | 3.38 | -1.00 | -1.21 | -1.42 | -0.38 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.31 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | -1.49 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 1.35 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 1.91 | |
| MAXIMUM | -1.71 | -3.39 | -4.39 | -4.44 | 1.05 | -1.21 | 1.58 | 0.53 | 1.91 | |
| MINIMUM | -0.78 | 0.51 | -0.17 | 0.35 | -0.19 | 0.36 | -1.42 | -0.38 | 0.31 | |
| RANGE(MAX-MIN) | -0.930 | -3.900 | -4.220 | -4.790 | 1.240 | -1.570 | 3.000 | 0.910 | 1.600 | |
| MEAN | -0.423 | -0.652 | -0.703 | -0.257 | -0.047 | 0.090 | 0.533 | 0.200 | 0.520 | |
| STANDARD DEVIATION | 1.322 | 2.185 | 2.445 | 2.859 | 1.032 | 1.188 | 1.693 | 0.504 | 1.495 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Caproni, David

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 0.44 | 0.80 | 1.35 | 1.57 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | 0.70 | 1.27 | 1.06 | 1.15 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.28 | 1.01 | 1.06 | 0.25 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | 1.33 | 0.52 | 1.29 | 1.06 | 0.25 | 0.07 | 0.95 | 0.79 | |
| S1-8-SEQ. VG PISTONS | 0.84 | 0.62 | 1.05 | 0.80 | 0.76 | 0.87 | 0.62 | 1.05 | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | 0.80 | 0.51 | 1.13 | 1.90 | 1.60 | 1.09 | 0.97 | 1.81 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.81 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.13 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.40 |
| MAXIMUM | 1.33 | 1.27 | 1.35 | 1.90 | 1.60 | 1.09 | 0.97 | 1.81 | 0.83 |
| MINIMUM | -0.28 | 0.51 | 1.05 | 0.25 | 0.25 | 0.07 | 0.62 | 0.79 | 0.13 |
| RANGE(MAX-MIN) | 1.610 | 0.760 | 0.300 | 1.650 | 1.350 | 1.020 | 0.350 | 1.020 | 0.700 |
| MEAN | 0.638 | 0.788 | 1.157 | 1.122 | 0.870 | 0.677 | 0.847 | 1.217 | 0.343 |
| STANDARD DEVIATION | 0.535 | 0.303 | 0.131 | 0.579 | 0.682 | 0.537 | 0.197 | 0.530 | 0.592 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Castillo, George

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.32 | 0.89 | 0.43 | 0.94 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -1.88 | -1.50 | -0.37 | -0.17 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -0.04 | 0.53 | 0.29 | -0.29 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.36 | 0.31 | -0.38 | -0.40 | -1.28 | -0.84 | -1.21 | 0.39 | |
| Q1-8-SEQ. VG PISTONS | -1.99 | -0.69 | 1.08 | -1.72 | -1.33 | -1.26 | 0.21 | -1.05 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | 1.10 | 1.44 | 0.95 | 0.42 | 1.13 | 1.18 | 1.32 | 1.14 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.61 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.98 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 1.29 |
| MAXIMUM | -1.99 | -1.50 | 1.08 | -1.72 | -1.33 | -1.26 | 1.32 | 1.14 | 1.29 |
| MINIMUM | -0.04 | 0.31 | 0.29 | -0.17 | 1.13 | -0.84 | 0.21 | 0.39 | 0.61 |
| RANGE(MAX-MIN) | -1.950 | -1.810 | 0.790 | -1.550 | -2.460 | -0.420 | 1.110 | 0.750 | 0.680 |
| MEAN | -0.475 | 0.163 | 0.333 | -0.203 | -0.493 | -0.307 | 0.107 | 0.160 | 0.928 |
| STANDARD DEVIATION | 1.232 | 1.078 | 0.625 | 0.899 | 1.406 | 1.305 | 1.268 | 1.113 | 0.285 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= DeCapite, Vanessa

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | -0.38 | -1.41 | -2.86 | -1.76 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -0.27 | -1.32 | -1.33 | -1.54 | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -0.07 | -1.71 | -2.22 | -1.71 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.36 | -0.56 | -1.01 | -1.04 | 0.74 | 0.68 | 0.29 | 0.50 | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | 0.45 | 0.52 | -0.54 | -0.52 | 0.44 | -0.26 | -0.27 | 0.18 | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.28 | -0.18 | -0.05 | -0.85 | -1.00 | -1.03 | -0.93 | -1.72 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -1.12 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | -1.62 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 1.72 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 1.60 | |
| MAXIMUM | 0.45 | -1.71 | -2.86 | -1.76 | -1.00 | -1.03 | -0.93 | -1.72 | 1.72 | |
| MINIMUM | -0.07 | -0.18 | -0.05 | -0.52 | 0.44 | -0.26 | -0.27 | 0.18 | -1.12 | |
| RANGE(MAX-MIN) | 0.520 | -1.530 | -2.810 | -1.240 | -1.440 | -0.770 | -0.660 | -1.900 | 2.840 | |
| MEAN | -0.152 | -0.777 | -1.335 | -1.237 | 0.060 | -0.203 | -0.303 | -0.347 | 0.145 | |
| STANDARD DEVIATION | 0.315 | 0.855 | 1.049 | 0.508 | 0.930 | 0.856 | 0.611 | 1.200 | 1.762 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Dominguez, Lucio

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -0.41 | -0.78 | 0.73 | -0.17 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 0.70 | 0.33 | 0.61 | 0.16 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.60 | -0.95 | 0.38 | 0.64 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | 1.35 | 0.29 | 0.63 | 1.08 | 1.35 | -1.18 | 2.21 | 1.54 | |
| R1-8-SEQ. VG PISTONS | 1.20 | 2.06 | 0.68 | 0.81 | 1.39 | 0.96 | 1.01 | 0.65 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | 0.09 | 0.40 | 0.83 | 0.52 | 0.50 | 0.74 | 0.74 | 1.07 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.00 |
| VRCBVR-RC BFL VARN R | | | | | | | | | -0.85 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 |
| MAXIMUM | 1.35 | 2.06 | 0.83 | 1.08 | 1.39 | -1.18 | 2.21 | 1.54 | -1.17 |
| MINIMUM | 0.09 | 0.29 | 0.38 | 0.16 | 0.50 | 0.74 | 0.74 | 0.65 | 0.00 |
| RANGE(MAX-MIN) | 1.260 | 1.770 | 0.450 | 0.920 | 0.890 | -1.920 | 1.470 | 0.890 | -1.170 |
| MEAN | 0.388 | 0.225 | 0.643 | 0.507 | 1.080 | 0.173 | 1.320 | 1.087 | -0.625 |
| STANDARD DEVIATION | 0.823 | 1.077 | 0.151 | 0.451 | 0.503 | 1.177 | 0.782 | 0.445 | 0.503 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Foecking, Brian

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.38 | -0.35 | -0.15 | -0.39 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -1.85 | -1.20 | -1.55 | -1.33 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.75 | 0.53 | 0.57 | 0.52 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.74 | -1.02 | -1.47 | -1.14 | 1.55 | 0.87 | -0.14 | 0.34 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | -0.58 | -0.53 | -0.96 | -0.33 | 0.30 | 0.06 | 0.03 | -0.14 | |
| T1-8-SEQ. VH PISTONS | -1.05 | -0.96 | -0.47 | 0.08 | -0.44 | -0.94 | -0.83 | -1.45 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.10 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.57 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -1.22 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.86 |
| MAXIMUM | -1.85 | -1.20 | -1.55 | -1.33 | 1.55 | -0.94 | -0.83 | -1.45 | -1.22 |
| MINIMUM | 0.38 | -0.35 | -0.15 | 0.08 | 0.30 | 0.06 | 0.03 | -0.14 | 0.10 |
| RANGE(MAX-MIN) | -2.230 | -0.850 | -1.400 | -1.410 | 1.250 | -1.000 | -0.860 | -1.310 | -1.320 |
| MEAN | -0.515 | -0.588 | -0.672 | -0.432 | 0.470 | -0.003 | -0.313 | -0.417 | -0.353 |
| STANDARD DEVIATION | 0.951 | 0.634 | 0.818 | 0.705 | 1.006 | 0.907 | 0.455 | 0.927 | 0.830 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Garza, Juan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -5.98 | -3.55 | -3.34 | -4.52 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -1.44 | -3.00 | -2.35 | -2.20 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -1.67 | -3.27 | -2.10 | -1.78 | -1.23 | -1.03 | -3.15 | -2.49 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.28 | 0.67 | 1.09 | 0.08 | 0.34 | -0.02 | 0.34 | 0.88 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | |
| VRCBVR-RC BFL VARN R | | | | | | | | | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | |
| MAXIMUM | -5.98 | -3.55 | -3.34 | -4.52 | -1.23 | -1.03 | -3.15 | -2.49 | |
| MINIMUM | -0.28 | 0.67 | 1.09 | 0.08 | 0.34 | -0.02 | 0.34 | 0.88 | |
| RANGE(MAX-MIN) | -5.700 | -4.220 | -4.430 | -4.600 | -1.570 | -1.010 | -3.490 | -3.370 | |
| MEAN | -2.343 | -2.288 | -1.675 | -2.105 | -0.445 | -0.525 | -1.405 | -0.805 | |
| STANDARD DEVIATION | 2.500 | 1.984 | 1.920 | 1.890 | 1.110 | 0.714 | 2.468 | 2.383 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Greenland, Paul

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | -0.91 | -0.52 | -0.09 | -0.05 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 0.39 | 0.24 | -0.19 | -0.89 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -1.40 | -0.64 | -0.30 | -0.38 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.96 | -1.18 | -0.72 | -0.61 | 0.25 | 0.87 | 0.01 | -0.08 | |
| Q1-8-SEQ. VG PISTONS | 0.45 | 1.88 | 0.86 | 1.22 | 0.19 | -0.29 | -0.55 | 0.17 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | 0.33 | 0.44 | 0.24 | -0.34 | 0.90 | 0.90 | 1.32 | 0.96 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.10 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 1.72 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 1.91 |
| MAXIMUM | -1.40 | 1.88 | 0.86 | 1.22 | 0.90 | 0.90 | 1.32 | 0.96 | 1.91 |
| MINIMUM | 0.33 | 0.24 | -0.09 | -0.05 | 0.19 | -0.29 | 0.01 | -0.08 | 0.10 |
| RANGE(MAX-MIN) | -1.730 | 1.640 | 0.950 | 1.270 | 0.710 | 1.190 | 1.310 | 1.040 | 1.810 |
| MEAN | -0.350 | 0.037 | -0.033 | -0.175 | 0.447 | 0.493 | 0.260 | 0.350 | 0.978 |
| STANDARD DEVIATION | 0.829 | 1.082 | 0.537 | 0.739 | 0.394 | 0.679 | 0.960 | 0.543 | 0.971 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Hurst, Kevin R.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | -2.26 | -0.77 | -0.55 | -0.67 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -1.10 | -0.41 | 0.36 | -0.34 | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -2.33 | -2.09 | -1.08 | -2.67 | | | | | | |
| P1-8-SEQ. VG PISTONS | 0.46 | 0.92 | -0.30 | -0.82 | -0.14 | -1.31 | -0.07 | -0.71 | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | 0.64 | 0.32 | 0.13 | 1.68 | -0.06 | 0.40 | 0.18 | 0.79 | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | 0.09 | -0.02 | -0.16 | 0.45 | 0.07 | 0.61 | 1.19 | -0.02 | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 1.53 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | 1.34 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.49 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.21 | |
| MAXIMUM | -2.33 | -2.09 | -1.08 | -2.67 | -0.14 | -1.31 | 1.19 | 0.79 | 1.53 | |
| MINIMUM | 0.09 | -0.02 | 0.13 | -0.34 | -0.06 | 0.40 | -0.07 | -0.02 | 0.21 | |
| RANGE(MAX-MIN) | -2.420 | -2.070 | -1.210 | -2.330 | -0.080 | -1.710 | 1.260 | 0.810 | 1.320 | |
| MEAN | -0.750 | -0.342 | -0.267 | -0.395 | -0.043 | -0.100 | 0.433 | 0.020 | 0.893 | |
| STANDARD DEVIATION | 1.342 | 1.037 | 0.511 | 1.446 | 0.106 | 1.053 | 0.667 | 0.751 | 0.641 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= King, Jennifer

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | 1.31 | 0.80 | 1.11 | 1.75 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | 1.44 | 1.03 | 1.02 | 0.70 | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 1.35 | 1.19 | 0.84 | 1.23 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | 2.81 | 2.45 | 2.39 | 0.98 | 0.57 | 1.70 | 2.80 | 2.44 | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | 1.62 | 1.46 | 1.65 | 1.64 | 1.18 | 1.34 | 1.47 | 1.36 | | |
| T1-8-SEQ. VH PISTONS | 1.56 | 1.13 | 1.51 | 1.01 | 0.12 | -0.11 | -0.05 | 0.25 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.00 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.37 | |
| MAXIMUM | 2.81 | 2.45 | 2.39 | 1.75 | 1.18 | 1.70 | 2.80 | 2.44 | -0.48 | |
| MINIMUM | 1.31 | 0.80 | 0.84 | 0.70 | 0.12 | -0.11 | -0.05 | 0.25 | 0.00 | |
| RANGE(MAX-MIN) | 1.500 | 1.650 | 1.550 | 1.050 | 1.060 | 1.810 | 2.850 | 2.190 | -0.480 | |
| MEAN | 1.682 | 1.343 | 1.420 | 1.218 | 0.623 | 0.977 | 1.407 | 1.350 | 0.018 | |
| STANDARD DEVIATION | 0.565 | 0.583 | 0.565 | 0.407 | 0.532 | 0.958 | 1.426 | 1.095 | 0.364 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Kobrinetz, Joaquin J.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 0.54 | 0.42 | 0.42 | 0.40 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -0.30 | -0.93 | -1.16 | -0.50 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 0.75 | -0.13 | -0.58 | -0.25 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.74 | -0.03 | -1.39 | -0.60 | 0.34 | -0.39 | 0.44 | 0.16 | |
| U1-8-SEQ. VH PISTONS | -1.71 | -1.73 | -1.57 | -2.10 | 0.65 | -1.20 | -1.76 | -0.94 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -0.31 |
| VRCBVR-RC BFL VARN R | | | | | | | | | -0.59 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.12 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.98 |
| MAXIMUM | -1.71 | -1.73 | -1.57 | -2.10 | 0.65 | -1.20 | -1.76 | -0.94 | 0.98 |
| MINIMUM | -0.30 | -0.03 | 0.42 | -0.25 | 0.34 | -0.39 | 0.44 | 0.16 | -0.12 |
| RANGE(MAX-MIN) | -1.410 | -1.700 | -1.990 | -1.850 | 0.310 | -0.810 | -2.200 | -1.100 | 1.100 |
| MEAN | -0.292 | -0.480 | -0.856 | -0.610 | 0.495 | -0.795 | -0.660 | -0.390 | -0.010 |
| STANDARD DEVIATION | 0.999 | 0.851 | 0.805 | 0.920 | 0.219 | 0.573 | 1.556 | 0.778 | 0.688 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Langford, Mike

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | -0.91 | -0.52 | 0.12 | -0.43 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 0.54 | -0.42 | -2.16 | -1.13 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -1.68 | -0.98 | -0.22 | -0.56 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | -1.51 | -0.39 | -0.80 | -0.61 | -1.88 | -1.54 | 0.14 | -0.25 | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.00 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 1.96 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 1.91 |
| MAXIMUM | -1.68 | -0.98 | -2.16 | -1.13 | -1.88 | -1.54 | 0.14 | -0.25 | 1.96 |
| MINIMUM | 0.54 | -0.39 | 0.12 | -0.43 | -1.88 | -1.54 | 0.14 | -0.25 | 0.00 |
| RANGE(MAX-MIN) | -2.220 | -0.590 | -2.280 | -0.700 | 0.000 | 0.000 | 0.000 | 0.000 | 1.960 |
| MEAN | -0.890 | -0.578 | -0.765 | -0.683 | -1.880 | -1.540 | 0.140 | -0.250 | 1.013 |
| STANDARD DEVIATION | 1.009 | 0.274 | 1.005 | 0.308 | 0.000 | 0.000 | 0.000 | 0.000 | 1.068 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lonsway, Chris

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 0.77 | 0.12 | -0.83 | -1.05 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -0.18 | 0.40 | 0.09 | 0.19 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.53 | -0.25 | -1.26 | -0.45 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | -0.30 | 0.26 | -1.70 | -1.91 | 1.01 | -0.04 | -1.42 | -1.10 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.97 | -1.34 | -1.25 | -1.27 | -0.22 | -1.03 | -0.93 | -0.29 | |
| U1-8-SEQ. VH PISTONS | -0.18 | -0.02 | -0.67 | -1.14 | 0.31 | 0.95 | 0.60 | 0.38 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.00 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.44 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 |
| MAXIMUM | -0.97 | -1.34 | -1.70 | -1.91 | 1.01 | -1.03 | -1.42 | -1.10 | -1.17 |
| MINIMUM | -0.18 | -0.02 | 0.09 | 0.19 | -0.22 | -0.04 | 0.60 | -0.29 | 0.00 |
| RANGE(MAX-MIN) | -0.790 | -1.320 | -1.790 | -2.100 | 1.230 | -0.990 | -2.020 | -0.810 | -1.170 |
| MEAN | -0.232 | -0.138 | -0.937 | -0.938 | 0.367 | -0.040 | -0.583 | -0.337 | -0.303 |
| STANDARD DEVIATION | 0.574 | 0.630 | 0.620 | 0.724 | 0.617 | 0.990 | 1.054 | 0.741 | 0.690 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lopez, Frank

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.73 | 0.42 | 0.25 | -0.01 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 0.10 | 0.06 | -0.58 | -1.04 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 0.04 | 0.11 | -0.85 | -0.25 | | | | | |
| P1-8-SEQ. VG PISTONS | -0.03 | -0.31 | 0.37 | 0.98 | 1.50 | -1.40 | -1.00 | -0.81 | |
| Q1-8-SEQ. VG PISTONS | -0.82 | -1.67 | -0.38 | 0.65 | 0.75 | 0.16 | 0.44 | -0.04 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.28 | -1.26 | -0.90 | -0.94 | 1.24 | 0.90 | 0.73 | 0.79 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.81 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.74 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.37 |
| MAXIMUM | -0.82 | -1.67 | -0.90 | -1.04 | 1.50 | -1.40 | -1.00 | -0.81 | 0.83 |
| MINIMUM | -0.03 | 0.06 | 0.25 | -0.01 | 0.75 | 0.16 | 0.44 | -0.04 | 0.37 |
| RANGE(MAX-MIN) | -0.790 | -1.730 | -1.150 | -1.030 | 0.750 | -1.560 | -1.440 | -0.770 | 0.460 |
| MEAN | -0.043 | -0.442 | -0.348 | -0.102 | 1.163 | -0.113 | 0.057 | -0.020 | 0.688 |
| STANDARD DEVIATION | 0.507 | 0.836 | 0.545 | 0.818 | 0.381 | 1.174 | 0.927 | 0.800 | 0.215 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lowsky, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 1.02 | 2.60 | 1.54 | 1.75 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 1.97 | 1.74 | 0.98 | 1.72 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 1.65 | 0.58 | 1.15 | 1.46 | | | | | |
| P1-8-SEQ. VG PISTONS | -0.09 | -0.26 | 0.88 | 2.16 | -0.30 | 0.17 | 0.44 | 0.81 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | -1.75 | -0.08 | 0.93 | 0.35 | 0.19 | 0.07 | -0.01 | 0.86 | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | 0.04 | -0.19 | -0.03 | 0.04 | -0.31 | -0.78 | -0.66 | -0.31 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.61 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.57 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.13 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.40 |
| MAXIMUM | 1.97 | 2.60 | 1.54 | 2.16 | -0.31 | -0.78 | -0.66 | 0.86 | 0.61 |
| MINIMUM | 0.04 | -0.08 | -0.03 | 0.04 | 0.19 | 0.07 | -0.01 | -0.31 | 0.13 |
| RANGE(MAX-MIN) | 1.930 | 2.680 | 1.570 | 2.120 | -0.500 | -0.850 | -0.650 | 1.170 | 0.480 |
| MEAN | 0.473 | 0.732 | 0.908 | 1.247 | -0.140 | -0.180 | -0.077 | 0.453 | 0.228 |
| STANDARD DEVIATION | 1.369 | 1.185 | 0.519 | 0.851 | 0.286 | 0.522 | 0.553 | 0.662 | 0.471 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= May, Marianne

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.38 | 0.04 | 0.06 | -0.24 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | 0.78 | 0.55 | 0.75 | 0.43 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.78 | 0.82 | 0.31 | 0.69 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | 0.57 | 0.66 | 0.37 | -0.08 | -0.03 | 0.50 | -0.14 | -0.45 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | -0.09 | 0.25 | -0.48 | -0.97 | -0.17 | -0.36 | -0.77 | -0.94 | |
| T1-8-SEQ. VH PISTONS | 1.41 | 0.67 | 1.30 | 1.60 | 0.34 | 0.81 | 0.44 | 0.70 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.31 |
| VRCBVR-RC BFL VARN R | | | | | | | | | -0.07 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.13 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.37 |
| MAXIMUM | 1.41 | 0.82 | 1.30 | 1.60 | 0.34 | 0.81 | -0.77 | -0.94 | 0.37 |
| MINIMUM | -0.09 | 0.04 | 0.06 | -0.08 | -0.03 | -0.36 | -0.14 | -0.45 | -0.07 |
| RANGE(MAX-MIN) | 1.500 | 0.780 | 1.240 | 1.680 | 0.370 | 1.170 | -0.630 | -0.490 | 0.440 |
| MEAN | 0.638 | 0.498 | 0.385 | 0.238 | 0.047 | 0.317 | -0.157 | -0.230 | 0.185 |
| STANDARD DEVIATION | 0.497 | 0.294 | 0.605 | 0.881 | 0.264 | 0.606 | 0.605 | 0.842 | 0.198 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Potocar, William P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -1.00 | 0.18 | 1.38 | 1.41 | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -0.43 | -0.25 | 0.58 | -0.50 | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 0.11 | -0.36 | 0.06 | 0.10 | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | 0.77 | 0.70 | 0.63 | 0.29 | 0.85 | 1.20 | 0.44 | 1.47 | | |
| R1-8-SEQ. VG PISTONS | -0.81 | 0.26 | 0.74 | 0.60 | 0.70 | 1.84 | 1.46 | -0.09 | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | -0.34 | -0.49 | -0.03 | 0.24 | 0.55 | 0.54 | -0.14 | 0.27 | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | | 0.31 |
| VRCBVR-RC BFL VARN R | | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | | -0.73 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | | 0.06 |
| MAXIMUM | -1.00 | 0.70 | 1.38 | 1.41 | 0.85 | 1.84 | 1.46 | 1.47 | | 0.83 |
| MINIMUM | 0.11 | 0.18 | -0.03 | 0.10 | 0.55 | 0.54 | -0.14 | -0.09 | | 0.06 |
| RANGE(MAX-MIN) | -1.110 | 0.520 | 1.410 | 1.310 | 0.300 | 1.300 | 1.600 | 1.560 | | 0.770 |
| MEAN | -0.283 | 0.007 | 0.560 | 0.357 | 0.700 | 1.193 | 0.587 | 0.550 | | 0.118 |
| STANDARD DEVIATION | 0.645 | 0.452 | 0.512 | 0.630 | 0.150 | 0.650 | 0.810 | 0.817 | | 0.650 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Price, Gregory

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -0.34 | -0.06 | -0.45 | 0.11 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -0.54 | -0.83 | -0.20 | -0.41 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | -0.13 | -0.59 | -0.50 | -0.78 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | -0.34 | -0.69 | -0.05 | 0.50 | 0.24 | 0.60 | -0.94 | 0.10 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | -0.13 | 0.31 | 0.15 | 0.48 | 0.32 | 0.48 | 0.19 | 0.33 | |
| T1-8-SEQ. VH PISTONS | -1.28 | -1.34 | -1.18 | -1.02 | -2.46 | -2.04 | -2.30 | -1.72 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -0.81 |
| VRCBVR-RC BFL VARN R | | | | | | | | | -1.49 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -1.70 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 |
| MAXIMUM | -1.28 | -1.34 | -1.18 | -1.02 | -2.46 | -2.04 | -2.30 | -1.72 | -1.70 |
| MINIMUM | -0.13 | -0.06 | -0.05 | 0.11 | 0.24 | 0.48 | 0.19 | 0.10 | -0.81 |
| RANGE(MAX-MIN) | -1.150 | -1.280 | -1.130 | -1.130 | -2.700 | -2.520 | -2.490 | -1.820 | -0.890 |
| MEAN | -0.460 | -0.533 | -0.372 | -0.187 | -0.633 | -0.320 | -1.017 | -0.430 | -1.293 |
| STANDARD DEVIATION | 0.430 | 0.583 | 0.465 | 0.648 | 1.582 | 1.491 | 1.247 | 1.123 | 0.389 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Reese, Kyle

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.03 | 0.25 | 0.68 | 0.80 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -1.13 | 0.88 | 1.20 | 1.24 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -2.59 | -1.30 | -0.81 | -1.27 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | -0.68 | -2.15 | -0.91 | -0.63 | -1.26 | -1.70 | -0.46 | -1.91 | |
| S1-8-SEQ. VG PISTONS | 0.39 | 0.38 | -0.17 | 0.64 | -0.37 | -0.26 | -0.32 | -0.51 | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | |
| VRCBVR-RC BFL VARN R | | | | | | | | | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | |
| MAXIMUM | -2.59 | -2.15 | 1.20 | -1.27 | -1.26 | -1.70 | -0.46 | -1.91 | |
| MINIMUM | 0.03 | 0.25 | -0.17 | -0.63 | -0.37 | -0.26 | -0.32 | -0.51 | |
| RANGE(MAX-MIN) | -2.620 | -2.400 | 1.370 | -0.640 | -0.890 | -1.440 | -0.140 | -1.400 | |
| MEAN | -0.796 | -0.388 | -0.002 | 0.156 | -0.815 | -0.980 | -0.390 | -1.210 | |
| STANDARD DEVIATION | 1.165 | 1.279 | 0.924 | 1.058 | 0.629 | 1.018 | 0.099 | 0.990 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Rodriguez, Jesus (Jesse)

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 0.84 | 0.29 | 0.68 | 0.85 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 1.20 | 1.92 | 0.60 | -1.04 | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | 1.07 | 0.77 | 0.11 | 0.29 | | | | | |
| P1-8-SEQ. VG PISTONS | -0.52 | -0.31 | -0.21 | -0.45 | -1.17 | -0.57 | -0.21 | -1.34 | |
| Q1-8-SEQ. VG PISTONS | -0.56 | -0.64 | -2.07 | -0.22 | -1.54 | -0.96 | -1.40 | -1.26 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.28 | 0.82 | 0.10 | -0.77 | 0.68 | 0.90 | 0.24 | 0.70 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.81 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.13 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.37 |
| MAXIMUM | 1.20 | 1.92 | -2.07 | -1.04 | -1.54 | -0.96 | -1.40 | -1.34 | 0.83 |
| MINIMUM | -0.28 | 0.29 | 0.10 | -0.22 | 0.68 | -0.57 | -0.21 | 0.70 | 0.13 |
| RANGE(MAX-MIN) | 1.480 | 1.630 | -2.170 | -0.820 | -2.220 | -0.390 | -1.190 | -2.040 | 0.700 |
| MEAN | 0.292 | 0.475 | -0.132 | -0.223 | -0.677 | -0.210 | -0.457 | -0.633 | 0.535 |
| STANDARD DEVIATION | 0.830 | 0.915 | 1.007 | 0.698 | 1.189 | 0.981 | 0.847 | 1.155 | 0.343 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Sanchez, Arthur

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | 0.32 | 0.08 | -0.28 | -0.96 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | 0.24 | 0.59 | -0.79 | -0.55 | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.15 | 0.14 | -0.53 | -0.14 | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | 0.01 | -0.21 | -1.03 | -0.73 | 0.00 | 0.73 | 0.18 | 0.86 | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | -0.66 | 0.05 | -0.05 | 0.67 | -0.22 | 0.26 | 0.05 | 0.07 | | |
| U1-8-SEQ. VH PISTONS | 0.04 | -0.31 | -0.24 | 0.11 | 0.17 | 0.54 | 0.01 | 0.32 | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -3.36 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | -2.26 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 | |
| MAXIMUM | -0.66 | 0.59 | -1.03 | -0.96 | -0.22 | 0.73 | 0.18 | 0.86 | -3.36 | |
| MINIMUM | 0.01 | 0.05 | -0.05 | 0.11 | 0.00 | 0.26 | 0.01 | 0.07 | -0.48 | |
| RANGE(MAX-MIN) | -0.670 | 0.540 | -0.980 | -1.070 | -0.220 | 0.470 | 0.170 | 0.790 | -2.880 | |
| MEAN | -0.033 | 0.057 | -0.487 | -0.267 | -0.017 | 0.510 | 0.080 | 0.417 | -1.818 | |
| STANDARD DEVIATION | 0.350 | 0.315 | 0.370 | 0.602 | 0.196 | 0.236 | 0.089 | 0.404 | 1.263 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Seiz, Ray

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | 2.07 | 0.80 | 1.29 | 1.66 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | 1.35 | 1.21 | 0.82 | -0.37 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 1.09 | -0.66 | 0.63 | 1.38 | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | 1.50 | 0.56 | 0.25 | -1.73 | 0.14 | 0.45 | 1.58 | 1.81 | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | 1.07 | 1.05 | 1.53 | 2.37 | 0.52 | 0.71 | 0.96 | 0.61 | |
| T1-8-SEQ. VH PISTONS | 2.02 | 0.90 | 1.02 | 2.19 | 0.34 | -0.39 | 0.34 | -0.02 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.31 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -1.17 |
| MAXIMUM | 2.07 | 1.21 | 1.53 | 2.37 | 0.52 | 0.71 | 1.58 | 1.81 | -1.17 |
| MINIMUM | 1.07 | 0.56 | 0.25 | -0.37 | 0.14 | -0.39 | 0.34 | -0.02 | 0.18 |
| RANGE(MAX-MIN) | 1.000 | 0.650 | 1.280 | 2.740 | 0.380 | 1.100 | 1.240 | 1.830 | -1.350 |
| MEAN | 1.517 | 0.643 | 0.923 | 0.917 | 0.333 | 0.257 | 0.960 | 0.800 | -0.290 |
| STANDARD DEVIATION | 0.440 | 0.676 | 0.461 | 1.622 | 0.190 | 0.575 | 0.620 | 0.930 | 0.681 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Trevino, Robert

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | -1.20 | -0.56 | 0.03 | -0.58 | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -0.83 | -0.09 | 0.39 | 0.31 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | -0.03 | 0.05 | 0.37 | 0.72 | -0.19 | 0.36 | -0.28 | -0.76 | |
| Q1-8-SEQ. VG PISTONS | -0.08 | -0.12 | 0.41 | -0.50 | -0.22 | 0.53 | -0.63 | -0.69 | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | 1.49 | 1.29 | 1.44 | 1.85 | 0.57 | 0.99 | 0.83 | 0.88 | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.81 |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.83 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.12 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.71 |
| MAXIMUM | 1.49 | 1.29 | 1.44 | 1.85 | 0.57 | 0.99 | 0.83 | 0.88 | 0.83 |
| MINIMUM | -0.03 | 0.05 | 0.03 | 0.31 | -0.19 | 0.36 | -0.28 | -0.69 | -0.12 |
| RANGE(MAX-MIN) | 1.520 | 1.240 | 1.410 | 1.540 | 0.760 | 0.630 | 1.110 | 1.570 | 0.950 |
| MEAN | -0.130 | 0.114 | 0.528 | 0.360 | 0.053 | 0.627 | -0.027 | -0.190 | 0.203 |
| STANDARD DEVIATION | 1.033 | 0.696 | 0.533 | 0.997 | 0.448 | 0.326 | 0.762 | 0.927 | 0.753 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Veiga, Victor

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | 0.32 | 2.04 | 1.43 | 1.21 | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | 1.32 | 1.24 | 0.29 | 0.84 | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.27 | -0.52 | 0.92 | 0.36 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | 3.58 | 2.24 | 3.67 | 3.59 | 2.06 | 3.81 | 2.97 | 2.04 | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | 1.85 | 1.12 | 1.01 | 2.16 | 1.18 | 1.11 | 0.48 | 1.07 | | |
| T1-8-SEQ. VH PISTONS | 1.79 | 1.75 | 2.72 | 3.80 | 1.35 | 0.99 | 1.13 | 1.32 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 1.12 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | 1.22 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | 0.86 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.06 | |
| MAXIMUM | 3.58 | 2.24 | 3.67 | 3.80 | 2.06 | 3.81 | 2.97 | 2.04 | 1.22 | |
| MINIMUM | 0.27 | -0.52 | 0.29 | 0.36 | 1.18 | 0.99 | 0.48 | 1.07 | 0.06 | |
| RANGE(MAX-MIN) | 3.310 | 2.760 | 3.380 | 3.440 | 0.880 | 2.820 | 2.490 | 0.970 | 1.160 | |
| MEAN | 1.522 | 1.312 | 1.673 | 1.993 | 1.530 | 1.970 | 1.527 | 1.477 | 0.815 | |
| STANDARD DEVIATION | 1.222 | 0.998 | 1.270 | 1.446 | 0.467 | 1.595 | 1.292 | 0.504 | 0.526 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Viera, Ralph B.

Yi Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| E1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | | | | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | -1.23 | -0.41 | -1.64 | -1.25 | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | -0.08 | 0.10 | 0.16 | 0.80 | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | | | | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | -0.60 | -1.07 | -0.76 | -0.18 | | | | | |
| P1-8-SEQ. VG PISTONS | | | | | | | | | |
| Q1-8-SEQ. VG PISTONS | | | | | | | | | |
| R1-8-SEQ. VG PISTONS | 0.32 | -1.75 | 0.32 | -0.22 | -0.88 | -1.26 | -1.23 | -1.58 | |
| S1-8-SEQ. VG PISTONS | -0.17 | -1.71 | -0.60 | -1.01 | -0.50 | -0.84 | -1.68 | -1.40 | |
| T1-8-SEQ. VH PISTONS | | | | | | | | | |
| U1-8-SEQ. VH PISTONS | -0.83 | -0.90 | -1.14 | -0.31 | -1.31 | -1.61 | -1.62 | -1.80 | |
| VRCBVL-RC BFL VARN L | | | | | | | | | -1.53 |
| VRCBVR-RC BFL VARN R | | | | | | | | | -2.01 |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -2.07 |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | -0.40 |
| MAXIMUM | -1.23 | -1.75 | -1.64 | -1.25 | -1.31 | -1.61 | -1.68 | -1.80 | -2.07 |
| MINIMUM | -0.08 | 0.10 | 0.16 | -0.18 | -0.50 | -0.84 | -1.23 | -1.40 | -0.40 |
| RANGE(MAX-MIN) | -1.150 | -1.850 | -1.800 | -1.070 | -0.810 | -0.770 | -0.450 | -0.400 | -1.670 |
| MEAN | -0.432 | -0.957 | -0.610 | -0.362 | -0.897 | -1.237 | -1.510 | -1.593 | -1.503 |
| STANDARD DEVIATION | 0.562 | 0.725 | 0.751 | 0.723 | 0.405 | 0.386 | 0.244 | 0.200 | 0.774 |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Zalewski, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | P1MERI | P2MERI | P3MERI | P4MERI | P5MERI | P6MERI | P7MERI | P8MERI | AVERAG | |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| E1-4-CAL. SEQ. VG PISTONS | 1.02 | -0.22 | -1.57 | -1.57 | | | | | | |
| F1-4-CAL. SEQ. VG PISTONS | -0.78 | -1.68 | -1.37 | -3.29 | | | | | | |
| G1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| H1-4-CAL. SEQ. VG PISTONS | | | | | | | | | | |
| K1-4-CAL. SEQ. VH PISTONS | 0.61 | -0.81 | 0.29 | -0.11 | | | | | | |
| L1-4-CAL. SEQ. VH PISTONS | | | | | | | | | | |
| P1-8-SEQ. VG PISTONS | 1.50 | 0.87 | -0.93 | -0.40 | -0.63 | -0.66 | -3.15 | 0.60 | | |
| Q1-8-SEQ. VG PISTONS | 0.19 | 0.34 | 3.11 | 0.57 | 0.59 | -2.15 | 1.13 | 2.76 | | |
| R1-8-SEQ. VG PISTONS | | | | | | | | | | |
| S1-8-SEQ. VG PISTONS | | | | | | | | | | |
| T1-8-SEQ. VH PISTONS | 2.49 | 2.06 | 2.86 | 3.97 | -3.69 | -4.16 | -5.14 | -4.85 | | |
| U1-8-SEQ. VH PISTONS | | | | | | | | | | |
| VRCBVL-RC BFL VARN L | | | | | | | | | 0.31 | |
| VRCBVR-RC BFL VARN R | | | | | | | | | 0.18 | |
| VVCALL-CAL RC BFL VARN L | | | | | | | | | -0.48 | |
| VVCALR-CAL RC BFL VARN R | | | | | | | | | 0.37 | |
| MAXIMUM | 2.49 | 2.06 | 3.11 | 3.97 | -3.69 | -4.16 | -5.14 | -4.85 | -0.48 | |
| MINIMUM | 0.19 | -0.22 | 0.29 | -0.11 | 0.59 | -0.66 | 1.13 | 0.60 | 0.18 | |
| RANGE(MAX-MIN) | 2.300 | 2.280 | 2.820 | 4.080 | -4.280 | -3.500 | -6.270 | -5.450 | -0.660 | |
| MEAN | 0.838 | 0.093 | 0.398 | -0.138 | -1.243 | -2.323 | -2.387 | -0.497 | 0.095 | |
| STANDARD DEVIATION | 1.122 | 1.311 | 2.107 | 2.426 | 2.205 | 1.756 | 3.204 | 3.922 | 0.391 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Aguirre, Nancy P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -1.07 | |
| VOPB-OIL PAN BFL SLUDGE | 0.00 | |
| VRCL-RC BFL SLUDGE L | -0.42 | |
| VRCL-RC BFL SLUDGE R | -0.09 | |
| VRCL-RC SLUDGE L | 0.63 | |
| VRCL-RC SLUDGE R | 0.72 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.82 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.19 | |
| VTCC-TC CVR SLUDGE | -0.55 | |
| VVDL-VALVE DECK SLUDGE L | 0.53 | |
| VVDR-VALVE DECK SLUDGE R | 0.54 | |
| MAXIMUM | -1.07 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -1.070 | |
| MEAN | 0.118 | |
| STANDARD DEVIATION | 0.606 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Barrera, Tony

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.67 | |
| VOPB-OIL PAN BFL SLUDGE | 0.68 | |
| VRCL-RC BFL SLUDGE L | -0.79 | |
| VRCL-RC BFL SLUDGE R | -2.29 | |
| VRCL-RC SLUDGE L | 0.13 | |
| VRCL-RC SLUDGE R | 0.34 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.62 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.71 | |
| VTCC-TC CVR SLUDGE | -0.15 | |
| VVDL-VALVE DECK SLUDGE L | -0.40 | |
| VVDR-VALVE DECK SLUDGE R | 0.03 | |
| MAXIMUM | -2.29 | |
| MINIMUM | 0.03 | |
| RANGE(MAX-MIN) | -2.320 | |
| MEAN | -0.041 | |
| STANDARD DEVIATION | 0.892 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Broff, Andy

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 3.14 | |
| VOPB-OIL PAN BFL SLUDGE | 2.49 | |
| VRCBL-RC BFL SLUDGE L | 0.50 | |
| VRCBR-RC BFL SLUDGE R | 1.03 | |
| VRCL-RC SLUDGE L | 1.63 | |
| VRCL-RC SLUDGE R | 3.28 | |
| VSCALL-CAL RC BFL SLUDGE L | | |
| VSCALR-CAL RC BFL SLUDGE R | | |
| VTCC-TC CVR SLUDGE | 1.54 | |
| VVDL-VALVE DECK SLUDGE L | 1.54 | |
| VVDR-VALVE DECK SLUDGE R | 1.46 | |
| MAXIMUM | 3.28 | |
| MINIMUM | 0.50 | |
| RANGE(MAX-MIN) | 2.780 | |
| MEAN | 1.846 | |
| STANDARD DEVIATION | 0.936 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Cales, Jonathon

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -1.43 | |
| VOPB-OIL PAN BFL SLUDGE | -0.68 | |
| VRCL-RC BFL SLUDGE L | 0.62 | |
| VRCL-RC BFL SLUDGE R | 0.83 | |
| VRCL-RC SLUDGE L | 0.50 | |
| VRCL-RC SLUDGE R | -0.71 | |
| VSCAL-CAL RC BFL SLUDGE L | -1.01 | |
| VSCALR-CAL RC BFL SLUDGE R | -1.27 | |
| VTCC-TC CVR SLUDGE | 0.82 | |
| VVDL-VALVE DECK SLUDGE L | 0.28 | |
| VVDR-VALVE DECK SLUDGE R | -0.02 | |
| MAXIMUM | -1.43 | |
| MINIMUM | -0.02 | |
| RANGE(MAX-MIN) | -1.410 | |
| MEAN | -0.188 | |
| STANDARD DEVIATION | 0.856 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Campbell, Bryan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.88 | |
| VOPB-OIL PAN BFL SLUDGE | 0.11 | |
| VRCBL-RC BFL SLUDGE L | 2.16 | |
| VRCBR-RC BFL SLUDGE R | 0.11 | |
| VRCL-RC SLUDGE L | -0.88 | |
| VRCL-RC SLUDGE R | 0.27 | |
| VSCALL-CAL RC BFL SLUDGE L | 0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.61 | |
| VTCC-TC CVR SLUDGE | -0.09 | |
| VVDL-VALVE DECK SLUDGE L | -3.05 | |
| VVDR-VALVE DECK SLUDGE R | -3.25 | |
| MAXIMUM | -3.25 | |
| MINIMUM | -0.09 | |
| RANGE(MAX-MIN) | -3.160 | |
| MEAN | -0.396 | |
| STANDARD DEVIATION | 1.585 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Caproni, David

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.43 | |
| VOPB-OIL PAN BFL SLUDGE | -0.34 | |
| VRCL-RC BFL SLUDGE L | 0.28 | |
| VRCL-RC BFL SLUDGE R | 1.03 | |
| VRCL-RC SLUDGE L | -0.75 | |
| VRCL-RC SLUDGE R | -0.86 | |
| VSCAL-CAL RC BFL SLUDGE L | -0.72 | |
| VSCALR-CAL RC BFL SLUDGE R | -1.38 | |
| VTCC-TC CVR SLUDGE | 1.02 | |
| VVDL-VALVE DECK SLUDGE L | 0.25 | |
| VVDR-VALVE DECK SLUDGE R | 0.79 | |
| MAXIMUM | -1.38 | |
| MINIMUM | 0.25 | |
| RANGE(MAX-MIN) | -1.630 | |
| MEAN | -0.101 | |
| STANDARD DEVIATION | 0.823 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Castillo, George

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.40 | |
| VOPB-OIL PAN BFL SLUDGE | 0.22 | |
| VRCBL-RC BFL SLUDGE L | 0.07 | |
| VRCBR-RC BFL SLUDGE R | -0.70 | |
| VRCL-RC SLUDGE L | -1.13 | |
| VRCL-RC SLUDGE R | -1.17 | |
| VSCALL-CAL RC BFL SLUDGE L | 0.24 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.12 | |
| VTCC-TC CVR SLUDGE | -0.84 | |
| VVDL-VALVE DECK SLUDGE L | -0.93 | |
| VVDR-VALVE DECK SLUDGE R | -0.69 | |
| MAXIMUM | -1.17 | |
| MINIMUM | 0.07 | |
| RANGE(MAX-MIN) | -1.240 | |
| MEAN | -0.423 | |
| STANDARD DEVIATION | 0.592 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= DeCapite, Vanessa

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.34 | |
| VOPB-OIL PAN BFL SLUDGE | 0.45 | |
| VRCBL-RC BFL SLUDGE L | 0.81 | |
| VRCBR-RC BFL SLUDGE R | 1.22 | |
| VRCL-RC SLUDGE L | 0.88 | |
| VRCL-RC SLUDGE R | 0.57 | |
| VSCALL-CAL RC BFL SLUDGE L | 1.30 | |
| VSCALR-CAL RC BFL SLUDGE R | 1.02 | |
| VTCC-TC CVR SLUDGE | 0.63 | |
| VVDL-VALVE DECK SLUDGE L | 0.46 | |
| VVDR-VALVE DECK SLUDGE R | 0.49 | |
| MAXIMUM | 1.30 | |
| MINIMUM | -0.34 | |
| RANGE(MAX-MIN) | 1.640 | |
| MEAN | 0.681 | |
| STANDARD DEVIATION | 0.452 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Dominguez, Lucio

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 1.13 | |
| VOPB-OIL PAN BFL SLUDGE | 0.22 | |
| VRCL-RC BFL SLUDGE L | 0.96 | |
| VRCL-RC BFL SLUDGE R | 0.19 | |
| VRCL-RC SLUDGE L | 0.25 | |
| VRCL-RC SLUDGE R | -0.04 | |
| VSCAL-CAL RC BFL SLUDGE L | -0.24 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.29 | |
| VTCC-TC CVR SLUDGE | -0.09 | |
| VVDL-VALVE DECK SLUDGE L | -0.93 | |
| VVDR-VALVE DECK SLUDGE R | -0.79 | |
| MAXIMUM | 1.13 | |
| MINIMUM | -0.04 | |
| RANGE(MAX-MIN) | 1.170 | |
| MEAN | 0.086 | |
| STANDARD DEVIATION | 0.625 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Foecking, Brian

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.15 | |
| VOPB-OIL PAN BFL SLUDGE | 0.11 | |
| VRCBL-RC BFL SLUDGE L | 0.62 | |
| VRCBR-RC BFL SLUDGE R | 1.03 | |
| VRCL-RC SLUDGE L | 0.88 | |
| VRCL-RC SLUDGE R | 0.64 | |
| VSCALL-CAL RC BFL SLUDGE L | -1.21 | |
| VSCALR-CAL RC BFL SLUDGE R | -1.17 | |
| VTCC-TC CVR SLUDGE | 0.89 | |
| VVDL-VALVE DECK SLUDGE L | 0.25 | |
| VVDR-VALVE DECK SLUDGE R | 1.05 | |
| MAXIMUM | -1.21 | |
| MINIMUM | 0.11 | |
| RANGE(MAX-MIN) | -1.320 | |
| MEAN | 0.267 | |
| STANDARD DEVIATION | 0.817 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Garza, Juan

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | | |
| VOPB-OIL PAN BFL SLUDGE | | |
| VRCBL-RC BFL SLUDGE L | | |
| VRCBR-RC BFL SLUDGE R | | |
| VRCL-RC SLUDGE L | | |
| VRCL-RC SLUDGE R | | |
| VSCALL-CAL RC BFL SLUDGE L | | |
| VSCALR-CAL RC BFL SLUDGE R | | |
| VTCC-TC CVR SLUDGE | | |
| VVDL-VALVE DECK SLUDGE L | | |
| VVDR-VALVE DECK SLUDGE R | | |
| MAXIMUM | | |
| MINIMUM | | |
| RANGE(MAX-MIN) | | |
| MEAN | | |
| STANDARD DEVIATION | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Greenland, Paul

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.03 | |
| VOPB-OIL PAN BFL SLUDGE | -0.34 | |
| VRCL-RC BFL SLUDGE L | 0.50 | |
| VRCL-RC BFL SLUDGE R | -0.25 | |
| VRCL-RC SLUDGE L | 0.75 | |
| VRCL-RC SLUDGE R | -0.34 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.24 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.19 | |
| VTCC-TC CVR SLUDGE | 0.46 | |
| VVDL-VALVE DECK SLUDGE L | -0.08 | |
| VVDR-VALVE DECK SLUDGE R | 0.49 | |
| MAXIMUM | 0.75 | |
| MINIMUM | 0.03 | |
| RANGE(MAX-MIN) | 0.720 | |
| MEAN | 0.150 | |
| STANDARD DEVIATION | 0.376 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Hurst, Kevin R.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 1.13 | |
| VOPB-OIL PAN BFL SLUDGE | 0.11 | |
| VRCL-RC BFL SLUDGE L | 0.62 | |
| VRCL-RC BFL SLUDGE R | 1.03 | |
| VRCL-RC SLUDGE L | 1.13 | |
| VRCL-RC SLUDGE R | 0.34 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.50 | |
| VTCC-TC CVR SLUDGE | 0.27 | |
| VVDL-VALVE DECK SLUDGE L | 1.75 | |
| VVDR-VALVE DECK SLUDGE R | 0.85 | |
| MAXIMUM | 1.75 | |
| MINIMUM | 0.11 | |
| RANGE(MAX-MIN) | 1.640 | |
| MEAN | 0.751 | |
| STANDARD DEVIATION | 0.481 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= King, Jennifer

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.88 | |
| VOPB-OIL PAN BFL SLUDGE | -3.18 | |
| VRCBL-RC BFL SLUDGE L | -1.01 | |
| VRCBR-RC BFL SLUDGE R | -0.70 | |
| VRCL-RC SLUDGE L | -1.25 | |
| VRCL-RC SLUDGE R | -2.60 | |
| VSCALL-CAL RC BFL SLUDGE L | -3.14 | |
| VSCALR-CAL RC BFL SLUDGE R | -3.47 | |
| VTCC-TC CVR SLUDGE | -2.07 | |
| VVDL-VALVE DECK SLUDGE L | -0.58 | |
| VVDR-VALVE DECK SLUDGE R | -0.84 | |
| MAXIMUM | -3.47 | |
| MINIMUM | -0.58 | |
| RANGE(MAX-MIN) | -2.890 | |
| MEAN | -1.793 | |
| STANDARD DEVIATION | 1.122 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Kobrinetz, Joaquin J.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -1.16 | |
| VOPB-OIL PAN BFL SLUDGE | 0.22 | |
| VRCL-RC BFL SLUDGE L | 0.50 | |
| VRCL-RC BFL SLUDGE R | 0.75 | |
| VRCL-RC SLUDGE L | -0.75 | |
| VRCL-RC SLUDGE R | -0.56 | |
| VSCAL-CAL RC BFL SLUDGE L | 1.11 | |
| VSCALR-CAL RC BFL SLUDGE R | 1.13 | |
| VTCC-TC CVR SLUDGE | 0.04 | |
| VVDL-VALVE DECK SLUDGE L | -0.43 | |
| VVDR-VALVE DECK SLUDGE R | 0.28 | |
| MAXIMUM | -1.16 | |
| MINIMUM | 0.04 | |
| RANGE(MAX-MIN) | -1.200 | |
| MEAN | 0.103 | |
| STANDARD DEVIATION | 0.758 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Langford, Mike

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.03 | |
| VOPB-OIL PAN BFL SLUDGE | 0.00 | |
| VRCL-RC BFL SLUDGE L | 0.41 | |
| VRCL-RC BFL SLUDGE R | 0.33 | |
| VRCL-RC SLUDGE L | 1.00 | |
| VRCL-RC SLUDGE R | -0.64 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.29 | |
| VTCC-TC CVR SLUDGE | 0.27 | |
| VVDL-VALVE DECK SLUDGE L | 0.03 | |
| VVDR-VALVE DECK SLUDGE R | 0.28 | |
| MAXIMUM | 1.00 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | 1.000 | |
| MEAN | 0.230 | |
| STANDARD DEVIATION | 0.403 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lonsway, Chris

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -1.07 | |
| VOPB-OIL PAN BFL SLUDGE | -0.34 | |
| VRCL-RC BFL SLUDGE L | 0.62 | |
| VRCL-RC BFL SLUDGE R | 0.56 | |
| VRCL-RC SLUDGE L | 0.38 | |
| VRCL-RC SLUDGE R | 0.04 | |
| VSCAL-CAL RC BFL SLUDGE L | -0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.12 | |
| VTCC-TC CVR SLUDGE | 1.05 | |
| VVDL-VALVE DECK SLUDGE L | 0.68 | |
| VVDR-VALVE DECK SLUDGE R | 0.95 | |
| MAXIMUM | -1.07 | |
| MINIMUM | 0.04 | |
| RANGE(MAX-MIN) | -1.110 | |
| MEAN | 0.202 | |
| STANDARD DEVIATION | 0.665 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lopez, Frank

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.06 | |
| VOPB-OIL PAN BFL SLUDGE | 0.68 | |
| VRCL-RC BFL SLUDGE L | 0.28 | |
| VRCL-RC BFL SLUDGE R | 0.53 | |
| VRCL-RC SLUDGE L | 0.25 | |
| VRCL-RC SLUDGE R | -0.26 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.05 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.23 | |
| VTCC-TC CVR SLUDGE | 0.66 | |
| VVDL-VALVE DECK SLUDGE L | 0.64 | |
| VVDR-VALVE DECK SLUDGE R | 0.69 | |
| MAXIMUM | 0.69 | |
| MINIMUM | 0.05 | |
| RANGE(MAX-MIN) | 0.640 | |
| MEAN | 0.294 | |
| STANDARD DEVIATION | 0.372 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Lowsky, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.94 | |
| VOPB-OIL PAN BFL SLUDGE | -0.68 | |
| VRCL-RC BFL SLUDGE L | -0.02 | |
| VRCL-RC BFL SLUDGE R | 0.19 | |
| VRCL-RC SLUDGE L | 1.00 | |
| VRCL-RC SLUDGE R | 0.19 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.24 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.09 | |
| VTCC-TC CVR SLUDGE | -1.00 | |
| VVDL-VALVE DECK SLUDGE L | 0.14 | |
| VVDR-VALVE DECK SLUDGE R | -1.35 | |
| MAXIMUM | -1.35 | |
| MINIMUM | -0.02 | |
| RANGE(MAX-MIN) | -1.330 | |
| MEAN | -0.024 | |
| STANDARD DEVIATION | 0.729 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= May, Marianne

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.88 | |
| VOPB-OIL PAN BFL SLUDGE | -0.68 | |
| VRCBL-RC BFL SLUDGE L | -1.07 | |
| VRCBR-RC BFL SLUDGE R | -0.39 | |
| VRCL-RC SLUDGE L | -1.25 | |
| VRCL-RC SLUDGE R | 0.64 | |
| VSCALL-CAL RC BFL SLUDGE L | -0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.65 | |
| VTCC-TC CVR SLUDGE | -1.16 | |
| VVDL-VALVE DECK SLUDGE L | -0.33 | |
| VVDR-VALVE DECK SLUDGE R | 0.08 | |
| MAXIMUM | -1.25 | |
| MINIMUM | 0.08 | |
| RANGE(MAX-MIN) | -1.330 | |
| MEAN | -0.565 | |
| STANDARD DEVIATION | 0.562 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Potocar, William P

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -1.16 | |
| VOPB-OIL PAN BFL SLUDGE | -1.14 | |
| VRCL-RC BFL SLUDGE L | 1.30 | |
| VRCL-RC BFL SLUDGE R | 1.11 | |
| VRCL-RC SLUDGE L | 0.00 | |
| VRCL-RC SLUDGE R | 0.19 | |
| VSCAL-CAL RC BFL SLUDGE L | -0.34 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.75 | |
| VTCC-TC CVR SLUDGE | 1.28 | |
| VVDL-VALVE DECK SLUDGE L | 0.53 | |
| VVDR-VALVE DECK SLUDGE R | 0.28 | |
| MAXIMUM | 1.30 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | 1.300 | |
| MEAN | 0.118 | |
| STANDARD DEVIATION | 0.901 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Price, Gregory

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.52 | |
| VOPB-OIL PAN BFL SLUDGE | -1.14 | |
| VRCL-RC BFL SLUDGE L | 0.16 | |
| VRCL-RC BFL SLUDGE R | 0.28 | |
| VRCL-RC SLUDGE L | 0.00 | |
| VRCL-RC SLUDGE R | 0.12 | |
| VSCAL-CAL RC BFL SLUDGE L | 0.72 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.71 | |
| VTCC-TC CVR SLUDGE | 1.24 | |
| VVDL-VALVE DECK SLUDGE L | -1.33 | |
| VVDR-VALVE DECK SLUDGE R | -0.33 | |
| MAXIMUM | -1.33 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -1.330 | |
| MEAN | -0.008 | |
| STANDARD DEVIATION | 0.783 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Reese, Kyle

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | | |
| VOPB-OIL PAN BFL SLUDGE | | |
| VRCL-RC BFL SLUDGE L | | |
| VRCL-RC BFL SLUDGE R | | |
| VRCL-RC SLUDGE L | | |
| VRCL-RC SLUDGE R | | |
| VSCAL-CAL RC BFL SLUDGE L | | |
| VSCALR-CAL RC BFL SLUDGE R | | |
| VTCC-TC CVR SLUDGE | | |
| VVDL-VALVE DECK SLUDGE L | | |
| VVDR-VALVE DECK SLUDGE R | | |
| MAXIMUM | | |
| MINIMUM | | |
| RANGE(MAX-MIN) | | |
| MEAN | | |
| STANDARD DEVIATION | | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Rodriguez, Jesus (Jesse)

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.30 | |
| VOPB-OIL PAN BFL SLUDGE | 2.04 | |
| VRCBL-RC BFL SLUDGE L | -1.07 | |
| VRCBR-RC BFL SLUDGE R | -0.95 | |
| VRCL-RC SLUDGE L | -2.13 | |
| VRCL-RC SLUDGE R | -0.86 | |
| VSCALL-CAL RC BFL SLUDGE L | 1.11 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.61 | |
| VTCC-TC CVR SLUDGE | -2.07 | |
| VVDL-VALVE DECK SLUDGE L | -1.08 | |
| VVDR-VALVE DECK SLUDGE R | -0.38 | |
| MAXIMUM | -2.13 | |
| MINIMUM | 0.30 | |
| RANGE(MAX-MIN) | -2.430 | |
| MEAN | -0.407 | |
| STANDARD DEVIATION | 1.302 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Sanchez, Arthur

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.52 | |
| VOPB-OIL PAN BFL SLUDGE | 0.79 | |
| VRCBL-RC BFL SLUDGE L | -2.76 | |
| VRCBR-RC BFL SLUDGE R | -1.01 | |
| VRCL-RC SLUDGE L | -0.88 | |
| VRCL-RC SLUDGE R | -0.04 | |
| VSCALL-CAL RC BFL SLUDGE L | 0.72 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.19 | |
| VTCC-TC CVR SLUDGE | -1.20 | |
| VVDL-VALVE DECK SLUDGE L | 0.53 | |
| VVDR-VALVE DECK SLUDGE R | 1.15 | |
| MAXIMUM | -2.76 | |
| MINIMUM | -0.04 | |
| RANGE(MAX-MIN) | -2.720 | |
| MEAN | -0.275 | |
| STANDARD DEVIATION | 1.143 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Seiz, Ray

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | -0.24 | |
| VOPB-OIL PAN BFL SLUDGE | 0.00 | |
| VRCBL-RC BFL SLUDGE L | -1.35 | |
| VRCBR-RC BFL SLUDGE R | -2.54 | |
| VRCL-RC SLUDGE L | -0.25 | |
| VRCL-RC SLUDGE R | -1.17 | |
| VSCALL-CAL RC BFL SLUDGE L | -1.40 | |
| VSCALR-CAL RC BFL SLUDGE R | -0.02 | |
| VTCC-TC CVR SLUDGE | -1.29 | |
| VVDL-VALVE DECK SLUDGE L | -0.33 | |
| VVDR-VALVE DECK SLUDGE R | -0.43 | |
| MAXIMUM | -2.54 | |
| MINIMUM | 0.00 | |
| RANGE(MAX-MIN) | -2.540 | |
| MEAN | -0.820 | |
| STANDARD DEVIATION | 0.793 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Trevino, Robert

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.40 | |
| VOPB-OIL PAN BFL SLUDGE | -0.23 | |
| VRCBL-RC BFL SLUDGE L | -1.01 | |
| VRCBR-RC BFL SLUDGE R | -0.56 | |
| VRCL-RC SLUDGE L | 0.13 | |
| VRCL-RC SLUDGE R | 0.49 | |
| VSCALL-CAL RC BFL SLUDGE L | -0.15 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.09 | |
| VTCC-TC CVR SLUDGE | 0.14 | |
| VVDL-VALVE DECK SLUDGE L | -0.08 | |
| VVDR-VALVE DECK SLUDGE R | 0.08 | |
| MAXIMUM | -1.01 | |
| MINIMUM | -0.08 | |
| RANGE(MAX-MIN) | -0.930 | |
| MEAN | -0.064 | |
| STANDARD DEVIATION | 0.427 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Veiga, Victor

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 1.13 | |
| VOPB-OIL PAN BFL SLUDGE | 0.11 | |
| VRCL-RC BFL SLUDGE L | 0.62 | |
| VRCL-RC BFL SLUDGE R | 1.03 | |
| VRCL-RC SLUDGE L | 1.50 | |
| VRCL-RC SLUDGE R | -0.19 | |
| VSCAL-CAL RC BFL SLUDGE L | -1.21 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.29 | |
| VTCC-TC CVR SLUDGE | 1.08 | |
| VVDL-VALVE DECK SLUDGE L | 1.89 | |
| VVDR-VALVE DECK SLUDGE R | 0.85 | |
| MAXIMUM | 1.89 | |
| MINIMUM | 0.11 | |
| RANGE(MAX-MIN) | 1.780 | |
| MEAN | 0.645 | |
| STANDARD DEVIATION | 0.863 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Viera, Ralph B.

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 1.04 | |
| VOPB-OIL PAN BFL SLUDGE | 0.11 | |
| VRCBL-RC BFL SLUDGE L | -0.42 | |
| VRCBR-RC BFL SLUDGE R | -0.64 | |
| VRCL-RC SLUDGE L | -2.00 | |
| VRCL-RC SLUDGE R | 1.17 | |
| VSCALL-CAL RC BFL SLUDGE L | 1.20 | |
| VSCALR-CAL RC BFL SLUDGE R | 1.76 | |
| VTCC-TC CVR SLUDGE | -0.45 | |
| VVDL-VALVE DECK SLUDGE L | -0.68 | |
| VVDR-VALVE DECK SLUDGE R | -1.76 | |
| MAXIMUM | -2.00 | |
| MINIMUM | 0.11 | |
| RANGE(MAX-MIN) | -2.110 | |
| MEAN | -0.061 | |
| STANDARD DEVIATION | 1.237 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Rater= Zalewski, John

YI Values

* Denotes parameters not used in Blue, Red, White & Yellow assessment

| PartID | TOTALS | |
|----------------------------|--------|--|
| VOP-OIL PAN SLUDGE | 0.49 | |
| VOPB-OIL PAN BFL SLUDGE | 0.45 | |
| VRCBL-RC BFL SLUDGE L | -1.13 | |
| VRCBR-RC BFL SLUDGE R | -1.15 | |
| VRCL-RC SLUDGE L | 0.25 | |
| VRCL-RC SLUDGE R | 0.42 | |
| VSCALL-CAL RC BFL SLUDGE L | 0.53 | |
| VSCALR-CAL RC BFL SLUDGE R | 0.50 | |
| VTCC-TC CVR SLUDGE | -0.41 | |
| VVDL-VALVE DECK SLUDGE L | 0.71 | |
| VVDR-VALVE DECK SLUDGE R | -0.48 | |
| MAXIMUM | -1.15 | |
| MINIMUM | 0.25 | |
| RANGE(MAX-MIN) | -1.400 | |
| MEAN | 0.016 | |
| STANDARD DEVIATION | 0.686 | |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Light Duty Piston Deposits

| Rater | Parts Rated | -1<yi<=1 | -2<yi<=2 | -3<yi<=3 | >3 | Yi STD | Group | Group Color |
|--------------------------|-------------|----------|----------|----------|-------|--------|--------|-------------|
| Aguirre, Nancy P | 9 | 86.1% | 100.0% | 100.0% | 0.0% | 0.63 | BLUE | |
| Barrera, Tony | 9 | 87.5% | 100.0% | 100.0% | 0.0% | 0.62 | BLUE | |
| Broff, Andy | 11 | 28.4% | 55.7% | 72.7% | 27.3% | 3.77 | YELLOW | |
| Cales, Jonathon | 11 | 72.7% | 96.6% | 100.0% | 0.0% | 0.84 | WHITE | |
| Campbell, Bryan | 11 | 45.5% | 71.6% | 80.7% | 19.3% | 3.81 | YELLOW | |
| Caproni, David | 10 | 70.0% | 97.5% | 100.0% | 0.0% | 0.93 | WHITE | |
| Castillo, George | 11 | 67.1% | 95.5% | 100.0% | 0.0% | 0.94 | WHITE | |
| DeCapite, Vanessa | 11 | 83.0% | 98.9% | 100.0% | 0.0% | 0.72 | RED | |
| Dominguez, Lucio | 11 | 65.9% | 95.5% | 100.0% | 0.0% | 0.97 | WHITE | |
| Foecking, Brian | 11 | 70.5% | 100.0% | 100.0% | 0.0% | 0.88 | WHITE | |
| Garza, Juan | 10 | 50.0% | 73.8% | 85.0% | 15.0% | 2.11 | YELLOW | |
| Greenland, Paul | 9 | 68.1% | 91.7% | 98.6% | 1.4% | 1.16 | WHITE | |
| Hurst, Kevin R. | 15 | 79.2% | 99.2% | 100.0% | 0.0% | 0.78 | WHITE | |
| King, Jennifer | 11 | 70.5% | 100.0% | 100.0% | 0.0% | 0.86 | WHITE | |
| Kobrinetz, Joaquin J. | 8 | 82.8% | 100.0% | 100.0% | 0.0% | 0.67 | RED | |
| Langford, Mike | 12 | 57.3% | 93.8% | 100.0% | 0.0% | 1.07 | YELLOW | |
| Lonsway, Chris | 10 | 77.5% | 100.0% | 100.0% | 0.0% | 0.68 | WHITE | |
| Lopez, Frank | 9 | 76.4% | 100.0% | 100.0% | 0.0% | 0.84 | WHITE | |
| Lowsky, John | 11 | 50.0% | 93.2% | 98.9% | 1.1% | 1.05 | YELLOW | |
| May, Marianne | 10 | 73.8% | 98.8% | 100.0% | 0.0% | 0.90 | WHITE | |
| Potocar, William P | 9 | 77.8% | 95.8% | 100.0% | 0.0% | 0.78 | WHITE | |
| Price, Gregory | 11 | 79.6% | 100.0% | 100.0% | 0.0% | 0.78 | WHITE | |
| Reese, Kyle | 8 | 53.1% | 87.5% | 96.9% | 3.1% | 1.33 | YELLOW | |
| Rodriguez, Jesus (Jesse) | 11 | 84.1% | 98.9% | 100.0% | 0.0% | 0.72 | RED | |
| Sanchez, Arthur | 10 | 71.3% | 98.8% | 100.0% | 0.0% | 0.87 | WHITE | |
| Seiz, Ray | 11 | 55.7% | 73.9% | 84.1% | 15.9% | 2.46 | YELLOW | |
| Trevino, Robert | 7 | 87.5% | 98.2% | 100.0% | 0.0% | 0.70 | BLUE | |
| Veiga, Victor | 13 | 64.4% | 92.3% | 98.1% | 1.9% | 1.28 | YELLOW | |
| Viera, Ralph B. | 11 | 64.8% | 100.0% | 100.0% | 0.0% | 0.92 | WHITE | |
| Zalewski, John | 11 | 55.7% | 85.2% | 95.5% | 4.6% | 1.47 | YELLOW | |

Group Criteria

| | Minimum Number of Parts Rated | Minimum Yi's Within 1 STD of mean | Minimum Yi's Within 2 STD of mean | Maximum Overall Yi STD | Group Totals | |
|--------|-------------------------------------|--|--|------------------------------|-----------------|-----|
| White | 6 | 60% | 90% | 1.20 | 15 | 50% |
| Red | 6 | 80% | 95% | 0.85 | 3 | 10% |
| Blue | 6 | 85% | 98% | 0.75 | 3 | 10% |
| Yellow | - | - | - | - | 9 | 30% |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Induction & Combustion Deposits

| Rater | Parts Rated | -1<yi<=1 | -2<yi<=2 | -3<yi<=3 | >3 | Yi STD | Group | Group Color |
|--------------------------|-------------|----------|----------|----------|------|--------|--------|-------------|
| Aguirre, Nancy P | 12 | 90.0% | 100.0% | 100.0% | 0.0% | 0.63 | BLUE | |
| Barrera, Tony | 13 | 67.9% | 92.9% | 100.0% | 0.0% | 1.03 | WHITE | |
| Broff, Andy | 10 | 75.0% | 95.8% | 100.0% | 0.0% | 0.88 | WHITE | |
| Campbell, Bryan | 13 | 28.6% | 85.7% | 96.4% | 3.6% | 1.27 | YELLOW | |
| Castillo, George | 13 | 85.7% | 100.0% | 100.0% | 0.0% | 0.59 | BLUE | |
| DeCapite, Vanessa | 4 | 58.3% | 100.0% | 100.0% | 0.0% | 0.40 | N/A | |
| Dominguez, Lucio | 13 | 71.4% | 96.4% | 100.0% | 0.0% | 0.72 | WHITE | |
| Foecking, Brian | 13 | 71.4% | 96.4% | 100.0% | 0.0% | 0.92 | WHITE | |
| King, Jennifer | 13 | 82.1% | 100.0% | 100.0% | 0.0% | 0.78 | RED | |
| Kobrinetz, Joaquin J. | 3 | 61.1% | 83.3% | 100.0% | 0.0% | 0.92 | N/A | |
| Lonsway, Chris | 3 | 25.0% | 75.0% | 100.0% | 0.0% | 0.93 | N/A | |
| Lopez, Frank | 13 | 78.6% | 100.0% | 100.0% | 0.0% | 0.72 | WHITE | |
| Lowsky, John | 13 | 67.9% | 92.9% | 100.0% | 0.0% | 0.84 | WHITE | |
| May, Marianne | 3 | 100.0% | 100.0% | 100.0% | 0.0% | 0.34 | N/A | |
| Price, Gregory | 13 | 64.3% | 100.0% | 100.0% | 0.0% | 0.62 | WHITE | |
| Rodriguez, Jesus (Jesse) | 13 | 71.4% | 100.0% | 100.0% | 0.0% | 0.88 | WHITE | |
| Sanchez, Arthur | 13 | 75.0% | 100.0% | 100.0% | 0.0% | 0.83 | WHITE | |
| Seiz, Ray | 13 | 71.4% | 92.9% | 100.0% | 0.0% | 1.00 | WHITE | |
| Trevino, Robert | 12 | 95.0% | 100.0% | 100.0% | 0.0% | 0.45 | BLUE | |
| Viera, Ralph B. | 3 | 88.9% | 100.0% | 100.0% | 0.0% | 0.55 | N/A | |
| Zalewski, John | 13 | 32.1% | 82.1% | 92.9% | 7.1% | 1.63 | YELLOW | |

Group Criteria

| | Minimum Number of Parts Rated | Minimum Yi's Within 1 STD of mean | Minimum Yi's Within 2 STD of mean | Maximum Overall Yi STD | Group Totals | |
|--------|-------------------------------|-----------------------------------|-----------------------------------|------------------------|--------------|-----|
| White | 6 | 60% | 90% | 1.20 | 10 | 62% |
| Red | 6 | 80% | 95% | 0.85 | 1 | 6% |
| Blue | 6 | 85% | 98% | 0.75 | 3 | 19% |
| Yellow | - | - | - | - | 2 | 12% |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Sequence V Varnish

| Rater | Parts Rated | -1<yi<=1 | -2<yi<=2 | -3<yi<=3 | >3 | Yi STD | Group | Group Color |
|--------------------------|-------------|----------|----------|----------|-------|--------|--------|-------------|
| Aguirre, Nancy P | 40 | 80.0% | 100.0% | 100.0% | 0.0% | 0.70 | RED | |
| Barrera, Tony | 40 | 62.5% | 92.5% | 100.0% | 0.0% | 0.84 | WHITE | |
| Broff, Andy | 38 | 47.4% | 76.3% | 94.7% | 5.3% | 1.44 | YELLOW | |
| Cales, Jonathon | 40 | 55.0% | 90.0% | 100.0% | 0.0% | 1.00 | YELLOW | |
| Campbell, Bryan | 40 | 32.5% | 77.5% | 87.5% | 12.5% | 1.82 | YELLOW | |
| Caproni, David | 40 | 57.5% | 100.0% | 100.0% | 0.0% | 0.50 | YELLOW | |
| Castillo, George | 40 | 57.5% | 100.0% | 100.0% | 0.0% | 1.01 | YELLOW | |
| DeCapite, Vanessa | 40 | 55.0% | 95.0% | 100.0% | 0.0% | 0.99 | YELLOW | |
| Dominguez, Lucio | 40 | 70.0% | 95.0% | 100.0% | 0.0% | 0.82 | WHITE | |
| Foecking, Brian | 40 | 72.5% | 100.0% | 100.0% | 0.0% | 0.78 | WHITE | |
| Garza, Juan | 24 | 29.2% | 54.2% | 75.0% | 25.0% | 1.83 | YELLOW | |
| Greenland, Paul | 40 | 82.5% | 100.0% | 100.0% | 0.0% | 0.81 | RED | |
| Hurst, Kevin R. | 40 | 72.5% | 90.0% | 100.0% | 0.0% | 1.01 | WHITE | |
| King, Jennifer | 40 | 32.5% | 87.5% | 100.0% | 0.0% | 0.78 | YELLOW | |
| Kobrinetz, Joaquin J. | 32 | 75.0% | 96.9% | 100.0% | 0.0% | 0.84 | WHITE | |
| Langford, Mike | 24 | 66.7% | 95.8% | 100.0% | 0.0% | 1.01 | WHITE | |
| Lonsway, Chris | 40 | 67.5% | 100.0% | 100.0% | 0.0% | 0.75 | WHITE | |
| Lopez, Frank | 40 | 85.0% | 100.0% | 100.0% | 0.0% | 0.78 | RED | |
| Lowsky, John | 40 | 70.0% | 95.0% | 100.0% | 0.0% | 0.92 | WHITE | |
| May, Marianne | 40 | 92.5% | 100.0% | 100.0% | 0.0% | 0.58 | BLUE | |
| Potocar, William P | 40 | 82.5% | 100.0% | 100.0% | 0.0% | 0.67 | RED | |
| Price, Gregory | 40 | 72.5% | 92.5% | 100.0% | 0.0% | 0.81 | WHITE | |
| Reese, Kyle | 28 | 64.3% | 92.9% | 100.0% | 0.0% | 1.01 | WHITE | |
| Rodriguez, Jesus (Jesse) | 40 | 75.0% | 97.5% | 100.0% | 0.0% | 0.89 | WHITE | |
| Sanchez, Arthur | 40 | 90.0% | 95.0% | 97.5% | 2.5% | 0.78 | RED | |
| Seiz, Ray | 40 | 52.5% | 90.0% | 100.0% | 0.0% | 0.90 | YELLOW | |
| Trevino, Robert | 36 | 86.1% | 100.0% | 100.0% | 0.0% | 0.74 | BLUE | |
| Veiga, Victor | 40 | 27.5% | 70.0% | 87.5% | 12.5% | 1.08 | YELLOW | |
| Viera, Ralph B. | 40 | 50.0% | 95.0% | 100.0% | 0.0% | 0.72 | YELLOW | |
| Zalewski, John | 40 | 50.0% | 67.5% | 80.0% | 20.0% | 2.12 | YELLOW | |

Group Criteria

| | Minimum Number of Parts Rated | Minimum Yi's Within 1 STD of mean | Minimum Yi's Within 2 STD of mean | Maximum Overall Yi STD | Group Totals | |
|--------|-------------------------------------|--|--|------------------------------|-----------------|-----|
| White | 6 | 60% | 90% | 1.20 | 11 | 37% |
| Red | 6 | 80% | 95% | 0.85 | 5 | 17% |
| Blue | 6 | 85% | 98% | 0.75 | 2 | 7% |
| Yellow | - | - | - | - | 12 | 40% |

LIGHT DUTY RATING WORKSHOP (April 5-7, 2016)

Sludge Deposits

| Rater | Parts Rated | -1<yi<=1 | -2<yi<=2 | -3<yi<=3 | >3 | Yi STD | Group | Group Color |
|--------------------------|-------------|----------|----------|----------|-------|--------|--------|-------------|
| Aguirre, Nancy P | 11 | 90.9% | 100.0% | 100.0% | 0.0% | 0.61 | BLUE | |
| Barrera, Tony | 11 | 90.9% | 90.9% | 100.0% | 0.0% | 0.89 | WHITE | |
| Broff, Andy | 9 | 11.1% | 66.7% | 77.8% | 22.2% | 0.94 | YELLOW | |
| Cales, Jonathon | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.86 | WHITE | |
| Campbell, Bryan | 11 | 72.7% | 72.7% | 81.8% | 18.2% | 1.58 | YELLOW | |
| Caproni, David | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.82 | WHITE | |
| Castillo, George | 11 | 81.8% | 100.0% | 100.0% | 0.0% | 0.59 | RED | |
| DeCapite, Vanessa | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.45 | WHITE | |
| Dominguez, Lucio | 11 | 90.9% | 100.0% | 100.0% | 0.0% | 0.63 | BLUE | |
| Foecking, Brian | 11 | 63.6% | 100.0% | 100.0% | 0.0% | 0.82 | WHITE | |
| Greenland, Paul | 11 | 100.0% | 100.0% | 100.0% | 0.0% | 0.38 | BLUE | |
| Hurst, Kevin R. | 11 | 63.6% | 100.0% | 100.0% | 0.0% | 0.48 | WHITE | |
| King, Jennifer | 11 | 36.4% | 54.6% | 72.7% | 27.3% | 1.12 | YELLOW | |
| Kobrinetz, Joaquin J. | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.76 | WHITE | |
| Langford, Mike | 11 | 90.9% | 100.0% | 100.0% | 0.0% | 0.40 | BLUE | |
| Lonsway, Chris | 11 | 81.8% | 100.0% | 100.0% | 0.0% | 0.66 | RED | |
| Lopez, Frank | 11 | 100.0% | 100.0% | 100.0% | 0.0% | 0.37 | BLUE | |
| Lowsky, John | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.73 | WHITE | |
| May, Marianne | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.56 | WHITE | |
| Potocar, William P | 11 | 54.6% | 100.0% | 100.0% | 0.0% | 0.90 | YELLOW | |
| Price, Gregory | 11 | 72.7% | 100.0% | 100.0% | 0.0% | 0.78 | WHITE | |
| Rodriguez, Jesus (Jesse) | 11 | 45.5% | 72.7% | 100.0% | 0.0% | 1.30 | YELLOW | |
| Sanchez, Arthur | 11 | 63.6% | 90.9% | 100.0% | 0.0% | 1.14 | WHITE | |
| Seiz, Ray | 11 | 54.6% | 90.9% | 100.0% | 0.0% | 0.79 | YELLOW | |
| Trevino, Robert | 11 | 90.9% | 100.0% | 100.0% | 0.0% | 0.43 | BLUE | |
| Veiga, Victor | 11 | 45.5% | 100.0% | 100.0% | 0.0% | 0.86 | YELLOW | |
| Viera, Ralph B. | 11 | 45.5% | 90.9% | 100.0% | 0.0% | 1.24 | YELLOW | |
| Zalewski, John | 11 | 81.8% | 100.0% | 100.0% | 0.0% | 0.69 | RED | |

Group Criteria

| | Minimum Number of Parts Rated | Minimum Yi's Within 1 STD of mean | Minimum Yi's Within 2 STD of mean | Maximum Overall Yi STD | Group Totals | |
|--------|-------------------------------------|--|--|------------------------------|-----------------|-----|
| White | 6 | 60% | 90% | 1.20 | 11 | 39% |
| Red | 6 | 80% | 95% | 0.85 | 3 | 11% |
| Blue | 6 | 85% | 98% | 0.75 | 6 | 21% |
| Yellow | - | - | - | - | 8 | 29% |