



A Program of ASTM International

Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

November 2, 2018

To Participants of the ASTM International Heavy Duty Rating Workshop:

The ASTM International Heavy Duty Rating Workshop was held on October 22-26, 2018, 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,

A handwritten signature in cursive script that reads "Michael T. Kasimirsky".

Michael T. Kasimirsky
Workshop Coordinator

Notes on the Data

Following is the data produced during the October 22-26, 2018, ASTM International Heavy 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 and all participants. It is important to have some knowledge of the raters involved when comparing results.

In the rating data, rating results noted in **green** are values closest to the target mean for that part or location. Rating results noted in **blue** are values that are furthest from the target mean for that part or location, but still within a range of plus or minus two standard deviations. Rating results noted in **red** are values that are furthest from the target mean for that part or location, which have exceeded a range of plus or minus two standard deviations. Rating results noted in **red-strikethrough** are values that are furthest from the target mean for that part or location, which are also considered “outlier observations” based upon a 99.8% significance level, as defined by ASTM Standard Practice E178 **Standard Practice for Dealing With Outlying Observations**. No screening was done to the target data.

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.

Heavy Duty Rating Workshop

October 22-26, 2018

San Antonio, Texas

Monday, October 22, 2018

The workshop began at 1:00pm with 14 raters in attendance (see sign-in sheet) for Session A. Michael Kasimirsky gave some opening remarks on the format of the workshop. Special thanks were given to Lucio Dominguez of Intertek Automotive Research for all the help in gathering the parts used at the workshop.

The format and room layouts of the workshop were reviewed, along with parts assignments and computer access instructions.

For 2018, a group of raters who achieved "non-yellow" color codes at the 2017 Heavy Duty Rating Workshop were identified. This group of raters was invited to Session A of the Heavy Duty Rating Workshop, which was used to set the rating targets for all parts in both sessions. Of the 17 raters identified as possible "target raters," 14 raters were in attendance in Session A.

In addition to the T8 fluorescent sludge lights that were recently put into use, a set of LED sludge lights were set up at this workshop for evaluation. These lights use the same fixtures as the new T8 fluorescent lights, but have been converted to LED using two CREE LED conversion kits per fixture. These LED fixtures were available for rating sludge parts, for comparison to ratings made using conventional fluorescent lighting.

At 1:20 pm, the group began rating the workshop parts. After some discussion, the group agreed on a set of parts and locations to be rated as a "preliminary exercise," before they embarked on rating all the workshop parts.

At 2:30pm, the group reviewed the data they had generated on their agreed-upon "preliminary exercise" parts and locations. Once completed, rating resumed for the day.

At 6:30pm, the group adjourned for the day.

Tuesday, October 23, 2018

Rating of the workshop parts by the Session A raters continued all day, with a break for lunch at 12:00pm. The room was opened at 5:50am and closed at 5:45pm for the day.

Wednesday, October 24, 2018

The room was opened for rating at 6:40am and the Session A group finished rating the workshop parts.

At 8:05am, Session B of the workshop began with 23 raters in attendance (see sign-in sheet). Special thanks were given to Tony Barrera & Lucio Dominguez of Intertek Automotive Research for all their help in gathering the parts used at the workshop.

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. The changes to the workshop format for 2018 that were outlined at the start of Session A were also reviewed.

Heavy Duty Rating Workshop

October 22-26, 2018

San Antonio, Texas

At 8:55am, the Session B raters began rating the workshop parts.

At 10:00am, the Session A raters began their final data review.

At 11:20am, the Session A raters concluded their data review.

At 11:45am, both groups adjourned for lunch.

At 12:15pm, the Session B raters resumed rating the workshop parts, while the Session A raters who were not remaining at the workshop to provide training, were finished with the workshop and released. Rating continued until 6:20pm, with some raters receiving additional training, as the need for training was identified by the workshop data.

Thursday, October 25, 2018

Rating of the workshop parts by the Session B raters continued all day, with a break for lunch at 12:00pm. The room was opened at 6:10am and closed at 5:55pm for the day, with some raters receiving additional training, as the need for it was identified by the workshop data.

Friday, October 26, 2018

Rating of the workshop parts by the Session B raters was completed by 9:40am and the group began the final data review of the workshop parts at 10:00am. The final data review was completed at 11:10am and the workshop adjourned.

Discussions

Use of LED Lighting in Rating

Several different options for moving to LED lighting in the rating environment were available for evaluation at this workshop. More work needs to be done on this topic and no actions were taken on it at this time.

Undercrown Rating

Undercrown ratings were not performed at this workshop. Undercrown rating requires removal of the pistons from the rating stands, along with significant handling of the pistons to perform the rating. This process can dislodge carbon deposits from other areas of the piston, which will change the ratings of those areas. In addition, some of the piston types at the workshop have a coated undercrown area, which is extremely difficult to rate. It was decided that the value of the undercrown data obtained was not worth the risk to the other results generated in the workshop.

Heavy Duty Rating Workshop

October 22-26, 2018

San Antonio, Texas

Bracketed Ratings

The workshop used several types of pistons that are run in ASTM Standard Test Methods, and these Test Methods specify that some locations of these pistons should be rated using "bracketed" rating techniques. For the workshop, these locations were evaluated using bracketed ratings.

Future Workshops

The next Light Duty Rating Workshop will be held in Spring 2019, most likely in April 2019.

The next Heavy Duty Rating Workshop will be held in October 2019.

Locations and dates for either workshop have not been finalized at this time.

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

Heavy Duty Rating Workshop 2018 – Session A
Sign-In Sheet

Aguirre, Nancy P

Nancy P Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Vanessa DeCapite

Foecking, Brian

Brian Foecking

Hayden, Matthew

Matthew Hayden

Hills, Barry

Barry Hills

Kobrinetz, Joaquin J.

Joaquin J Kobrinetz

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Price, Gregory

Gregory Price

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Trevino, Robert

Robert Trevino

Heavy Duty Rating Workshop 2018 – Session A
Sign-In Sheet

Aguirre, Nancy P

Nancy P. Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Vanessa DeCapite

Foecking, Brian

Brian Foecking

Hayden, Matthew

Matthew Hayden

Hills, Barry

Barry Hills

Kobrinetz, Joaquin J.

Joaquin J. Kobrinetz

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Price, Gregory

PRESENT

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Trevino, Robert

Robert Trevino

Heavy Duty Rating Workshop 2018 – Session A

Sign-In Sheet

Aguirre, Nancy P

Nancy P. Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Vanessa DeCapite

Foecking, Brian

Brian Foecking

Hayden, Matthew

Matthew Hayden

Hills, Barry

Barry Hills

Kobrinetz, Joaquin J.

Joaquin J. Kobrinetz

Lonsway, Chris

Chris Lonsway

Lopez, Frank

Frank Lopez

Price, Gregory

Gregory Price

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

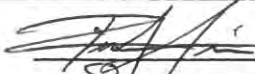
Trevino, Robert

Robert Trevino

Heavy Duty Rating Workshop 2018 – Session B

Sign-In Sheet

Arrizon, Richard



Bolaney, Jonathan



Broff, Andy

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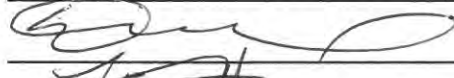
Cales, Jonathon



Chao, Qian

Qian Chao

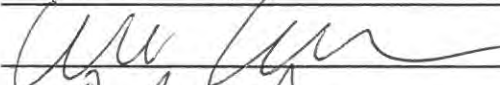
Demel, Samuel



Dominguez, Lucio



Escobar, Wilmar



Garcia, Orlando

Orlando Garcia

Hodgson, Joshua



Jiao, Deng

Jiao Deng

JUNJUN, ZHU

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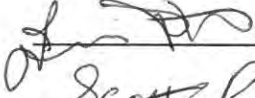
Liang, Chen

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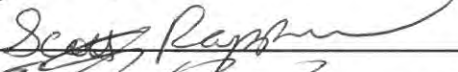
Pan, Yinliang

Pan Yinliang

Pitta, Jimmy



Rappmund, Scott



Rodriguez, Edward



Sanchez, Christopher



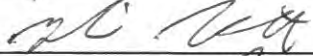
Stremlow, Mike



Terrado, Ken



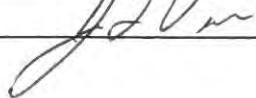
Ueta, Yuki



Veiga, Victor



Von Staden, Jon



Heavy Duty Rating Workshop 2018 – Session B

Sign-In Sheet

Arrizon, Richard

Richard Arrizon

Bolaney, Jonathan

Jonathan Bolaney

Broff, Andy

Andy Broff

Cales, Jonathon

Jonathon Cales

Chao, Qian

Qian Chao

Demel, Samuel

Samuel Demel

Dominguez, Lucio

Lucio Dominguez

Escobar, Wilmar

Wilmar Escobar

Garcia, Orlando

Orlando Garcia

Hodgson, Joshua

Joshua Hodgson

Jiao, Deng

Jiao Deng

JUNJUN, ZHU

朱君君

Liang, Chen

陈辰

Pan, Yinliang

Yinliang Pan

Pitta, Jimmy

Jimmy Pitta

Rappmund, Scott

Scott Rappmund

Rodriguez, Edward

Edward Rodriguez

Sanchez, Christopher

Christopher Sanchez

Stremlow, Mike

Mike Stremlow

Terrado, Ken

Ken Terrado

Ueta, Yuki

Yuki Ueta

Veiga, Victor

Victor Veiga

Von Staden, Jon

Jon Von Staden

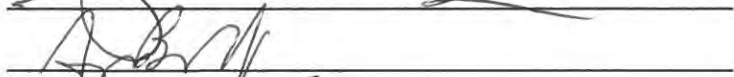
Heavy Duty Rating Workshop 2018 – Session B

Sign-In Sheet

Arrizon, Richard



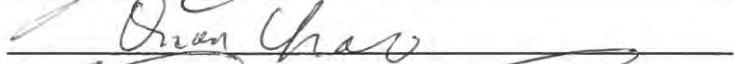
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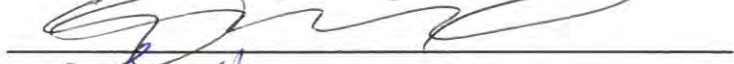
Broff, Andy



Cales, Jonathon



Chao, Qian



Demel, Samuel



Dominguez, Lucio



Escobar, Wilmar



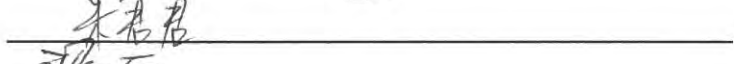
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Hodgson, Joshua




Jiao, Deng



JUNJUN, ZHU



Liang, Chen



Pan, Yinliang



Pitta, Jimmy



Rappmund, Scott



Rodriguez, Edward



Sanchez, Christopher



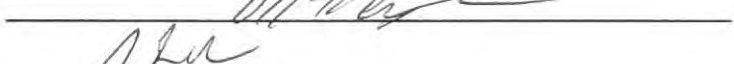
Stremlow, Mike



Terrado, Ken



Ueta, Yuki



Veiga, Victor



Von Staden, Jon



Welcome to the Heavy Duty Rating Workshop

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



Heavy Duty Rating Workshop

October 2018



Volunteers

- Thank you to Lucio Dominguez and the entire Intertek Staff for their support and for providing parts for the workshop.



Rating Workshop Server Info

- To access the workshop server, access the local wireless network called “workshop2018”
- The wireless network password is “heavyduty”
- Workshop Web Address: <http://192.168.1.108/>
- 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.]
- 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 Targets for 2018

- This group will set all targets used in the 2018 Heavy Duty Rating Workshop.
- You are encouraged to rate all the parts.
- Parts are assigned to you, if you cannot complete all the parts in the workshop.



Heavy Duty Rating Workshop
Data Entry Network

<http://192.168.1.108/>



Welcome!

» Heavy Duty Rating Workshop
October 24 – 26, 2018
San Antonio, TX

Test Monitoring Center
<http://astmtmc.cmu.edu>



Please Sign In

- ▶ Pick up rating scales packet
- ▶ *Sign attendance sheet each day!*
- ▶ Rating worksheets are available at front table

Test Monitoring Center
<http://astmtmc.cmu.edu>



Work Environment

- ▶ Please maintain a 'library-like' atmosphere in both the rating and conference rooms.



Test Monitoring Center
<http://astmtmc.cmu.edu>



Data Entry Server Info

- ▶ WiFi Network:
 - [workshop2018](#)
- ▶ WiFi Network Password:
 - [heavyduty](#)
- ▶ Web Address:
 - <http://192.168.1.108>

Test Monitoring Center
<http://astmtmc.cmu.edu>



Data Entry Server Info

- ▶ User name:
 - Your user name is printed in *red* on your packet summary page
 - Enter your *user name* in the *password* field.
 - Leave “TMC” in the other field

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<http://astmtmc.cmu.edu>



! IMPORTANT !

- ▶ All ratings are entered in merits.
- ▶ If data entry *does not auto-calculate* then:
 - *Stop immediately and get help* or your data will not be saved!

Test Monitoring Center
<http://astmtmc.cmu.edu>



Help is Available

- ▶ Computer / Network / Equipment Issues
 - TMC Personnel
- ▶ Rating Issues / Questions
 - Rating Advisor
 - Look for the red t-shirt



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Data Entry Screening

- ▶ On submission, the data entry system will *flag a part* if there is a rating value that *needs to be reviewed*.
 - What to do?
 - Seek out a rating advisor



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Flagged Part – Rating Advising

- ▶ Work with the advisor for guidance
- ▶ Re-evaluate the rating in question
- ▶ When ready to re-submit rating,
advisor will request TMC to unlock
data entry

Test Monitoring Center
<http://astmtmc.cmu.edu>



Flagged Part – Rating Advising

- ▶ *Only two* re-rates per flagged part is permitted.

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Do's and Don'ts

- ▶ Do
 - Ask **advisors** regarding all parts and ratings issues
 - Ask **TMC** regarding network/IT/data entry issues
 - Notify **TMC** of any equipment issues
 - Be considerate of other raters
 - Quiet in both rooms
 - Do not take excessive time in any single booth

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Do's and Don'ts

- ▶ Don't
 - *Pick at deposits or alter parts in any way*
 - *Take pistons off of stands*
 - *Don't remove piston caps*
 - Ask about your color code during rating portion of the workshop
 - Ask TMC personnel about rating issues
 - Ask the experts 

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A Program of ASTM International

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 front of the room.*



Rating Manuals

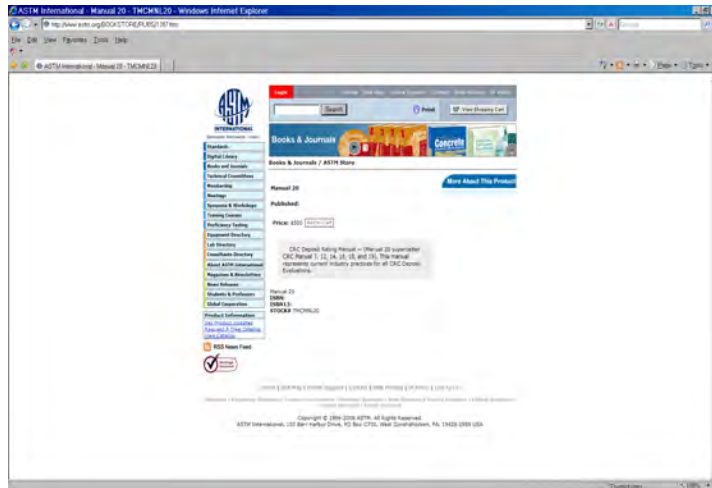
ASTM Headquarters supplies:

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

Go to : WWW.ASTM.ORG



Rating Manuals 20 & 21



Workshop Format

- Heavy Duty Piston Deposits
 - Three “Letter Sets” of Pistons
 - Three Keystone Pistons
 - Three C13-Type Pistons
 - One DV4 Piston
- C13 Ring Carbon
 - Six C13 ring sets (6 rings per set)
- Engine Sludge
 - A full set of ISM test parts
 - A full set of VH test parts



Workshop Format (Continued)

- Data Review & Discussion



Parts Assignments

- Two Sets of “Lettered” parts (A, B, C)
 - Three Keystone Pistons
 - Three C13-Type Pistons
 - One DV4 Piston
- Four Sets of C13 Rings (24 rings)
- Sludge Parts



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.



"Demerit" Ratings

- For this workshop, all ratings should be made and recorded in the merit scale.
- Demerit results will be calculated for all **applicable** piston deposit ratings.



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 2017 and Beyond

- Use of “Target Rater Group” for establishing Workshop Targets.
- New Merit Scale Breakdown Limits.
- New Method for Entering Carbon Ratings.
- Implement a Minimum Standard Deviation for results calculations.



Rating Booth Time Limits

- Please try to limit your time in any particular rating booth. Twenty minutes per booth is a reasonable time limit.



Review of TMC Manual 20 Rating Fundamentals

- Deposit – Any presence of material that has **intensity (color)** or **depth**. Deposits can occur on any internal engine, driveline or fuel system component due to the interaction of lubricant and/or fuel with the respective part. (page 9)
 - Deposits can be rated as: (page 19)
 - Carbon
 - Varnish
 - Sludge
 - Rust*

Non-Carbon Deposits
- * Rust is a special case of corrosion which will always deteriorate or alter the original surface condition.



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.



Manual 20 Definitions

- **Varnish** – is a thin, hard, lustrous, oil-insoluble deposit, composed primarily of organic residue, and most readily definable by color intensity. It is not easily removed by wiping with a clean, dry, soft, lint-free wiping material and is resistant to saturated solvents. Its color may vary, but it usually appears in gray, brown, or amber hues. (page 43)



Manual 20 Definitions (cont)

- **Carbon** – a firm, highly insoluble deposit composed primarily of organic residue, and most readily definable by thickness or volume and texture. It is usually non-lustrous, except when rubbed smooth between adjoining parts, and is found primarily on surfaces operating above bulk unit temperature, but below the ashing point. It can be any color and is not limited to black, brown, or gray (page 49)



Manual 20 Definitions (cont)

- **Sludge** – is a deposit composed of organic residue which may contain fuel, lubricant, and/or water. Such deposits will be found on surfaces operating at bulk unit temperature and exposed to fuels and/or lubricants. These deposits do not drain from parts, but can be removed by wiping with moderate pressure using a lint-free wiping material. Deposits rated as sludge may vary in characteristics – color, transparency, and consistency. (page 23)



Varnish & Rust

- Rust and varnish normally have only intensity; however, deposit thickness will increase with intensity. The intensity factor is not intended to reflect the color of the surface. Three scales are used as a guide in establishing an intensity number which is independent of the original surface color. (page 19)



Manual 20 “Clean” Search

Sludge Rating Scale

Sludge ratings are made on a merit basis where a rating of 10.0 designates a part completely free of sludge. (page 23)

Rust/Varnish/Rubbed Carbon Rating Scale

The CRC Rust/Varnish/Rubbed Carbon Rating Scale is a continuous merit scale, ranging from 10.0 which is clean (the absence of deposits) to 0.0 which represents maximum deposits (heavy rubbed deposits, or those deposits that fill all of the available space between mating or adjoining hardware and display a rubbed or polished appearance). (page 50)

As a practical matter, there is no upper “clean limit” on a part run in an engine.

The “rule of thumb” that any “used” part can’t rate higher than 9.x merits has no basis in the Rating Manual.



Sludge (Page 23)

- Sludge deposits are rated by their depth.
- Deposits represented by the letters 1/4A, 1/2A, 3/4A, A, AB, B, BC, and C are illustrated by the Sludge Depth Photo Scale.
- The "C" deposit level is to be determined by use of the Sludge Depth Gauge.
 - This gauge is the only mechanism for measuring sludge depth of "C" thickness or greater defined by the Sludge Depth Scale.



Carbon (Page 19)

- Carbon deposits are rated by their depth.
- Rubbed carbon depth is limited by the clearance between the parts on which it exists.
 - The maximum level occupies all the available space between the adjoining parts.
 - The minimum level has depth and a granular or matte surface, can be any color and is not limited to black, brown, or gray.



Manual 20 Carbon Levels

Typical Illustration					
Clearance Fill	100%	>66%<100%	33% - 66%	15% - <33%	15%
Description	HC	MHC	MC	LC	VLC
Deposit Factor (Demerit)	1.00	0.75	0.50	0.25	0.15
Deposit Factor (Merit)	0.00	0.25	0.50	0.75	0.85

HC = Heavy Carbon
 MHC = Medium Heavy Carbon
 MC = Medium Carbon
 LC = Light Carbon
 VLC = Very Light Carbon



Groove Deposit Review

- Groove carbon deposits at 100% clearance fill are mostly polished. However, even lesser depths of carbon can exhibit polished areas due to excess amount of carbon on the back of the ring and relative ring movement. These deposits are deemed **Heavy Carbon**.



Groove Deposit Review

- Groove carbon deposits greater than 25% clearance fill but less than 100% clearance fill, have depth and a granular or matte surface, can be any color and are not limited to black, brown, or gray. These are deemed **Medium Carbon**.



Groove Deposit Review

- Groove carbon deposits < 25% clearance fill have depth and a granular or matte surface, can be any color and are not limited to black, brown, or gray. These are deemed **Light Carbon**.



Groove Deposit Review

- Five Carbon Levels are recommended for pistons larger than 6 inches of bore diameter.
- For small-bore pistons, fewer carbon levels are recommended:
 - Three Levels (heavy, medium, and light) for ring grooves.
 - Two levels (heavy and one other) for ring lands and skirts.
- *These are only recommendations. (page 80)*



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)
 - MC Medium Carbon (0.50 merits)
 - LC Light Carbon (0.75 merits)
 - Text values ARE CASE SENSITIVE
 - Please enter HC, MC and LC into the computer as your ratings! DO NOT ENTER the numbers



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.
 - Based upon many discussions 0.1 merits is the smallest standard deviation that will be used in all parts calculations.
 - Values larger than this limit will be used as calculated.



Workshop Color Codes

- The following “Color Codes” will be calculated for this workshop:
 - Heavy Duty Piston Deposits
 - C13 Ring Carbon
 - Sludge
- The applicable Color Code for each part is shown on the appropriate booth sign for the part.



Workshop Color Codes

- Heavy Duty Piston Deposits (minimum of 6 parts needed)
 - Three “Lettered” Piston sets
 - Nine Keystone Pistons
 - Nine C13-Type Pistons
 - Three DV4 Pistons
- C13 Ring Carbon (minimum 24 rings needed)
 - Six Sets of C13 Rings
- Sludge (must rate all parts)
 - Full set of ISM test parts
 - Full set of VH test parts



“Bracketed” Ratings

- For this workshop, “bracketed” ratings are specified for certain locations of pistons rated in the Demerit Scale.
- Rate parts per normal rating procedure.
- When entering values into the computer, you will see bracketing on the C13 pistons (3rd groove, 3rd and 4th land).
- The values that fit into those brackets are shown at the bottom of the C13 sheet in the computer program. Enter values in appropriate bracket.



#1 Rating Myth Dispelled

- **The Myth:** *“There are lots of ways to get to the final rating number on a part.”*
- **The Facts:** The part has one unique set of deposits on it. Those deposits correspond to one specific rating value.
 - A rated part surface that returns values of 0 merits over 50% of its surface and 10 merits over 50% of its surface is not the same as one that has rated values of 5 merits over 100% of its surface, even though the overall ratings of the two are mathematically identical.



Heavy Duty Rating Workshop
Data Entry Network

<http://192.168.1.108/>



Heavy Duty Rating Workshop 2018

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

A1 Keystone	A2 Keystone	A3 Keystone	A4 C13-Type
A5 C13-Type	A6 C13-Type	A7 DV4	J1-6/K1-6 C13 Rings

LED Evaluation Sludge Booth

B1 Keystone	B2 Keystone	B3 Keystone	B4 C13-Type
B5 C13-Type	B6 C13-Type	B7 DV4	L1-6/M1-6 C13 Rings

ISM Rocker Cover, L Rocker Cover, L RC Baffle, L Valve Deck Sludge, Timing Chain

C1 Keystone	C2 Keystone	C3 Keystone	C4 C13-Type
C5 C13-Type	C6 C13-Type	C7 DV4	N1-6/O1-6 C13 Rings

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	27.00	23.88	1.84	1.06	1.11	25.06	1.85	5.00	8.00	0.00
Arrizon, Richard	26.50	23.45	2.22	0.93	2.27	25.29	2.42	5.00	13.00	0.00
Broff, Andy	25.90	23.65	2.05	1.06	2.42	25.78	2.50	3.00	15.00	0.00
Castillo, George	26.00	23.89	2.24	1.12	4.21	24.84	2.47	5.00	20.00	0.00
DeCapite, Vanessa	26.25	23.93	2.79	0.90	2.56	25.11	2.58	5.00	6.00	0.00
Dominguez, Lucio	26.00	23.93	2.68	1.22	2.11	25.90	2.34	9.00	7.00	0.00
Garcia, Orlando	26.25	23.92	2.72	1.87	1.01	24.92	2.70	14.00	24.00	0.00
Hayden, Matthew	25.75	23.60	2.37	0.92	4.23	25.64	2.57	9.00	6.00	0.00
Hodgson, Joshua	27.00	23.50	1.88	0.70	0.61	24.80	1.94	13.00	18.00	0.00
JUNJUN, ZHU	26.00	24.40	2.31	1.08	2.05	26.06	2.35	5.00	4.00	0.00
Kobrinetz, Joaquin J.	26.25	25.28	2.21	0.99	3.03	24.62	2.27	8.00	23.00	0.00
Liang, Chen	26.00	24.22	2.25	0.96	1.51	26.10	2.64	5.00	1.00	0.00
Lonsway, Chris	25.75	22.74	2.40	1.37	2.33	24.87	2.40	7.00	11.00	0.00
Lopez, Frank	25.50	24.85	2.39	1.18	3.13	24.86	2.40	12.00	14.00	0.00
Pitta, Jimmy	25.75	22.90	2.21	0.92	1.16	24.66	2.63	7.00	16.00	0.00
Rappmund, Scott	26.50	23.24	3.08	1.43	1.51	25.92	2.38	5.00	4.00	0.00
Rodriguez, Jesus (Jesse)	25.75	24.19	3.90	1.13	2.09	25.82	2.47	6.00	4.00	0.00
Sanchez, Arthur	26.20	27.41	2.24	0.72	1.88	25.78	2.11	6.00	14.00	0.00
Stremlow, Mike	26.25	23.55	2.29	0.98	1.82	24.21	2.31	7.00	19.00	0.00
Ueta, Yuki	26.50	24.07	2.27	1.07	1.21	24.81	2.36	7.00	8.00	0.00
Veiga, Victor	26.00	23.71	2.77	1.20	2.12	23.93	3.37	8.00	23.00	0.00
MAXIMUM	27.00	27.41	3.90	1.37	4.23	25.82	2.58	12.00	23.00	0.00
MINIMUM	25.50	22.74	1.84	0.72	1.11	24.62	1.85	5.00	4.00	0.00
RANGE(MAX-MIN)	1.500	4.670	2.060	0.650	3.120	1.200	0.730	7.000	19.000	0.000
MEAN	26.050	24.419	2.487	1.043	2.730	25.178	2.347	7.000	11.778	0.000
STANDARD DEVIATION	0.444	1.333	0.585	0.188	1.039	0.451	0.237	2.345	6.572	0.100
N SIZE	21.000									

Part ID= A1 - KEYSTONE

A1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	2.14	-0.40	-1.11	0.09	-1.56	-0.26	-2.10	-0.85	-0.57	0.00
Arrizon, Richard	1.01	-0.73	-0.46	-0.60	-0.44	0.25	0.31	-0.85	0.19	0.00
Broff, Andy	-0.34	-0.58	-0.75	0.09	-0.30	1.33	0.65	-1.71	0.49	0.00
Castillo, George	-0.11	-0.40	-0.42	0.41	1.42	-0.75	0.52	-0.85	1.25	0.00
DeCapite, Vanessa	0.45	-0.37	0.52	-0.76	-0.16	-0.15	0.98	-0.85	-0.88	0.00
Dominguez, Lucio	-0.11	-0.37	0.33	0.94	-0.60	1.60	-0.03	0.85	-0.73	0.00
Garcia, Orlando	0.45	-0.37	0.40	4.40	-1.66	-0.57	1.49	2.98	1.86	0.00
Hayden, Matthew	-0.68	-0.61	-0.20	-0.66	1.44	1.02	0.94	0.85	-0.88	0.00
Hodgson, Joshua	2.14	-0.69	-1.04	-1.83	-2.04	-0.84	-1.72	2.56	0.95	0.00
JUNJUN, ZHU	-0.11	-0.01	-0.30	0.20	-0.65	1.96	0.01	-0.85	-1.18	0.00
Kobrinetz, Joaquin J.	0.45	0.65	-0.47	-0.28	0.29	-1.24	-0.32	0.43	1.71	0.00
Liang, Chen	-0.11	-0.15	-0.40	-0.44	-1.17	2.04	1.24	-0.85	-1.64	0.00
Lonsway, Chris	-0.68	-1.26	-0.15	1.74	-0.39	-0.68	0.23	0.00	-0.12	0.00
Lopez, Frank	-1.24	0.32	-0.17	0.73	0.39	-0.70	0.23	2.13	0.34	0.00
Pitta, Jimmy	-0.68	-1.14	-0.47	-0.66	-1.51	-1.15	1.20	0.00	0.64	0.00
Rappmund, Scott	1.01	-0.88	1.01	2.06	-1.17	1.65	0.14	-0.85	-1.18	0.00
Rodriguez, Jesus (Jesse)	-0.68	-0.17	2.42	0.46	-0.62	1.42	0.52	-0.43	-1.18	0.00
Sanchez, Arthur	0.34	2.24	-0.42	-1.72	-0.82	1.33	-1.00	-0.43	0.34	0.00
Stremlow, Mike	0.45	-0.65	-0.34	-0.34	-0.88	-2.15	-0.15	0.00	1.10	0.00
Ueta, Yuki	1.01	-0.26	-0.37	0.14	-1.46	-0.82	0.06	0.00	-0.57	0.00
Veiga, Victor	-0.11	-0.53	0.48	0.83	-0.59	-2.77	4.32	0.43	1.71	0.00
MAXIMUM	2.14	2.24	2.42	1.74	-1.56	1.42	-2.10	2.13	1.71	0.00
MINIMUM	-0.11	-0.17	-0.15	0.09	-0.16	-0.15	0.23	0.00	-0.12	0.00
RANGE(MAX-MIN)	2.250	2.415	2.565	1.651	-1.396	1.574	-2.322	2.132	1.826	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	21.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	28.50	25.00	0.98	0.50	1.79	24.67	5.74	6.00	7.00	0.00
Arrizon, Richard	31.75	24.83	0.97	0.34	2.51	26.18	5.95	7.00	10.00	0.00
Broff, Andy	28.44	24.52	1.30	0.45	1.52	25.12	5.85	11.00	15.00	0.00
Castillo, George	28.00	29.50	1.52	1.44	4.58	25.00	6.19	12.00	11.00	0.00
DeCapite, Vanessa	25.75	25.00	1.28	0.17	2.94	25.51	6.56	5.00	7.00	0.00
Dominguez, Lucio	26.00	25.00	1.16	0.67	2.02	25.90	6.01	9.00	7.00	0.00
Garcia, Orlando	27.00	25.00	1.24	0.94	1.19	27.32	4.62	16.00	16.00	0.00
Hayden, Matthew	28.25	25.00	0.95	0.37	7.27	23.36	6.17	11.00	10.00	0.00
Hodgson, Joshua	27.50	24.79	0.90	0.45	2.04	24.65	5.69	17.00	18.00	0.00
JUNJUN, ZHU	28.50	26.50	1.14	0.60	2.82	26.46	6.57	17.00	8.00	0.00
Kobrinetz, Joaquin J.	27.75	24.64	0.93	0.42	3.66	25.49	6.46	12.00	18.00	0.00
Liang, Chen	28.00	26.50	1.05	0.33	2.82	26.46	6.63	15.00	25.00	0.00
Lonsway, Chris	27.25	25.00	1.00	0.34	2.68	24.22	5.70	14.00	12.00	0.00
Lopez, Frank	26.25	25.00	1.29	0.58	3.91	25.97	5.96	14.00	15.00	0.00
Pitta, Jimmy	27.25	25.00	0.93	0.32	2.59	24.08	5.95	10.00	15.00	0.00
Rappmund, Scott	28.00	28.75	1.80	0.18	3.10	27.78	5.74	9.00	10.00	0.00
Rodriguez, Jesus (Jesse)	34.25	25.00	1.55	0.60	3.37	26.18	6.02	4.00	7.00	0.00
Sanchez, Arthur	28.45	28.00	1.52	0.46	2.23	26.14	5.35	8.00	9.00	0.00
Stremlow, Mike	26.50	27.25	1.34	0.37	1.76	23.83	6.19	23.00	40.00	0.00
Ueta, Yuki	28.75	28.75	1.14	0.13	1.32	25.62	5.86	10.00	16.00	0.00
MAXIMUM	34.25	29.50	1.55	1.44	7.27	26.18	6.56	14.00	18.00	0.00
MINIMUM	25.75	24.64	0.93	0.17	1.79	23.36	5.35	4.00	7.00	0.00
RANGE(MAX-MIN)	8.500	4.860	0.620	1.270	5.480	2.820	1.210	10.000	11.000	0.000
MEAN	28.272	25.793	1.224	0.542	3.603	25.171	6.017	9.556	10.667	0.000
STANDARD DEVIATION	2.441	1.722	0.265	0.361	1.621	0.954	0.382	3.877	3.841	0.100
N SIZE	20.000									

Part ID= A2 - KEYSTONE

A2 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.09	-0.46	-0.92	-0.12	-1.12	-0.53	-0.72	-0.92	-0.95	0.00
Arrizon, Richard	1.42	-0.56	-0.96	-0.56	-0.67	1.06	-0.17	-0.66	-0.17	0.00
Broff, Andy	0.07	-0.74	0.29	-0.26	-1.29	-0.05	-0.44	0.37	1.13	0.00
Castillo, George	-0.11	2.15	1.12	2.49	0.60	-0.18	0.45	0.63	0.09	0.00
DeCapite, Vanessa	-1.03	-0.46	0.21	-1.03	-0.41	0.36	1.42	-1.18	-0.95	0.00
Dominguez, Lucio	-0.93	-0.46	-0.24	0.35	-0.98	0.76	-0.02	-0.14	-0.95	0.00
Garcia, Orlando	-0.52	-0.46	0.06	1.10	-1.49	2.25	-3.65	1.66	1.39	0.00
Hayden, Matthew	-0.01	-0.46	-1.04	-0.48	2.26	-1.90	0.40	0.37	-0.17	0.00
Hodgson, Joshua	-0.32	-0.58	-1.23	-0.26	-0.96	-0.55	-0.85	1.92	1.91	0.00
JUNJUN, ZHU	0.09	0.41	-0.32	0.16	-0.48	1.35	1.45	1.92	-0.69	0.00
Kobrinetz, Joaquin J.	-0.21	-0.67	-1.11	-0.34	0.04	0.33	1.16	0.63	1.91	0.00
Liang, Chen	-0.11	0.41	-0.66	-0.59	-0.48	1.35	1.60	1.40	3.73	0.00
Lonsway, Chris	-0.42	-0.46	-0.85	-0.56	-0.57	-1.00	-0.83	1.15	0.35	0.00
Lopez, Frank	-0.83	-0.46	0.25	0.10	0.19	0.84	-0.15	1.15	1.13	0.00
Pitta, Jimmy	-0.42	-0.46	-1.11	-0.62	-0.63	-1.14	-0.17	0.11	1.13	0.00
Rappmund, Scott	-0.11	1.72	2.18	-1.00	-0.31	2.74	-0.72	-0.14	-0.17	0.00
Rodriguez, Jesus (Jesse)	2.45	-0.46	1.23	0.16	-0.14	1.06	0.01	-1.43	-0.95	0.00
Sanchez, Arthur	0.07	1.28	1.12	-0.23	-0.85	1.02	-1.74	-0.40	-0.43	0.00
Stremlow, Mike	-0.73	0.85	0.44	-0.48	-1.14	-1.41	0.45	3.47	7.64	0.00
Ueta, Yuki	0.20	1.72	-0.32	-1.14	-1.41	0.47	-0.41	0.11	1.39	0.00
MAXIMUM	2.45	2.15	1.23	2.49	2.26	-1.90	-1.74	-1.43	1.91	0.00
MINIMUM	-0.01	-0.46	0.21	0.10	0.04	-0.18	0.01	0.37	0.09	0.00
RANGE(MAX-MIN)	2.458	2.614	1.020	2.381	2.227	-1.720	-1.752	-1.806	1.823	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	20.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	28.00	24.28	2.94	1.78	2.47	25.41	3.25	5.00	34.00	0.00
Arrizon, Richard	26.75	47.56	3.20	1.63	2.70	26.62	3.18	8.00	69.00	0.00
Broff, Andy	27.10	38.63	3.20	1.47	3.90	26.50	3.42	15.00	40.00	0.00
Castillo, George	26.90	47.04	3.12	1.56	5.84	25.03	3.17	13.00	48.00	0.00
DeCapite, Vanessa	29.00	39.12	3.91	1.70	3.21	29.69	3.97	18.00	39.00	0.00
Garcia, Orlando	26.25	25.06	3.54	1.67	1.86	28.54	3.36	16.00	18.00	0.00
Hayden, Matthew	27.00	40.81	3.01	1.57	6.95	27.68	3.12	14.00	68.00	0.00
JUNJUN, ZHU	48.25	49.08	3.20	1.51	1.39	26.29	2.89	17.00	53.00	0.00
Kobrinetz, Joaquin J.	27.50	40.81	3.03	1.36	3.98	26.28	3.64	13.00	46.00	0.00
Liang, Chen	28.25	35.65	3.29	1.12	2.20	28.38	3.32	15.00	46.00	0.00
Lonsway, Chris	26.25	42.09	3.40	1.41	3.14	24.93	3.24	12.00	48.00	0.00
Lopez, Frank	26.75	39.09	2.98	1.40	4.55	25.38	3.04	18.00	40.00	0.00
Pitta, Jimmy	27.60	31.81	3.55	1.40	2.94	24.37	3.32	10.00	57.00	0.00
Rappmund, Scott	27.25	43.62	2.46	1.75	4.11	26.50	3.46	7.00	33.00	0.00
Rodriguez, Jesus (Jesse)	27.25	25.04	3.94	1.42	3.35	25.68	3.24	5.00	9.00	0.00
Sanchez, Arthur	29.00	39.03	2.87	1.60	3.89	27.09	2.71	11.00	46.00	0.00
Stremlow, Mike	28.00	42.12	2.67	1.23	1.69	29.19	2.75	12.00	42.00	0.00
Ueta, Yuki	27.00	25.58	3.27	1.44	1.32	26.57	3.55	18.00	11.00	0.00
MAXIMUM	29.00	47.04	3.94	1.78	6.95	29.69	3.97	18.00	68.00	0.00
MINIMUM	26.25	24.28	2.87	1.36	2.47	24.93	2.71	5.00	9.00	0.00
RANGE(MAX-MIN)	2.750	22.760	1.070	0.420	4.480	4.760	1.260	13.000	59.000	0.000
MEAN	27.517	37.479	3.244	1.533	4.153	26.352	3.264	12.111	42.000	0.000
STANDARD DEVIATION	0.971	7.677	0.414	0.146	1.428	1.562	0.358	4.702	15.596	0.100
N SIZE	18.000									

Part ID= A3 - KEYSTONE

A3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.50	-1.72	-0.74	1.69	-1.18	-0.60	-0.04	-1.51	-0.51	0.00
Arrizon, Richard	-0.79	1.31	-0.11	0.66	-1.02	0.17	-0.24	-0.87	1.73	0.00
Broff, Andy	-0.43	0.15	-0.11	-0.43	-0.18	0.09	0.43	0.61	-0.13	0.00
Castillo, George	-0.64	1.25	-0.30	0.18	1.18	-0.85	-0.26	0.19	0.38	0.00
DeCapite, Vanessa	1.53	0.21	1.61	1.14	-0.66	2.14	1.97	1.25	-0.19	0.00
Garcia, Orlando	-1.30	-1.62	0.71	0.93	-1.61	1.40	0.27	0.83	-1.54	0.00
Hayden, Matthew	-0.53	0.43	-0.57	0.25	1.96	0.85	-0.40	0.40	1.67	0.00
JUNJUN, ZHU	21.35	1.51	-0.11	-0.16	-1.93	-0.04	-1.04	1.04	0.71	0.00
Kobrinetz, Joaquin J.	-0.02	0.43	-0.52	-1.19	-0.12	-0.05	1.05	0.19	0.26	0.00
Liang, Chen	0.76	-0.24	0.11	-2.83	-1.37	1.30	0.16	0.61	0.26	0.00
Lonsway, Chris	-1.30	0.60	0.38	-0.84	-0.71	-0.91	-0.07	-0.02	0.38	0.00
Lopez, Frank	-0.79	0.21	-0.64	-0.91	0.28	-0.62	-0.63	1.25	-0.13	0.00
Pitta, Jimmy	0.09	-0.74	0.74	-0.91	-0.85	-1.27	0.16	-0.45	0.96	0.00
Rappmund, Scott	-0.27	0.80	-1.90	1.48	-0.03	0.09	0.55	-1.09	-0.58	0.00
Rodriguez, Jesus (Jesse)	-0.27	-1.62	1.68	-0.78	-0.56	-0.43	-0.07	-1.51	-2.12	0.00
Sanchez, Arthur	1.53	0.20	-0.90	0.46	-0.18	0.47	-1.55	-0.24	0.26	0.00
Stremlow, Mike	0.50	0.60	-1.39	-2.07	-1.72	1.82	-1.44	-0.02	0.00	0.00
Ueta, Yuki	-0.53	-1.55	0.06	-0.64	-1.98	0.14	0.80	1.25	-1.99	0.00
MAXIMUM	1.53	-1.72	1.68	1.69	1.96	2.14	1.97	-1.51	-2.12	0.00
MINIMUM	-0.02	0.20	-0.30	0.18	-0.12	-0.05	-0.04	-0.02	-0.13	0.00
RANGE(MAX-MIN)	1.545	-1.921	1.981	1.505	2.080	2.184	2.009	-1.489	-1.988	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	18.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	49.80	4.02	3.24	13.37	22.99	2.14	1.50	30.00	0.00	5.00	8.00	
Arrizon, Richard	49.29	4.29	3.45	12.39	24.55	2.86	1.50	45.00	0.00	3.00	12.00	
Broff, Andy	55.75	5.06	4.50	17.54	24.20	3.46	1.57	27.00	1.00	10.00	10.00	
Castillo, George	52.36	3.79	2.40	11.65	24.53	3.90	1.50	67.00	1.00	5.00	8.00	
DeCapite, Vanessa	43.43	7.61	4.50	17.39	26.93	3.45	1.50	21.00	1.00	8.00	3.00	
Garcia, Orlando	49.19	5.76	5.10	20.37	26.56	2.47	1.50	48.00	1.00	9.00	16.00	
Hayden, Matthew	43.93	6.31	2.94	15.50	22.16	2.57	1.50	48.00	1.00	6.00	7.00	
Hodgson, Joshua	46.56	4.07	2.62	9.03	23.15	2.83	1.50	41.00	0.50	2.00	8.00	
JUNJUN, ZHU	49.00	6.21	3.90	14.04	24.46	6.97	1.50	38.00	1.00	6.00	5.00	
Kobrinetz, Joaquin J.	50.60	4.77	1.61	10.96	22.54	3.95	1.37	50.00	1.00	2.00	10.00	
Liang, Chen	58.05	5.75	3.00	13.88	24.92	3.90	1.50	50.00	1.00	6.00	7.00	
Lonsway, Chris	44.60	5.06	3.76	12.97	24.63	4.56	1.50	52.00	1.00	5.00	8.00	
Lopez, Frank	43.30	5.03	1.50	15.60	26.41	4.73	1.50	29.00	0.00	5.00	14.00	
Pitta, Jimmy	48.32	5.01	4.42	12.59	22.30	3.62	1.50	56.00	1.00	5.00	8.00	
Rodriguez, Jesus (Jesse)	49.62	6.68	4.68	10.63	22.49	3.78	1.50	16.00	1.00	3.00	4.00	
Sanchez, Arthur	53.08	5.35	2.86	10.76	24.40	8.08	1.50	56.00	1.00	4.00	13.00	
Stremlow, Mike	45.26	5.70	1.50	13.12	22.25	4.07	1.50	44.00	2.00	6.00	20.00	
Ueta, Yuki	41.79	5.38	1.50	12.13	22.54	2.40	1.50	18.00	1.00	5.00	8.00	
MAXIMUM	53.08	7.61	4.68	17.39	26.93	8.08	1.50	67.00	1.00	8.00	14.00	
MINIMUM	43.30	3.79	1.50	10.63	22.16	2.14	1.37	16.00	0.00	2.00	3.00	
RANGE(MAX-MIN)	9.780	3.820	3.180	6.760	4.770	5.940	0.130	51.000	1.000	6.000	11.000	
MEAN	47.858	5.402	3.054	13.203	24.120	4.129	1.486	41.000	0.778	4.778	8.333	
STANDARD DEVIATION	4.006	1.250	1.132	2.466	1.729	1.703	0.100	17.471	0.441	1.716	3.640	
N SIZE	18.000											

Part ID= A4 - C13-STYLE

A4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	0.48	-1.11	0.16	0.07	-0.65	-1.17	0.14	-0.63	-1.76	0.13	-0.09	
Arrizon, Richard	0.36	-0.89	0.35	-0.33	0.25	-0.74	0.14	0.23	-1.76	-1.04	1.01	
Broff, Andy	1.97	-0.27	1.28	1.76	0.05	-0.39	0.84	-0.80	0.50	3.04	0.46	
Castillo, George	1.12	-1.29	-0.58	-0.63	0.24	-0.13	0.14	1.49	0.50	0.13	-0.09	
DeCapite, Vanessa	-1.11	1.77	1.28	1.70	1.63	-0.40	0.14	-1.14	0.50	1.88	-1.47	
Garcia, Orlando	0.33	0.29	1.81	2.91	1.41	-0.97	0.14	0.40	0.50	2.46	2.11	
Hayden, Matthew	-0.98	0.73	-0.10	0.93	-1.13	-0.92	0.14	0.40	0.50	0.71	-0.37	
Hodgson, Joshua	-0.32	-1.07	-0.38	-1.69	-0.56	-0.76	0.14	0.00	-0.63	-1.62	-0.09	
JUNJUN, ZHU	0.29	0.65	0.75	0.34	0.20	1.67	0.14	-0.17	0.50	0.71	-0.92	
Kobrinetz, Joaquin J.	0.68	-0.51	-1.28	-0.91	-0.91	-0.11	-1.16	0.52	0.50	-1.62	0.46	
Liang, Chen	2.54	0.28	-0.05	0.27	0.46	-0.13	0.14	0.52	0.50	0.71	-0.37	
Lonsway, Chris	-0.81	-0.27	0.62	-0.09	0.29	0.25	0.14	0.63	0.50	0.13	-0.09	
Lopez, Frank	-1.14	-0.30	-1.37	0.97	1.32	0.35	0.14	-0.69	-1.76	0.13	1.56	
Pitta, Jimmy	0.12	-0.31	1.21	-0.25	-1.05	-0.30	0.14	0.86	0.50	0.13	-0.09	
Rodriguez, Jesus (Jesse)	0.44	1.02	1.44	-1.04	-0.94	-0.20	0.14	-1.43	0.50	-1.04	-1.19	
Sanchez, Arthur	1.30	-0.04	-0.17	-0.99	0.16	2.32	0.14	0.86	0.50	-0.45	1.28	
Stremlow, Mike	-0.65	0.24	-1.37	-0.03	-1.08	-0.03	0.14	0.17	2.77	0.71	3.24	
Ueta, Yuki	-1.51	-0.02	-1.37	-0.44	-0.91	-1.02	0.14	-1.32	0.50	0.13	-0.09	
MAXIMUM	1.30	1.77	1.44	1.70	1.63	2.32	-1.16	1.49	-1.76	1.88	1.56	
MINIMUM	0.44	-0.04	-0.10	0.07	0.16	-0.11	0.14	0.40	0.50	0.13	-0.09	
RANGE(MAX-MIN)	0.864	1.808	1.538	1.630	1.463	2.425	-1.300	1.087	-2.268	1.748	1.648	
MEAN	0.000	0.000	0.000	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	0.433	1.000	1.000	1.000	1.000	
N SIZE	18.000											

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	44.02	12.53	1.50	10.76	27.40	2.56	1.50	31.00	1.00	4.00	9.00
Broff, Andy	44.75	10.60	2.33	9.14	28.25	2.26	1.50	47.00	1.00	4.00	24.00
Castillo, George	60.25	8.94	2.40	6.70	27.93	1.95	1.50	66.00	2.00	2.00	27.00
DeCapite, Vanessa	42.03	13.31	3.16	9.73	27.70	4.23	1.50	37.00	2.00	2.00	27.00
Garcia, Orlando	50.14	7.93	4.66	8.05	26.52	4.50	1.50	65.00	1.00	2.00	26.00
Hayden, Matthew	43.00	13.56	3.06	9.71	27.29	2.86	1.50	54.00	27.00	2.00	31.00
JUNJUN, ZHU	54.50	9.86	3.70	10.22	27.87	4.32	1.65	47.00	1.00	4.00	22.00
Kobrinetz, Joaquin J.	50.27	11.25	1.46	10.53	28.71	3.00	1.27	55.00	1.00	1.00	24.00
Liang, Chen	40.78	6.39	1.50	8.13	28.33	3.88	1.50	43.00	1.00	3.00	25.00
Lonsway, Chris	51.25	9.00	2.43	8.66	30.56	4.24	1.27	47.00	1.00	2.00	15.00
Lopez, Frank	47.00	12.05	1.50	11.65	27.88	2.88	1.50	42.00	2.00	4.00	24.00
Pitta, Jimmy	47.75	11.07	4.02	8.09	28.08	3.22	1.35	42.00	1.00	2.00	25.00
Rappmund, Scott	59.64	11.18	2.63	11.66	30.03	3.23	1.50	61.00	2.00	5.00	13.00
Rodriguez, Jesus (Jesse)	53.00	13.52	4.32	7.53	29.21	3.76	1.50	28.00	1.00	2.00	9.00
Sanchez, Arthur	57.76	12.61	1.96	9.59	28.96	2.83	1.50	47.00	1.00	3.00	27.00
Stremlow, Mike	53.50	10.09	1.50	7.30	28.79	2.10	1.50	58.00	1.00	2.00	21.00
Ueta, Yuki	48.00	13.66	1.78	9.68	28.38	2.80	1.50	47.00	1.00	2.00	27.00
MAXIMUM	60.25	13.56	4.32	11.65	30.56	4.24	1.50	66.00	2.00	4.00	31.00
MINIMUM	42.03	8.94	1.46	6.70	27.29	1.95	1.27	28.00	1.00	1.00	9.00
RANGE(MAX-MIN)	18.220	4.620	2.860	4.950	3.270	2.290	0.230	38.000	1.000	3.000	22.000
MEAN	49.842	11.863	2.421	9.429	28.404	3.146	1.449	45.222	1.375	2.444	21.444
STANDARD DEVIATION	6.451	1.798	0.961	1.572	1.057	0.774	0.101	12.184	0.518	1.014	8.278
N SIZE	17.000										

Part ID= A5 - C13-STYLE

A5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	-0.90	0.37	-0.96	0.85	-0.95	-0.76	0.50	-1.17	-0.72	1.53	-1.50
Broff, Andy	-0.79	-0.70	-0.09	-0.18	-0.15	-1.14	0.50	0.15	-0.72	1.53	0.31
Castillo, George	1.61	-1.63	-0.02	-1.74	-0.45	-1.54	0.50	1.71	1.21	-0.44	0.67
DeCapite, Vanessa	-1.21	0.80	0.77	0.19	-0.67	1.40	0.50	-0.67	1.21	-0.44	0.67
Garcia, Orlando	0.05	-2.19	2.33	-0.88	-1.78	1.75	0.50	1.62	-0.72	-0.44	0.55
Hayden, Matthew	-1.06	0.94	0.66	0.18	-1.05	-0.37	0.50	0.72	49.54	-0.44	1.15
JUNJUN, ZHU	0.72	-1.11	1.33	0.50	-0.51	1.52	1.98	0.15	-0.72	1.53	0.07
Kobrinetz, Joaquin J.	0.07	-0.34	-1.00	0.70	0.29	-0.19	-1.76	0.80	-0.72	-1.42	0.31
Liang, Chen	-1.40	-3.04	-0.96	-0.83	-0.07	0.95	0.50	-0.18	-0.72	0.55	0.43
Lonsway, Chris	0.22	-1.59	0.01	-0.49	2.04	1.41	-1.76	0.15	-0.72	-0.44	-0.78
Lopez, Frank	-0.44	0.10	-0.96	1.41	-0.50	-0.34	0.50	-0.26	1.21	1.53	0.31
Pitta, Jimmy	-0.32	-0.44	1.66	-0.85	-0.31	0.10	-0.98	-0.26	-0.72	-0.44	0.43
Rappmund, Scott	1.52	-0.38	0.22	1.42	1.54	0.11	0.50	1.30	1.21	2.52	-1.02
Rodriguez, Jesus (Jesse)	0.49	0.92	1.98	-1.21	0.76	0.79	0.50	-1.41	-0.72	-0.44	-1.50
Sanchez, Arthur	1.23	0.42	-0.48	0.10	0.53	-0.41	0.50	0.15	-0.72	0.55	0.67
Stremlow, Mike	0.57	-0.99	-0.96	-1.35	0.36	-1.35	0.50	1.05	-0.72	-0.44	-0.05
Ueta, Yuki	-0.29	1.00	-0.67	0.16	-0.02	-0.45	0.50	0.15	-0.72	-0.44	0.67
MAXIMUM	1.61	-1.63	1.98	-1.74	2.04	-1.54	-1.76	1.71	1.21	1.53	-1.50
MINIMUM	0.07	0.10	0.01	0.10	0.29	-0.19	0.50	0.15	-0.72	-0.44	0.31
RANGE(MAX-MIN)	1.547	-1.729	1.966	-1.839	1.750	-1.356	-2.268	1.560	1.932	1.973	-1.812
MEAN	0.000	0.000	0.000	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	1.000	1.000	1.000
N SIZE	17.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	37.00	4.59	3.54	11.08	15.46	4.61	1.50	33.00	0.00	2.00	12.00
Arrizon, Richard	50.00	6.29	5.02	11.77	17.29	3.91	1.50	49.00	0.00	3.00	12.00
Broff, Andy	44.00	5.03	3.00	12.37	16.88	2.86	1.50	44.00	1.00	3.00	13.00
Castillo, George	57.25	5.96	3.00	11.61	16.90	2.86	1.50	60.00	1.00	5.00	21.00
DeCapite, Vanessa	37.25	6.39	4.50	13.10	18.26	4.21	4.50	44.00	1.00	3.00	17.00
Garcia, Orlando	48.27	5.83	4.65	15.24	17.16	3.88	2.33	52.00	1.00	8.00	18.00
Hayden, Matthew	33.50	5.33	4.78	12.87	16.27	4.41	4.23	32.00	0.00	2.00	13.00
JUNJUN, ZHU	49.50	5.32	4.62	12.71	20.67	4.44	3.90	45.00	1.00	3.00	13.00
Kobrinetz, Joaquin J.	44.00	4.43	2.59	12.90	17.48	3.27	1.51	46.00	1.00	2.00	16.00
Liang, Chen	52.03	4.04	2.40	13.09	20.02	2.53	1.50	42.00	1.00	4.00	15.00
Lonsway, Chris	39.25	5.28	4.56	12.01	17.64	4.21	4.20	54.00	1.00	4.00	13.00
Lopez, Frank	44.50	4.27	4.05	12.75	17.78	3.77	1.50	40.00	0.00	2.00	10.00
Pitta, Jimmy	51.00	4.46	4.92	10.11	16.86	3.85	2.91	44.00	1.00	1.00	10.00
Rappmund, Scott	49.75	6.78	2.56	11.06	16.21	2.83	1.50	32.00	1.00	5.00	15.00
Rodriguez, Jesus (Jesse)	44.25	4.27	4.05	12.78	17.55	3.77	1.50	36.00	0.00	2.00	9.00
Sanchez, Arthur	51.28	4.18	3.01	9.41	15.35	2.74	1.80	52.00	1.00	1.00	13.00
Stremlow, Mike	41.00	4.57	4.50	12.35	16.40	4.55	1.50	60.00	1.00	4.00	10.00
Ueta, Yuki	36.25	4.42	3.60	11.78	17.49	3.61	1.50	44.00	1.00	3.00	10.00
Veiga, Victor	47.25	5.25	2.58	12.01	15.80	3.09	1.50	51.00	0.00	4.00	18.00
MAXIMUM	57.25	6.39	4.78	13.10	18.26	4.61	4.50	60.00	1.00	5.00	21.00
MINIMUM	33.50	4.18	2.59	9.41	15.35	2.74	1.50	32.00	0.00	1.00	9.00
RANGE(MAX-MIN)	23.750	2.210	2.190	3.690	2.910	1.870	3.000	28.000	1.000	4.000	12.000
MEAN	43.142	4.967	3.787	12.057	16.966	3.761	2.471	44.111	0.556	2.556	13.778
STANDARD DEVIATION	7.497	0.811	0.786	1.205	1.047	0.675	1.385	9.804	0.527	1.236	3.701
N SIZE	19.000										

Part ID= A6 - C13-STYLE

A6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	-0.82	-0.46	-0.31	-0.81	-1.44	1.26	-0.70	-1.13	-1.05	-0.45	-0.48
Arrizon, Richard	0.91	1.63	1.57	-0.24	0.31	0.22	-0.70	0.50	-1.05	0.36	-0.48
Broff, Andy	0.11	0.08	-1.00	0.26	-0.08	-1.34	-0.70	-0.01	0.84	0.36	-0.21
Castillo, George	1.88	1.22	-1.00	-0.37	-0.06	-1.34	-0.70	1.62	0.84	1.98	1.95
DeCapite, Vanessa	-0.79	1.76	0.91	0.87	1.24	0.67	1.46	-0.01	0.84	0.36	0.87
Garcia, Orlando	0.68	1.06	1.10	2.64	0.19	0.18	-0.10	0.80	0.84	4.40	1.14
Hayden, Matthew	-1.29	0.45	1.26	0.67	-0.66	0.96	1.27	-1.24	-1.05	-0.45	-0.21
JUNJUN, ZHU	0.85	0.44	1.06	0.54	3.54	1.01	1.03	0.09	0.84	0.36	-0.21
Kobrinetz, Joaquin J.	0.11	-0.66	-1.52	0.70	0.49	-0.73	-0.69	0.19	0.84	-0.45	0.60
Liang, Chen	1.19	-1.14	-1.76	0.86	2.92	-1.82	-0.70	-0.22	0.84	1.17	0.33
Lonsway, Chris	-0.52	0.39	0.98	-0.04	0.64	0.67	1.25	1.01	0.84	1.17	-0.21
Lopez, Frank	0.18	-0.86	0.33	0.58	0.78	0.01	-0.70	-0.42	-1.05	-0.45	-1.02
Pitta, Jimmy	1.05	-0.62	1.44	-1.61	-0.10	0.13	0.32	-0.01	0.84	-1.26	-1.02
Rappmund, Scott	0.88	2.24	-1.56	-0.83	-0.72	-1.38	-0.70	-1.24	0.84	1.98	0.33
Rodriguez, Jesus (Jesse)	0.15	-0.86	0.33	0.60	0.56	0.01	-0.70	-0.83	-1.05	-0.45	-1.29
Sanchez, Arthur	1.09	-0.97	-0.99	-2.20	-1.54	-1.51	-0.48	0.80	0.84	-1.26	-0.21
Stremlow, Mike	-0.29	-0.49	0.91	0.24	-0.54	1.17	-0.70	1.62	0.84	1.17	-1.02
Ueta, Yuki	-0.92	-0.67	-0.24	-0.23	0.50	-0.22	-0.70	-0.01	0.84	0.36	-1.02
Veiga, Victor	0.55	0.35	-1.53	-0.04	-1.11	-0.99	-0.70	0.70	-1.05	1.17	1.14
MAXIMUM	1.88	1.76	-1.52	-2.20	-1.54	-1.51	1.46	1.62	-1.05	1.98	1.95
MINIMUM	0.11	0.39	-0.31	-0.04	-0.06	0.01	-0.48	-0.01	0.84	0.36	-0.21
RANGE(MAX-MIN)	1.767	1.369	-1.208	-2.157	-1.481	-1.527	1.950	1.632	-1.897	1.618	2.162
MEAN	0.000	0.000	0.000	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	1.000	1.000	1.000
N SIZE	19.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= A7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Arrizon, Richard	26.50	10.17	0.10	10.52	0.10
Bolaney, Jonathan	27.25	11.25	0.10	10.24	0.10
Broff, Andy	28.00	8.65	0.00	6.90	0.00
Cales, Jonathon	26.50	11.06	0.05	9.61	0.10
Castillo, George	25.75	13.34	0.19	8.30	0.20
DeCapite, Vanessa	28.00	10.80	0.05	13.86	0.05
Dominguez, Lucio	27.25	14.44	0.21	10.55	0.10
Garcia, Orlando	25.27	8.50	0.41	10.42	0.16
Hayden, Matthew	28.75	14.87	0.14	13.92	0.20
JUNJUN, ZHU	28.75	14.01	0.15	15.20	0.23
Kobrinetz, Joaquin J.	28.00	12.72	0.17	11.03	0.12
Liang, Chen	31.00	15.10	0.29	12.81	0.26
Lonsway, Chris	28.00	9.92	0.10	10.82	0.10
Rappmund, Scott	28.75	12.76	0.04	13.03	0.03
Sanchez, Arthur	26.26	17.64	0.16	9.83	0.22
Stremlow, Mike	26.20	10.52	0.10	10.63	0.20
Veiga, Victor	28.00	14.04	0.10	10.85	0.10
MAXIMUM	28.75	17.64	0.19	13.92	0.22
MINIMUM	25.75	9.92	0.05	8.30	0.05
RANGE(MAX-MIN)	3.000	7.720	0.140	5.620	0.170
MEAN	27.460	13.215	0.135	11.293	0.148
STANDARD DEVIATION	1.175	2.802	0.100	2.231	0.100
N SIZE	17.000				

Part ID= A7 - DV4 PISTON

A7 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Arrizon, Richard	-0.82	-1.09	-0.35	-0.35	-0.48
Bolaney, Jonathan	-0.18	-0.70	-0.35	-0.47	-0.48
Broff, Andy	0.46	-1.63	-1.35	-1.97	-1.48
Cales, Jonathon	-0.82	-0.77	-0.85	-0.75	-0.48
Castillo, George	-1.46	0.04	0.55	-1.34	0.52
DeCapite, Vanessa	0.46	-0.86	-0.85	1.15	-0.98
Dominguez, Lucio	-0.18	0.44	0.75	-0.33	-0.48
Garcia, Orlando	-1.86	-1.68	2.75	-0.39	0.12
Hayden, Matthew	1.10	0.59	0.05	1.18	0.52
JUNJUN, ZHU	1.10	0.28	0.15	1.75	0.82
Kobrinetz, Joaquin J.	0.46	-0.18	0.35	-0.12	-0.28
Liang, Chen	3.01	0.67	1.55	0.68	1.12
Lonsway, Chris	0.46	-1.18	-0.35	-0.21	-0.48
Rappmund, Scott	1.10	-0.16	-0.95	0.78	-1.18
Sanchez, Arthur	-1.02	1.58	0.25	-0.66	0.72
Stremlow, Mike	-1.07	-0.96	-0.35	-0.30	0.52
Veiga, Victor	0.46	0.29	-0.35	-0.20	-0.48
MAXIMUM	-1.46	1.58	-0.85	-1.34	-0.98
MINIMUM	0.46	0.04	0.05	-0.12	-0.28
RANGE(MAX-MIN)	-1.915	1.534	-0.900	-1.224	-0.700
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	0.517	1.000	0.682
N SIZE	17.000				

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	31.75	38.50	1.82	0.97	5.56	25.33	3.39	8.00	28.00	0.00
Barrera, Tony	30.25	27.03	2.28	0.80	5.68	24.63	2.99	18.00	27.00	0.00
Cales, Jonathon	36.25	28.75	2.43	1.20	6.60	24.65	3.53	19.00	29.00	0.00
Chao, Qian	35.00	27.70	4.45	1.15	5.70	42.65	13.25	25.00	20.00	0.00
Escobar, Wilmar	35.25	28.75	2.51	1.29	5.03	24.20	3.95	9.00	3.00	0.00
Foecking, Brian	31.25	59.50	2.32	1.27	6.55	25.13	3.82	30.00	70.00	0.00
Hills, Barry	30.25	28.00	1.93	1.10	8.13	26.21	4.28	12.00	9.00	0.00
Hodgson, Joshua	31.28	25.52	1.97	0.57	4.44	25.29	3.54	26.00	39.00	0.00
Liang, Chen	34.00	41.50	2.82	0.83	5.27	24.93	4.24	25.00	35.00	0.00
Lonsway, Chris	28.75	34.75	2.58	0.84	5.31	23.88	3.80	14.00	50.00	0.00
Lopez, Frank	30.75	32.50	2.27	1.20	7.21	23.88	3.38	21.00	29.00	0.00
Pan, Yinliang	36.25	68.50	4.06	0.75	6.31	27.86	4.22	27.00	66.00	0.00
Price, Gregory	33.00	38.13	2.18	1.02	4.99	24.41	3.39	28.00	79.00	0.00
Rodriguez, Jesus (Jesse)	38.00	38.50	2.89	1.10	4.57	24.34	3.58	8.00	23.00	0.00
Stremlow, Mike	36.75	53.50	2.58	1.12	5.58	24.68	2.82	38.00	50.00	0.00
Trevino, Robert	32.00	35.29	1.95	0.88	5.64	24.46	3.36	16.00	32.00	0.00
Von Staden, Jon	35.75	34.75	1.81	1.13	5.08	24.66	3.15	25.00	19.00	0.00
MAXIMUM	38.00	59.50	2.89	1.27	8.13	26.21	4.28	30.00	79.00	0.00
MINIMUM	28.75	27.03	1.82	0.80	4.57	23.88	2.99	8.00	9.00	0.00
RANGE(MAX-MIN)	9.250	32.470	1.070	0.470	3.560	2.330	1.290	22.000	70.000	0.000
MEAN	31.778	36.911	2.247	1.020	5.960	24.697	3.554	17.222	38.556	0.000
STANDARD DEVIATION	2.632	9.491	0.337	0.162	1.132	0.749	0.371	7.934	23.049	0.100
N SIZE	17.000									

Part ID= B1 - KEYSTONE

B1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	-0.01	0.17	-1.27	-0.31	-0.35	0.85	-0.44	-1.16	-0.46	0.00
Barrera, Tony	-0.58	-1.04	0.10	-1.36	-0.25	-0.09	-1.52	0.10	-0.50	0.00
Cales, Jonathon	1.70	-0.86	0.54	1.11	0.57	-0.06	-0.07	0.22	-0.41	0.00
Chao, Qian	1.22	-0.97	6.54	0.80	-0.23	23.98	26.16	0.98	-0.81	0.00
Escobar, Wilmar	1.32	-0.86	0.78	1.66	-0.82	-0.66	1.07	-1.04	-1.54	0.00
Foecking, Brian	-0.20	2.38	0.22	1.54	0.52	0.58	0.72	1.61	1.36	0.00
Hills, Barry	-0.58	-0.94	-0.94	0.49	1.92	2.02	1.96	-0.66	-1.28	0.00
Hodgson, Joshua	-0.19	-1.20	-0.82	-2.77	-1.34	0.79	-0.04	1.11	0.02	0.00
Liang, Chen	0.84	0.48	1.70	-1.17	-0.61	0.31	1.85	0.98	-0.15	0.00
Lonsway, Chris	-1.15	-0.23	0.99	-1.11	-0.57	-1.09	0.66	-0.41	0.50	0.00
Lopez, Frank	-0.39	-0.46	0.07	1.11	1.10	-1.09	-0.47	0.48	-0.41	0.00
Pan, Yinliang	1.70	3.33	5.39	-1.66	0.31	4.23	1.80	1.23	1.19	0.00
Price, Gregory	0.46	0.13	-0.20	0.00	-0.86	-0.38	-0.44	1.36	1.75	0.00
Rodriguez, Jesus (Jesse)	2.36	0.17	1.91	0.49	-1.23	-0.48	0.07	-1.16	-0.67	0.00
Stremlow, Mike	1.89	1.75	0.99	0.62	-0.34	-0.02	-1.98	2.62	0.50	0.00
Trevino, Robert	0.08	-0.17	-0.88	-0.86	-0.28	-0.32	-0.52	-0.15	-0.28	0.00
Von Staden, Jon	1.51	-0.23	-1.30	0.68	-0.78	-0.05	-1.09	0.98	-0.85	0.00
MAXIMUM	2.36	2.38	1.91	1.54	1.92	2.02	1.96	1.61	1.75	0.00
MINIMUM	-0.01	0.13	0.07	0.00	-0.25	-0.09	0.07	0.10	-0.28	0.00
RANGE(MAX-MIN)	2.374	2.252	1.842	1.541	2.164	2.111	1.889	1.513	2.039	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	17.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	25.50	54.25	0.63	0.36	1.34	27.93	0.68	4.00	50.00	0.00
Barrera, Tony	25.00	25.00	0.43	0.31	2.97	30.61	0.86	9.00	20.00	0.00
Bolaney, Jonathan	24.40	31.75	0.15	0.30	2.09	30.13	0.76	4.00	70.00	0.00
Cales, Jonathon	25.50	43.75	1.05	0.44	2.12	26.26	1.12	10.00	62.00	0.00
Chao, Qian	25.00	25.00	0.70	0.40	3.30	59.50	1.50	7.00	6.00	0.00
Dominguez, Lucio	25.00	25.00	1.02	0.46	1.87	29.48	0.80	7.00	8.00	0.00
Escobar, Wilmar	24.81	36.25	1.49	0.48	3.11	26.68	1.41	6.00	21.00	0.00
Foecking, Brian	23.40	69.25	1.14	0.52	2.72	30.24	1.08	4.00	73.00	0.00
Hills, Barry	25.00	25.00	0.42	0.48	2.58	34.92	1.66	4.00	4.00	0.00
Hodgson, Joshua	25.50	33.25	0.26	0.21	2.50	26.88	0.59	7.00	48.00	0.00
Liang, Chen	25.00	25.00	0.80	0.32	1.60	26.55	1.24	4.00	4.00	0.00
Lonsway, Chris	25.00	66.25	0.20	0.17	2.46	26.77	0.63	5.00	69.00	0.00
Lopez, Frank	25.00	40.00	1.18	0.42	3.79	26.97	1.44	12.00	45.00	0.00
Pan, Yinliang	24.55	82.00	2.61	0.40	1.00	29.83	2.34	5.00	85.00	0.00
Price, Gregory	25.50	44.50	0.73	0.42	2.22	25.77	0.82	7.00	74.00	0.00
Rappmund, Scott	25.00	25.00	0.82	0.21	3.68	31.96	1.72	4.00	4.00	0.00
Rodriguez, Edward	25.00	32.50	0.98	0.56	3.13	28.61	1.11	5.00	88.00	0.00
Rodriguez, Jesus (Jesse)	25.50	32.50	2.50	0.70	2.01	31.15	1.58	4.00	25.00	0.00
Sanchez, Christopher	25.00	43.00	1.25	0.54	2.22	28.41	1.45	7.00	41.00	0.00
Stremlow, Mike	25.00	52.00	1.40	0.42	1.54	33.95	1.01	5.00	48.00	0.00
Terrado, Ken	25.52	25.00	0.59	0.15	3.16	29.50	0.54	6.00	23.00	0.00
Trevino, Robert	25.00	37.00	1.06	0.39	3.03	28.30	1.10	7.00	22.00	0.00
Veiga, Victor	25.00	25.00	1.38	0.55	2.13	31.27	1.14	10.00	5.00	0.00
Von Staden, Jon	24.35	25.00	0.49	0.22	1.21	27.61	0.45	7.00	7.00	0.00
MAXIMUM	25.50	69.25	2.50	0.70	3.79	34.92	1.66	12.00	74.00	0.00
MINIMUM	23.40	25.00	0.20	0.17	1.34	25.77	0.63	4.00	4.00	0.00
RANGE(MAX-MIN)	2.100	44.250	2.300	0.530	2.450	9.150	1.030	8.000	70.000	0.000
MEAN	24.989	43.750	0.921	0.419	2.569	29.184	1.094	6.222	42.444	0.000
STANDARD DEVIATION	0.643	16.419	0.686	0.146	0.693	2.843	0.386	2.819	25.986	0.100
N SIZE	24.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B2 - KEYSTONE

B2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.79	0.64	-0.42	-0.40	-1.77	-0.44	-1.07	-0.79	0.29	0.00
Barrera, Tony	0.02	-1.14	-0.72	-0.74	0.58	0.50	-0.61	0.99	-0.86	0.00
Bolaney, Jonathan	-0.92	-0.73	-1.12	-0.81	-0.69	0.33	-0.87	-0.79	1.06	0.00
Cales, Jonathon	0.79	0.00	0.19	0.14	-0.65	-1.03	0.07	1.34	0.75	0.00
Chao, Qian	0.02	-1.14	-0.32	-0.13	1.05	10.66	1.05	0.28	-1.40	0.00
Dominguez, Lucio	0.02	-1.14	0.14	0.28	-1.01	0.10	-0.76	0.28	-1.33	0.00
Escobar, Wilmar	-0.28	-0.46	0.83	0.42	0.78	-0.88	0.82	-0.08	-0.83	0.00
Foecking, Brian	-2.47	1.55	0.32	0.69	0.22	0.37	-0.04	-0.79	1.18	0.00
Hills, Barry	0.02	-1.14	-0.73	0.42	0.02	2.02	1.46	-0.79	-1.48	0.00
Hodgson, Joshua	0.79	-0.64	-0.96	-1.43	-0.10	-0.81	-1.31	0.28	0.21	0.00
Liang, Chen	0.02	-1.14	-0.18	-0.68	-1.40	-0.93	0.38	-0.79	-1.48	0.00
Lonsway, Chris	0.02	1.37	-1.05	-1.70	-0.16	-0.85	-1.20	-0.43	1.02	0.00
Lopez, Frank	0.02	-0.23	0.38	0.01	1.76	-0.78	0.89	2.05	0.10	0.00
Pan, Yinliang	-0.68	2.33	2.46	-0.13	-2.26	0.23	3.23	-0.43	1.64	0.00
Price, Gregory	0.79	0.05	-0.28	0.01	-0.50	-1.20	-0.71	0.28	1.21	0.00
Rappmund, Scott	0.02	-1.14	-0.15	-1.43	1.60	0.98	1.62	-0.79	-1.48	0.00
Rodriguez, Edward	0.02	-0.69	0.09	0.96	0.81	-0.20	0.04	-0.43	1.75	0.00
Rodriguez, Jesus (Jesse)	0.79	-0.69	2.30	1.92	-0.81	0.69	1.26	-0.79	-0.67	0.00
Sanchez, Christopher	0.02	-0.05	0.48	0.83	-0.50	-0.27	0.92	0.28	-0.06	0.00
Stremlow, Mike	0.02	0.50	0.70	0.01	-1.48	1.68	-0.22	-0.43	0.21	0.00
Terrado, Ken	0.83	-1.14	-0.48	-1.84	0.85	0.11	-1.44	-0.08	-0.75	0.00
Trevino, Robert	0.02	-0.41	0.20	-0.20	0.67	-0.31	0.01	0.28	-0.79	0.00
Veiga, Victor	0.02	-1.14	0.67	0.90	-0.63	0.73	0.12	1.34	-1.44	0.00
Von Staden, Jon	-0.99	-1.14	-0.63	-1.36	-1.96	-0.55	-1.67	0.28	-1.36	0.00
MAXIMUM	-2.47	1.55	2.30	1.92	-1.77	2.02	1.46	2.05	-1.48	0.00
MINIMUM	0.02	0.05	0.20	0.01	0.02	-0.31	0.01	0.28	0.10	0.00
RANGE(MAX-MIN)	-2.488	1.507	2.100	1.915	-1.789	2.329	1.450	1.774	-1.578	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	24.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	27.31	22.19	0.33	0.23	1.08	17.49	0.44	6.00	4.00	0.00
Barrera, Tony	24.26	21.60	0.31	0.06	2.70	18.27	0.47	10.00	15.00	0.00
Bolaney, Jonathan	25.28	22.55	0.12	0.18	1.80	20.14	0.59	10.00	5.00	0.00
Cales, Jonathon	27.88	21.47	0.22	0.18	2.56	19.03	0.60	17.00	16.00	0.00
Chao, Qian	23.10	22.15	0.30	0.25	14.80	17.65	0.80	8.00	8.00	0.00
Foecking, Brian	27.57	22.17	0.32	0.18	2.24	19.01	0.27	10.00	21.00	0.00
Hills, Barry	25.11	21.78	0.32	0.19	2.52	20.16	1.09	9.00	3.00	0.00
Hodgson, Joshua	28.12	21.33	0.20	0.03	1.15	18.63	0.20	22.00	15.00	0.00
Liang, Chen	27.90	22.08	0.28	0.14	1.04	18.77	1.05	6.00	3.00	0.00
Lonsway, Chris	26.65	21.88	0.12	0.05	2.53	18.39	0.45	11.00	9.00	0.00
Lopez, Frank	24.61	23.42	0.42	0.28	3.74	18.29	0.55	17.00	15.00	0.00
Pan, Yinliang	26.27	23.17	0.13	0.01	1.11	18.24	0.43	17.00	18.00	0.00
Price, Gregory	27.91	22.66	0.48	0.25	2.16	18.30	0.70	17.00	8.00	0.00
Rappmund, Scott	27.02	21.93	0.24	0.10	1.90	20.02	0.90	13.00	4.00	0.00
Rodriguez, Jesus (Jesse)	36.08	22.15	0.60	0.19	1.97	18.08	0.64	4.00	17.00	0.00
Stremlow, Mike	28.42	22.06	0.72	0.17	1.83	18.86	0.82	22.00	16.00	0.00
Terrado, Ken	33.02	22.08	0.22	0.14	3.21	18.66	0.98	18.00	12.00	0.00
Trevino, Robert	25.24	21.82	0.76	0.20	2.22	19.62	0.64	8.00	5.00	0.00
Veiga, Victor	24.86	23.10	0.23	0.17	2.18	20.20	1.06	11.00	5.00	0.00
Von Staden, Jon	27.55	22.15	0.68	0.22	3.34	18.85	0.74	13.00	6.00	0.00
MAXIMUM	36.08	23.42	0.76	0.28	3.74	20.16	1.09	17.00	21.00	0.00
MINIMUM	24.26	21.60	0.12	0.05	1.08	17.49	0.27	4.00	3.00	0.00
RANGE(MAX-MIN)	11.820	1.820	0.640	0.230	2.660	2.670	0.820	13.000	18.000	0.000
MEAN	27.193	22.186	0.407	0.181	2.351	18.623	0.583	10.222	10.778	0.000
STANDARD DEVIATION	3.595	0.557	0.187	0.100	0.702	0.828	0.231	4.410	6.418	0.100
N SIZE	20.000									

Part ID= B3 - KEYSTONE

B3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.03	0.01	-0.41	0.49	-1.81	-1.37	-0.62	-0.96	-1.06	0.00
Barrera, Tony	-0.82	-1.05	-0.52	-1.21	0.50	-0.43	-0.49	-0.05	0.66	0.00
Bolaney, Jonathan	-0.53	0.65	-1.53	-0.01	-0.79	1.83	0.03	-0.05	-0.90	0.00
Cales, Jonathon	0.19	-1.28	-1.00	-0.01	0.30	0.49	0.07	1.54	0.81	0.00
Chao, Qian	-1.14	-0.06	-0.57	0.69	13.47	-1.18	0.94	-0.50	-0.43	0.00
Foecking, Brian	0.10	-0.03	-0.46	-0.01	-0.16	0.47	-1.36	-0.05	1.59	0.00
Hills, Barry	-0.58	-0.73	-0.46	0.09	0.24	1.86	2.19	-0.28	-1.21	0.00
Hodgson, Joshua	0.26	-1.54	-1.10	-1.51	-1.71	0.01	-1.66	2.67	0.66	0.00
Liang, Chen	0.20	-0.19	-0.68	-0.41	-1.87	0.18	2.02	-0.96	-1.21	0.00
Lonsway, Chris	-0.15	-0.55	-1.53	-1.31	0.26	-0.28	-0.58	0.18	-0.28	0.00
Lopez, Frank	-0.72	2.22	0.07	0.99	1.98	-0.40	-0.14	1.54	0.66	0.00
Pan, Yinliang	-0.26	1.77	-1.48	-1.71	-1.77	-0.46	-0.66	1.54	1.13	0.00
Price, Gregory	0.20	0.85	0.39	0.69	-0.27	-0.39	0.50	1.54	-0.43	0.00
Rappmund, Scott	-0.05	-0.46	-0.89	-0.81	-0.64	1.69	1.37	0.63	-1.06	0.00
Rodriguez, Jesus (Jesse)	2.47	-0.06	1.03	0.09	-0.54	-0.66	0.25	-1.41	0.97	0.00
Stremlow, Mike	0.34	-0.23	1.67	-0.11	-0.74	0.29	1.02	2.67	0.81	0.00
Terrado, Ken	1.62	-0.19	-1.00	-0.41	1.22	0.04	1.72	1.76	0.19	0.00
Trevino, Robert	-0.54	-0.66	1.89	0.19	-0.19	1.20	0.25	-0.50	-0.90	0.00
Veiga, Victor	-0.65	1.64	-0.94	-0.11	-0.24	1.91	2.06	0.18	-0.90	0.00
Von Staden, Jon	0.10	-0.06	1.46	0.39	1.41	0.27	0.68	0.63	-0.74	0.00
MAXIMUM	2.47	2.22	1.89	-1.31	1.98	1.86	2.19	1.54	1.59	0.00
MINIMUM	0.03	0.01	0.07	-0.01	-0.16	-0.28	-0.14	-0.05	-0.28	0.00
RANGE(MAX-MIN)	2.440	2.207	1.817	-1.300	2.138	2.139	2.337	1.588	1.870	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	0.785	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	20.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	46.00	13.56	2.82	10.08	17.73	4.93	1.50	45.00	1.00	1.00	13.00
Barrera, Tony	29.00	17.53	4.50	12.88	21.10	7.58	4.50	24.00	9.00	1.00	15.00
Cales, Jonathon	45.00	13.34	3.30	10.31	18.81	6.38	2.86	46.00	2.00	1.00	24.00
Chao, Qian	24.00	22.15	2.70	3.75	16.60	2.70	3.90	7.00	4.00	0.00	20.00
Dominguez, Lucio	46.00	16.82	1.95	9.80	22.48	5.98	1.50	32.00	2.00	1.00	10.00
Foecking, Brian	41.25	15.68	6.06	11.46	19.57	7.74	1.72	62.00	2.00	1.00	16.00
Hills, Barry	42.25	11.65	3.76	12.78	20.25	6.01	4.30	51.00	2.00	1.00	23.00
Liang, Chen	47.50	13.50	4.50	7.12	20.50	7.78	4.50	42.00	2.00	1.00	3.00
Lonsway, Chris	44.25	14.50	3.00	10.07	19.80	4.61	1.50	41.00	2.00	1.00	14.00
Lopez, Frank	38.50	14.53	1.50	13.95	17.38	4.55	1.50	40.00	2.00	1.00	14.00
Pan, Yinliang	64.05	12.11	2.40	8.37	22.51	6.96	1.35	72.00	4.00	0.00	38.00
Price, Gregory	48.25	9.98	2.10	7.01	17.69	5.32	1.50	58.00	2.00	0.00	18.00
Rappmund, Scott	52.33	20.80	1.95	8.01	20.03	5.54	1.50	48.00	2.00	1.00	17.00
Rodriguez, Edward	42.66	12.64	2.94	13.19	19.72	6.38	4.50	50.00	2.00	1.00	15.00
Rodriguez, Jesus (Jesse)	46.25	15.60	3.69	10.05	22.00	6.08	4.50	28.00	4.00	1.00	20.00
Stremlow, Mike	48.75	14.17	1.50	7.77	22.12	5.56	1.50	63.00	2.00	0.00	16.00
Terrado, Ken	46.00	13.66	2.56	8.60	17.38	4.09	1.50	40.00	2.00	1.00	15.00
Trevino, Robert	45.04	10.78	2.46	11.85	19.03	4.35	2.40	48.00	2.00	1.00	14.00
Veiga, Victor	53.50	13.56	1.50	7.45	18.03	4.50	1.50	53.00	3.00	0.00	22.00
Von Staden, Jon	53.50	11.20	3.01	7.53	17.59	4.91	1.50	58.00	3.00	1.00	20.00
MAXIMUM	48.25	17.53	6.06	13.95	22.00	7.74	4.50	62.00	4.00	1.00	23.00
MINIMUM	29.00	9.98	1.50	7.01	17.38	4.35	1.50	24.00	1.00	0.00	13.00
RANGE(MAX-MIN)	19.250	7.550	4.560	6.940	4.620	3.390	3.000	38.000	3.000	1.000	10.000
MEAN	42.310	13.757	3.321	11.126	19.394	5.686	2.602	44.111	2.125	0.889	16.333
STANDARD DEVIATION	5.793	2.502	1.375	2.084	1.600	1.275	1.404	12.584	0.835	0.333	3.354
N SIZE	20.000										

Part ID= B4 - C13-STYLE

B4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	0.64	-0.08	-0.36	-0.50	-1.04	-0.59	-0.79	0.07	-1.35	0.33	-0.99
Barrera, Tony	-2.30	1.51	0.86	0.84	1.07	1.49	1.35	-1.60	8.24	0.33	-0.40
Cales, Jonathon	0.46	-0.17	-0.02	-0.39	-0.37	0.54	0.18	0.15	-0.15	0.33	2.29
Chao, Qian	-3.16	3.35	-0.45	-3.54	-1.75	-2.34	0.92	-2.95	2.25	-2.67	1.09
Dominguez, Lucio	0.64	1.22	-1.00	-0.64	1.93	0.23	-0.79	-0.96	-0.15	0.33	-1.89
Foecking, Brian	-0.18	0.77	1.99	0.16	0.11	1.61	-0.63	1.42	-0.15	0.33	-0.10
Hills, Barry	-0.01	-0.84	0.32	0.79	0.53	0.25	1.21	0.55	-0.15	0.33	1.99
Liang, Chen	0.90	-0.10	0.86	-1.92	0.69	1.64	1.35	-0.17	-0.15	0.33	-3.98
Lonsway, Chris	0.33	0.30	-0.23	-0.51	0.25	-0.84	-0.79	-0.25	-0.15	0.33	-0.70
Lopez, Frank	-0.66	0.31	-1.32	1.36	-1.26	-0.89	-0.79	-0.33	-0.15	0.33	-0.70
Pan, Yinliang	3.75	-0.66	-0.67	-1.32	1.95	1.00	-0.89	2.22	2.25	-2.67	6.46
Price, Gregory	1.03	-1.51	-0.89	-1.98	-1.07	-0.29	-0.79	1.10	-0.15	-2.67	0.50
Rappmund, Scott	1.73	2.81	-1.00	-1.50	0.40	-0.11	-0.79	0.31	-0.15	0.33	0.20
Rodriguez, Edward	0.06	-0.45	-0.28	0.99	0.20	0.54	1.35	0.47	-0.15	0.33	-0.40
Rodriguez, Jesus (Jesse)	0.68	0.74	0.27	-0.52	1.63	0.31	1.35	-1.28	2.25	0.33	1.09
Stremlow, Mike	1.11	0.17	-1.32	-1.61	1.70	-0.10	-0.79	1.50	-0.15	-2.67	-0.10
Terrado, Ken	0.64	-0.04	-0.55	-1.21	-1.26	-1.25	-0.79	-0.33	-0.15	0.33	-0.40
Trevino, Robert	0.47	-1.19	-0.63	0.35	-0.23	-1.05	-0.14	0.31	-0.15	0.33	-0.70
Veiga, Victor	1.93	-0.08	-1.32	-1.76	-0.85	-0.93	-0.79	0.71	1.05	-2.67	1.69
Von Staden, Jon	1.93	-1.02	-0.23	-1.73	-1.13	-0.61	-0.79	1.10	1.05	0.33	1.09
MAXIMUM	-2.30	-1.51	1.99	-1.98	1.63	1.61	1.35	-1.60	2.25	-2.67	1.99
MINIMUM	-0.01	-0.08	-0.23	0.16	0.11	0.25	-0.14	0.07	-0.15	0.33	-0.10
RANGE(MAX-MIN)	-2.287	-1.431	2.226	-2.136	1.518	1.357	1.496	-1.669	2.397	-3.000	2.087
MEAN	0.000	0.000	0.000	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	1.000	1.000	1.000
N SIZE	20.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	39.50	7.26	1.62	11.56	23.25	5.13	1.50	27.00	1.00	0.00	18.00
Barrera, Tony	27.32	11.36	4.65	15.66	26.29	5.70	1.50	20.00	2.00	2.00	29.00
Chao, Qian	35.00	13.15	2.70	8.20	31.75	4.50	3.00	16.00	5.00	0.00	30.00
Dominguez, Lucio	35.28	9.87	4.60	11.09	29.04	5.40	1.50	26.00	2.00	0.00	30.00
Escobar, Wilmar	44.50	9.35	2.04	9.49	26.66	4.28	1.46	45.00	2.00	1.00	24.00
Foecking, Brian	39.79	8.05	2.29	11.30	26.42	5.07	1.56	45.00	1.00	1.00	26.00
Hills, Barry	37.87	8.26	4.26	10.67	29.28	6.42	1.50	35.00	1.00	0.00	33.00
Liang, Chen	46.53	7.95	4.50	7.40	24.35	5.67	1.50	46.00	3.00	0.00	5.00
Lonsway, Chris	37.50	7.73	3.00	9.70	23.20	5.52	1.50	31.00	1.00	0.00	19.00
Lopez, Frank	39.50	8.64	1.50	14.32	25.37	4.50	1.50	42.00	1.00	0.00	25.00
Price, Gregory	45.78	8.20	2.10	8.49	22.25	5.00	1.50	51.00	1.00	1.00	38.00
Rappmund, Scott	37.87	7.09	1.65	9.96	23.34	4.75	1.50	23.00	1.00	0.00	32.00
Rodriguez, Edward	36.75	9.36	4.50	15.67	27.29	6.04	1.50	40.00	1.00	0.00	27.00
Rodriguez, Jesus (Jesse)	49.50	10.23	3.45	10.85	26.33	4.96	1.50	34.00	2.00	1.00	35.00
Stremlow, Mike	50.82	7.54	1.50	9.20	25.85	5.13	1.50	45.00	1.00	0.00	26.00
Terrado, Ken	47.50	8.83	4.50	14.13	22.19	5.28	1.50	34.00	1.00	0.00	24.00
Trevino, Robert	41.84	7.28	2.46	10.79	26.25	4.21	1.50	43.00	1.00	0.00	23.00
MAXIMUM	49.50	11.36	4.65	15.66	29.28	6.42	1.56	51.00	2.00	2.00	38.00
MINIMUM	27.32	7.26	1.50	8.49	22.25	4.21	1.50	20.00	1.00	0.00	18.00
RANGE(MAX-MIN)	22.180	4.100	3.150	7.170	7.030	2.210	0.060	31.000	1.000	2.000	20.000
MEAN	39.844	8.557	2.814	11.482	25.404	5.168	1.507	36.444	1.222	0.556	27.333
STANDARD DEVIATION	6.113	1.375	1.116	2.214	2.175	0.654	0.100	9.723	0.441	0.726	6.982
N SIZE	17.000										

Part ID= B5 - C13-STYLE

B5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	-0.06	-0.94	-1.07	0.04	-0.99	-0.06	-0.07	-0.97	-0.50	-0.76	-1.34
Barrera, Tony	-2.05	2.04	1.64	1.89	0.41	0.81	-0.07	-1.69	1.76	1.99	0.24
Chao, Qian	-0.79	3.34	-0.10	-1.48	2.92	-1.02	14.93	-2.10	8.57	-0.76	0.38
Dominguez, Lucio	-0.75	0.95	1.60	-0.18	1.67	0.36	-0.07	-1.07	1.76	-0.76	0.38
Escobar, Wilmar	0.76	0.58	-0.69	-0.90	0.58	-1.36	-0.47	0.88	1.76	0.61	-0.48
Foecking, Brian	-0.01	-0.37	-0.47	-0.08	0.47	-0.15	0.53	0.88	-0.50	0.61	-0.19
Hills, Barry	-0.32	-0.22	1.30	-0.37	1.78	1.91	-0.07	-0.15	-0.50	-0.76	0.81
Liang, Chen	1.09	-0.44	1.51	-1.84	-0.48	0.77	-0.07	0.98	4.03	-0.76	-3.20
Lonsway, Chris	-0.38	-0.60	0.17	-0.81	-1.01	0.54	-0.07	-0.56	-0.50	-0.76	-1.19
Lopez, Frank	-0.06	0.06	-1.18	1.28	-0.02	-1.02	-0.07	0.57	-0.50	-0.76	-0.33
Price, Gregory	0.97	-0.26	-0.64	-1.35	-1.45	-0.26	-0.07	1.50	-0.50	0.61	1.53
Rappmund, Scott	-0.32	-1.07	-1.04	-0.69	-0.95	-0.64	-0.07	-1.38	-0.50	-0.76	0.67
Rodriguez, Edward	-0.51	0.58	1.51	1.89	0.87	1.33	-0.07	0.37	-0.50	-0.76	-0.05
Rodriguez, Jesus (Jesse)	1.58	1.22	0.57	-0.29	0.43	-0.32	-0.07	-0.25	1.76	0.61	1.10
Stremlow, Mike	1.80	-0.74	-1.18	-1.03	0.20	-0.06	-0.07	0.88	-0.50	-0.76	-0.19
Terrado, Ken	1.25	0.20	1.51	1.20	-1.48	0.17	-0.07	-0.25	-0.50	-0.76	-0.48
Trevino, Robert	0.33	-0.93	-0.32	-0.31	0.39	-1.46	-0.07	0.67	-0.50	-0.76	-0.62
MAXIMUM	-2.05	2.04	1.64	1.89	1.78	1.91	-0.07	-1.69	1.76	1.99	1.53
MINIMUM	-0.01	0.06	0.17	0.04	-0.02	-0.06	-0.07	-0.15	-0.50	0.61	-0.19
RANGE(MAX-MIN)	-2.040	1.978	1.479	1.852	1.797	1.973	0.000	-1.543	2.268	1.377	1.719
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	-0.067	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	0.100	1.000	1.000	1.000	1.000
N SIZE	17.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	61.50	11.13	3.00	8.30	28.30	5.36	1.95	63.00	1.00	0.00	22.00
Barrera, Tony	62.50	15.38	5.56	11.08	34.20	7.48	5.26	77.00	5.00	1.00	29.00
Chao, Qian	40.00	12.80	5.56	8.80	51.25	4.81	4.05	20.00	8.00	0.00	40.00
Dominguez, Lucio	58.75	14.63	4.20	9.87	32.06	8.70	4.50	55.00	3.00	0.00	15.00
Escobar, Wilmar	71.25	12.08	4.70	8.77	38.90	6.01	3.72	59.00	4.00	1.00	25.00
Foeking, Brian	72.75	13.39	4.49	9.01	38.04	8.81	4.59	71.00	1.00	0.00	24.00
Hills, Barry	50.00	13.24	4.05	6.52	34.90	8.20	6.16	51.00	3.00	0.00	32.00
Liang, Chen	48.00	11.91	6.30	7.79	36.37	8.81	4.50	60.00	2.00	0.00	22.00
Lonsway, Chris	70.00	13.03	3.00	10.79	34.35	7.76	4.50	66.00	1.00	1.00	19.00
Lopez, Frank	67.75	12.17	2.10	10.85	27.85	5.96	1.50	64.00	4.00	1.00	29.00
Pan, Yinliang	79.25	12.95	4.12	9.44	44.64	6.54	4.05	88.00	5.00	0.00	42.00
Price, Gregory	63.25	10.73	2.56	6.32	30.69	6.73	3.60	69.00	2.00	0.00	36.00
Rodriguez, Edward	56.75	13.48	3.72	10.64	37.75	6.88	1.50	55.00	4.00	0.00	26.00
Rodriguez, Jesus (Jesse)	52.75	12.43	3.40	6.82	40.09	2.08	4.50	30.00	2.00	1.00	17.00
Stremiow, Mike	72.75	12.69	4.50	7.90	35.06	6.60	2.70	75.00	3.00	0.00	28.00
Terrado, Ken	62.00	11.16	5.10	7.49	32.03	7.46	4.50	41.00	4.00	0.00	26.00
Trevino, Robert	61.50	11.79	2.58	9.10	33.39	5.46	2.22	60.00	2.00	0.00	20.00
Veiga, Victor	53.25	13.62	4.50	6.71	35.05	7.78	4.50	76.00	1.00	0.00	23.00
Von Staden, Jon	79.00	13.60	3.16	6.85	39.31	5.85	3.00	77.00	3.00	1.00	57.00
MAXIMUM	72.75	15.38	5.56	11.08	40.09	8.81	6.16	77.00	5.00	1.00	36.00
MINIMUM	50.00	10.73	2.10	6.32	27.85	2.08	1.50	30.00	1.00	0.00	17.00
RANGE(MAX-MIN)	22.750	4.650	3.460	4.760	12.240	6.730	4.660	47.000	4.000	1.000	19.000
MEAN	62.444	12.588	3.416	8.754	33.534	6.427	3.809	61.222	2.333	0.444	25.333
STANDARD DEVIATION	7.439	1.391	1.099	1.904	4.094	2.031	1.603	13.782	1.414	0.527	6.481
N SIZE	19.000										

Part ID= B6 - C13-STYLE

B6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	-0.13	-1.05	-0.38	-0.24	-1.28	-0.53	-1.16	0.13	-0.94	-0.84	-0.51
Barrera, Tony	0.01	2.01	1.95	1.22	0.16	0.52	0.91	1.14	1.89	1.05	0.57
Chao, Qian	-3.02	0.15	1.95	0.02	4.33	-0.80	0.15	-2.99	4.01	-0.84	2.26
Dominguez, Lucio	-0.50	1.47	0.71	0.59	-0.36	1.12	0.43	-0.45	0.47	-0.84	-1.59
Escobar, Wilmar	1.18	-0.37	1.17	0.01	1.31	-0.21	-0.06	-0.16	1.18	1.05	-0.05
Foeking, Brian	1.39	0.58	0.98	0.13	1.10	1.17	0.49	0.71	-0.94	-0.84	-0.21
Hills, Barry	-1.67	0.47	0.58	-1.17	0.33	0.87	1.47	-0.74	0.47	-0.84	1.03
Liang, Chen	-1.94	-0.49	2.62	-0.51	0.69	1.17	0.43	-0.09	-0.24	-0.84	-0.51
Lonsway, Chris	1.02	0.32	-0.38	1.07	0.20	0.66	0.43	0.35	-0.94	1.05	-0.98
Lopez, Frank	0.71	-0.30	-1.20	1.10	-1.39	-0.23	-1.44	0.20	1.18	1.05	0.57
Pan, Yinliang	2.26	0.26	0.64	0.36	2.71	0.06	0.15	1.94	1.89	-0.84	2.57
Price, Gregory	0.11	-1.34	-0.78	-1.28	-0.69	0.15	-0.13	0.56	-0.24	-0.84	1.65
Rodriguez, Edward	-0.77	0.64	0.28	0.99	1.03	0.22	-1.44	-0.45	1.18	-0.84	0.10
Rodriguez, Jesus (Jesse)	-1.30	-0.11	-0.01	-1.02	1.60	-2.14	0.43	-2.27	-0.24	1.05	-1.29
Stremiow, Mike	1.39	0.07	0.99	-0.45	0.37	0.09	-0.69	1.00	0.47	-0.84	0.41
Terrado, Ken	-0.06	-1.03	1.53	-0.66	-0.37	0.51	0.43	-1.47	1.18	-0.84	0.10
Trevino, Robert	-0.13	-0.57	-0.76	0.18	-0.04	-0.48	-0.99	-0.09	-0.24	-0.84	-0.82
Veiga, Victor	-1.24	0.74	0.99	-1.07	0.37	0.67	0.43	1.07	-0.94	-0.84	-0.36
Von Staden, Jon	2.23	0.73	-0.23	-1.00	1.41	-0.28	-0.50	1.14	0.47	1.05	4.89
MAXIMUM	-1.67	2.01	1.95	-1.28	1.60	-2.14	1.47	-2.27	1.89	1.05	1.65
MINIMUM	0.01	-0.11	-0.01	0.13	-0.04	0.15	-0.13	-0.09	-0.24	-0.84	-0.21
RANGE(MAX-MIN)	-1.680	2.121	1.966	-1.413	1.637	-2.290	1.597	-2.177	2.121	1.897	1.852
MEAN	0.000	0.000	0.000	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	1.000	1.000	1.000
N SIZE	19.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= B7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	29.50	26.43	0.43	29.49	0.10
Bolaney, Jonathan	28.75	22.96	0.30	25.61	0.10
Cales, Jonathon	30.25	22.14	0.32	43.59	0.10
Chao, Qian	23.90	22.50	0.20	38.85	0.20
Escobar, Wilmar	28.75	24.86	0.74	21.72	0.10
Foecking, Brian	26.50	22.10	0.18	40.00	0.16
Hills, Barry	28.75	22.12	0.51	38.77	0.20
Liang, Chen	29.50	22.90	0.73	23.87	0.17
Lonsway, Chris	29.50	21.32	0.50	24.25	0.50
Pan, Yinliang	30.25	33.25	1.26	26.63	0.01
Price, Gregory	28.75	22.80	0.69	21.23	0.40
Rappmund, Scott	28.75	21.16	0.10	30.18	0.10
Rodriguez, Edward	26.50	22.99	0.57	22.19	0.10
Rodriguez, Jesus (Jesse)	28.75	26.55	0.61	21.46	0.31
Stremlow, Mike	30.25	43.84	1.40	59.47	0.20
Terrado, Ken	29.50	21.93	0.15	21.90	0.16
Veiga, Victor	31.75	22.12	0.20	36.46	0.10
MAXIMUM	29.50	26.55	0.69	40.00	0.50
MINIMUM	26.50	21.32	0.18	21.23	0.10
RANGE(MAX-MIN)	3.000	5.230	0.510	18.770	0.400
MEAN	28.625	23.553	0.487	29.200	0.278
STANDARD DEVIATION	1.104	2.323	0.176	8.441	0.153
N SIZE	17.000				

Part ID= B7 - DV4 PISTON

B7 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	0.79	1.24	-0.32	0.03	-1.17
Bolaney, Jonathan	0.11	-0.26	-1.06	-0.43	-1.17
Cales, Jonathon	1.47	-0.61	-0.95	1.70	-1.17
Chao, Qian	-4.28	-0.45	-1.63	1.14	-0.51
Escobar, Wilmar	0.11	0.56	1.44	-0.89	-1.17
Foecking, Brian	-1.92	-0.63	-1.74	1.28	-0.77
Hills, Barry	0.11	-0.62	0.13	1.13	-0.51
Liang, Chen	0.79	-0.28	1.38	-0.63	-0.71
Lonsway, Chris	0.79	-0.96	0.08	-0.59	1.45
Pan, Yinliang	1.47	4.17	4.40	-0.30	-1.76
Price, Gregory	0.11	-0.32	1.16	-0.94	0.80
Rappmund, Scott	0.11	-1.03	-2.20	0.12	-1.17
Rodriguez, Edward	-1.92	-0.24	0.47	-0.83	-1.17
Rodriguez, Jesus (Jesse)	0.11	1.29	0.70	-0.92	0.21
Stremlow, Mike	1.47	8.73	5.20	3.59	-0.51
Terrado, Ken	0.79	-0.70	-1.92	-0.86	-0.77
Veiga, Victor	2.83	-0.62	-1.63	0.86	-1.17
MAXIMUM	-1.92	1.29	-1.74	1.28	1.45
MINIMUM	0.11	-0.32	0.08	0.03	0.21
RANGE(MAX-MIN)	-2.038	1.614	-1.820	1.245	1.243
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000
N SIZE	17.000				

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	25.25	24.53	0.94	0.49	2.93	29.50	2.63	9.00	19.00	0.00
Bolaney, Jonathan	25.18	35.80	1.05	0.64	2.46	28.00	2.71	6.00	30.00	0.00
Broff, Andy	25.20	36.25	0.80	0.40	2.80	27.25	3.15	4.00	30.00	0.00
Castillo, George	23.35	38.02	2.15	1.22	4.43	27.25	3.55	6.00	43.00	0.00
Chao, Qian	22.80	24.37	1.55	0.35	3.30	70.00	3.90	8.00	8.00	0.00
DeCapite, Vanessa	26.00	32.05	1.41	0.69	2.86	27.25	3.00	8.00	18.00	0.00
Demel, Samuel	24.70	24.78	1.20	0.88	2.96	27.78	2.53	7.00	10.00	0.00
Dominguez, Lucio	24.63	24.76	1.54	0.60	2.08	27.04	3.24	7.00	30.00	0.00
Escobar, Wilmar	24.39	44.58	1.93	0.89	2.03	26.50	3.69	4.00	30.00	0.00
Foecking, Brian	25.25	41.51	1.16	1.39	2.91	28.00	3.58	4.00	42.00	0.00
Garcia, Orlando	25.75	32.06	1.55	0.99	2.84	29.29	3.07	7.00	15.00	0.00
Hayden, Matthew	25.50	37.75	0.67	0.46	2.31	27.25	1.80	8.00	28.00	0.00
Hills, Barry	25.00	44.50	1.35	1.29	2.75	36.25	3.34	2.00	23.00	0.00
JUNJUN, ZHU	47.25	45.52	1.23	1.15	1.99	30.58	3.67	8.00	31.00	0.00
Kobrinetz, Joaquin J.	25.25	37.29	1.13	0.67	3.63	26.50	2.52	8.00	44.00	0.00
Pan, Yinliang	25.25	43.77	0.46	0.49	0.65	31.00	2.36	1.00	48.00	0.00
Price, Gregory	25.75	31.51	1.11	0.71	2.49	26.31	2.13	6.00	39.00	0.00
Sanchez, Christopher	25.50	24.78	1.57	0.84	3.25	27.03	3.07	7.00	29.00	0.00
Trevino, Robert	25.50	31.63	1.50	0.54	2.95	28.00	2.44	8.00	25.00	0.00
Von Staden, Jon	24.30	24.08	1.65	0.99	2.75	27.25	3.35	9.00	24.00	0.00
MAXIMUM	26.00	44.50	2.15	1.39	4.43	29.50	3.58	9.00	44.00	0.00
MINIMUM	23.35	24.53	0.67	0.46	2.31	26.31	1.80	2.00	18.00	0.00
RANGE(MAX-MIN)	2.650	19.970	1.480	0.930	2.120	3.190	1.780	7.000	26.000	0.000
MEAN	25.206	35.421	1.269	0.829	3.029	27.508	2.777	6.556	31.222	0.000
STANDARD DEVIATION	0.758	6.071	0.415	0.366	0.639	1.007	0.631	2.297	10.721	0.100
N SIZE	20.000									

Part ID= C1 - KEYSTONE

C1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	0.06	-1.79	-0.79	-0.93	-0.15	1.98	-0.23	1.06	-1.14	0.00
Bolaney, Jonathan	-0.03	0.06	-0.53	-0.52	-0.89	0.49	-0.11	-0.24	-0.11	0.00
Broff, Andy	-0.01	0.14	-1.13	-1.17	-0.36	-0.26	0.59	-1.11	-0.11	0.00
Castillo, George	-2.45	0.43	2.12	1.07	2.19	-0.26	1.23	-0.24	1.10	0.00
Chao, Qian	-3.18	-1.82	0.68	-1.31	0.42	42.48	1.78	0.63	-2.17	0.00
DeCapite, Vanessa	1.05	-0.56	0.34	-0.38	-0.26	-0.26	0.35	0.63	-1.23	0.00
Demel, Samuel	-0.67	-1.75	-0.17	0.14	-0.11	0.27	-0.39	0.19	-1.98	0.00
Dominguez, Lucio	-0.76	-1.76	0.65	-0.62	-1.48	-0.46	0.73	0.19	-0.11	0.00
Escobar, Wilmar	-1.08	1.51	1.59	0.17	-1.56	-1.00	1.45	-1.11	-0.11	0.00
Foecking, Brian	0.06	1.00	-0.26	1.53	-0.19	0.49	1.27	-1.11	1.01	0.00
Garcia, Orlando	0.72	-0.55	0.68	0.44	-0.30	1.77	0.47	0.19	-1.51	0.00
Hayden, Matthew	0.39	0.38	-1.44	-1.01	-1.12	-0.26	-1.55	0.63	-0.30	0.00
Hills, Barry	-0.27	1.50	0.20	1.26	-0.44	8.68	0.89	-1.98	-0.77	0.00
JUNJUN, ZHU	29.40	1.66	-0.09	0.88	-1.63	3.05	1.42	0.63	-0.02	0.00
Kobrinetz, Joaquin J.	0.06	0.31	-0.33	-0.43	0.94	-1.00	-0.41	0.63	1.19	0.00
Pan, Yinliang	0.06	1.38	-1.95	-0.93	-3.72	3.47	-0.66	-2.42	1.56	0.00
Price, Gregory	0.72	-0.64	-0.38	-0.32	-0.84	-1.19	-1.03	-0.24	0.73	0.00
Sanchez, Christopher	0.39	-1.75	0.73	0.03	0.35	-0.47	0.47	0.19	-0.21	0.00
Trevino, Robert	0.39	-0.62	0.56	-0.79	-0.12	0.49	-0.53	0.63	-0.58	0.00
Von Staden, Jon	-1.20	-1.87	0.92	0.44	-0.44	-0.26	0.91	1.06	-0.67	0.00
MAXIMUM	-2.45	-1.79	2.12	1.53	2.19	1.98	-1.55	-1.98	-1.23	0.00
MINIMUM	0.06	0.31	0.20	-0.32	-0.12	-0.26	-0.23	-0.24	-0.30	0.00
RANGE(MAX-MIN)	-2.508	-2.102	1.927	1.856	2.316	2.234	-1.316	-1.741	-0.933	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	20.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	48.50	22.40	0.30	0.23	3.66	25.45	0.74	56.00	17.00	0.00
Bolaney, Jonathan	48.50	22.06	0.28	0.27	5.09	25.14	0.93	50.00	5.00	0.00
Broff, Andy	53.85	20.50	0.10	0.90	2.88	25.38	0.70	60.00	10.00	0.00
Castillo, George	53.75	20.80	1.99	1.00	4.53	25.09	1.51	60.00	13.00	0.00
Chao, Qian	32.50	20.90	0.95	0.30	5.55	41.85	1.95	12.00	8.00	0.00
DeCapite, Vanessa	58.75	19.63	0.94	0.57	2.98	30.08	0.42	63.00	5.00	0.00
Demel, Samuel	51.75	18.24	0.89	0.52	5.06	29.23	1.03	56.00	3.00	0.00
Dominguez, Lucio	53.75	21.38	0.83	0.45	2.78	25.39	0.56	45.00	7.00	0.00
Foecking, Brian	56.50	19.50	0.97	0.59	5.16	25.33	1.12	62.00	12.00	0.00
Garcia, Orlando	54.25	19.33	1.24	1.00	3.13	28.28	1.44	60.00	28.00	0.00
Hayden, Matthew	64.00	20.32	0.51	0.58	6.34	22.82	0.64	66.00	5.00	0.00
Hills, Barry	44.25	21.26	1.50	0.89	4.72	26.34	1.51	44.00	6.00	0.00
Jiao, Deng	73.50	19.50	0.75	1.45	2.05	28.36	2.54	65.00	20.00	0.00
JUNJUN, ZHU	41.17	19.97	0.24	0.88	3.15	28.80	1.13	12.00	7.00	0.00
Kobrinetz, Joaquin J.	53.25	19.67	0.46	0.34	5.28	25.23	0.49	55.00	11.00	0.00
Pan, Yinliang	67.75	19.91	0.26	0.16	2.09	30.85	0.58	63.00	12.00	0.00
Price, Gregory	63.00	21.31	0.50	0.55	4.06	22.93	0.65	63.00	3.00	0.00
Rodriguez, Edward	55.75	21.12	0.31	0.47	4.73	24.59	1.01	59.00	11.00	0.00
Sanchez, Christopher	61.25	21.53	0.76	0.38	4.29	23.26	0.36	54.00	8.00	0.00
Trevino, Robert	51.00	18.94	1.05	0.43	4.52	25.70	1.02	49.00	5.00	0.00
Veiga, Victor	52.50	20.86	1.54	0.87	4.68	27.09	1.71	54.00	16.00	0.00
Von Staden, Jon	53.75	22.48	0.43	0.38	3.59	29.89	0.53	53.00	6.00	0.00
MAXIMUM	64.00	22.40	1.99	1.00	6.34	30.08	1.51	66.00	17.00	0.00
MINIMUM	44.25	18.94	0.30	0.23	2.98	22.82	0.42	44.00	3.00	0.00
RANGE(MAX-MIN)	19.750	3.460	1.690	0.770	3.360	7.260	1.090	22.000	14.000	0.000
MEAN	54.778	20.426	0.913	0.576	4.583	25.441	0.900	57.556	8.556	0.000
STANDARD DEVIATION	6.513	1.107	0.552	0.244	0.976	2.114	0.412	7.265	4.799	0.100
N SIZE	22.000									

Part ID= C2 - KEYSTONE

C2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	-0.96	1.78	-1.11	-1.42	-0.95	0.00	-0.39	-0.21	1.76	0.00
Bolaney, Jonathan	-0.96	1.48	-1.15	-1.25	0.52	-0.14	0.07	-1.04	-0.74	0.00
Broff, Andy	-0.14	0.07	-1.47	1.33	-1.74	-0.03	-0.48	0.34	0.30	0.00
Castillo, George	-0.16	0.34	1.95	1.74	-0.05	-0.17	1.48	0.34	0.93	0.00
Chao, Qian	-3.42	0.43	0.07	-1.13	0.99	7.76	2.55	-6.27	-0.12	0.00
DeCapite, Vanessa	0.61	-0.72	0.05	-0.02	-1.64	2.19	-1.16	0.75	-0.74	0.00
Demel, Samuel	-0.46	-1.98	-0.04	-0.23	0.49	1.79	0.32	-0.21	-1.16	0.00
Dominguez, Lucio	-0.16	0.86	-0.15	-0.51	-1.85	-0.02	-0.82	-1.73	-0.32	0.00
Foecking, Brian	0.26	-0.84	0.10	0.06	0.59	-0.05	0.53	0.61	0.72	0.00
Garcia, Orlando	-0.08	-0.99	0.59	1.74	-1.49	1.34	1.31	0.34	4.05	0.00
Hayden, Matthew	1.42	-0.10	-0.73	0.02	1.80	-1.24	-0.63	1.16	-0.74	0.00
Hills, Barry	-1.62	0.75	1.06	1.29	0.14	0.43	1.48	-1.87	-0.53	0.00
Jiao, Deng	2.87	-0.84	-0.30	3.58	-2.59	1.38	3.98	1.02	2.38	0.00
JUNJUN, ZHU	-2.09	-0.41	-1.22	1.25	-1.47	1.59	0.56	-6.27	-0.32	0.00
Kobrinetz, Joaquin J.	-0.23	-0.68	-0.82	-0.97	0.71	-0.10	-0.99	-0.35	0.51	0.00
Pan, Yinliang	1.99	-0.47	-1.18	-1.70	-2.55	2.56	-0.78	0.75	0.72	0.00
Price, Gregory	1.26	0.80	-0.75	-0.10	-0.54	-1.19	-0.61	0.75	-1.16	0.00
Rodriguez, Edward	0.15	0.63	-1.09	-0.43	0.15	-0.40	0.27	0.20	0.51	0.00
Sanchez, Christopher	0.99	1.00	-0.28	-0.80	-0.30	-1.03	-1.31	-0.49	-0.12	0.00
Trevino, Robert	-0.58	-1.34	0.25	-0.60	-0.06	0.12	0.29	-1.18	-0.74	0.00
Veiga, Victor	-0.35	0.39	1.13	1.21	0.10	0.78	1.96	-0.49	1.55	0.00
Von Staden, Jon	-0.16	1.86	-0.88	-0.80	-1.02	2.10	-0.90	-0.63	-0.53	0.00
MAXIMUM	-1.62	1.78	1.95	1.74	1.80	2.19	1.48	-1.87	1.76	0.00
MINIMUM	-0.16	-0.10	0.05	0.02	-0.05	0.00	0.29	-0.21	0.51	0.00
RANGE(MAX-MIN)	-1.459	1.880	1.901	1.722	1.854	2.190	1.188	-1.652	1.250	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	22.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	25.25	26.50	1.38	0.97	2.27	33.63	2.13	10.00	22.00	0.00
Bolaney, Jonathan	25.50	29.50	0.58	1.21	1.95	31.10	3.49	5.00	15.00	0.00
Broff, Andy	24.85	26.35	1.65	0.45	2.80	33.10	3.00	7.00	35.00	0.00
Castillo, George	25.50	25.00	1.51	1.49	2.73	30.33	2.54	5.00	60.00	0.00
Chao, Qian	25.00	25.00	1.20	0.55	3.60	54.40	3.60	6.00	6.00	0.00
DeCapite, Vanessa	25.50	28.00	1.77	0.92	2.07	36.88	3.49	10.00	14.00	0.00
Demel, Samuel	25.34	27.25	1.78	1.18	1.66	33.26	2.81	7.00	25.00	0.00
Foecking, Brian	25.00	28.75	2.01	1.26	2.02	31.38	2.69	5.00	27.00	0.00
Garcia, Orlando	25.00	28.00	2.26	1.57	1.39	34.01	3.18	13.00	22.00	0.00
Hills, Barry	25.00	27.25	1.27	0.25	2.29	38.78	2.65	5.00	47.00	0.00
JUNJUN, ZHU	60.50	31.00	1.47	1.13	2.98	40.03	3.73	5.00	13.00	0.00
Kobrinetz, Joaquin J.	25.00	26.50	1.42	0.82	2.31	33.92	3.31	8.00	39.00	0.00
Price, Gregory	25.25	27.25	1.06	0.76	1.78	30.41	2.42	7.00	37.00	0.00
Rodriguez, Edward	25.00	28.00	1.30	1.21	2.32	36.67	2.66	6.00	29.00	0.00
Sanchez, Christopher	25.09	26.50	1.90	0.96	1.93	32.74	2.83	7.00	12.00	0.00
Trevino, Robert	25.00	25.00	1.18	0.68	2.19	32.95	1.93	7.00	30.00	0.00
Veiga, Victor	25.00	26.50	1.26	0.40	2.18	35.35	3.18	5.00	29.00	0.00
Von Staden, Jon	25.50	27.25	1.08	0.71	1.96	31.99	2.59	9.00	10.00	0.00
MAXIMUM	25.50	28.75	2.01	1.49	2.73	38.78	3.49	10.00	60.00	0.00
MINIMUM	25.00	25.00	1.06	0.25	1.78	30.33	1.93	5.00	14.00	0.00
RANGE(MAX-MIN)	0.500	3.750	0.950	1.240	0.950	8.450	1.560	5.000	46.000	0.000
MEAN	25.188	26.781	1.450	0.894	2.208	33.535	2.645	7.125	34.500	0.000
STANDARD DEVIATION	0.222	1.326	0.312	0.374	0.276	3.021	0.534	2.100	14.570	0.100
N SIZE	18.000									

Part ID= C3 - KEYSTONE

C3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	0.28	-0.21	-0.22	0.20	0.23	0.03	-0.96	1.37	-0.86	0.00
Bolaney, Jonathan	1.41	2.05	-2.79	0.85	-0.93	1.58	-0.81	1.58	-1.01	-1.34
Broff, Andy	-1.52	-0.33	0.64	-1.19	2.15	-0.14	0.66	-0.06	0.03	0.00
Castillo, George	1.41	-1.34	0.19	1.59	1.90	-1.06	-0.20	-1.01	1.75	0.00
Chao, Qian	-0.85	-1.34	-0.80	-0.92	5.05	6.91	1.79	-0.54	-1.96	0.00
DeCapite, Vanessa	1.41	0.92	1.02	0.07	-0.50	1.11	1.58	1.37	-1.41	0.00
Demel, Samuel	0.69	0.35	1.06	0.77	-1.99	-0.09	0.31	-0.06	-0.65	0.00
Foecking, Brian	-0.85	1.48	1.79	0.98	-0.68	-0.71	0.08	-1.01	-0.51	0.00
Garcia, Orlando	-0.85	0.92	2.59	1.81	-2.97	0.16	1.00	2.80	-0.86	0.00
Hills, Barry	-0.85	0.35	-0.58	-1.72	0.30	1.74	0.01	-1.01	0.86	0.00
JUNJUN, ZHU	114.23	3.18	0.06	0.63	2.80	2.15	2.03	-1.01	-1.48	0.00
Kobrinetz, Joaquin J.	-0.85	-0.21	-0.10	-0.20	0.37	0.13	1.25	0.42	0.31	0.00
Price, Gregory	0.28	0.35	-1.25	-0.36	-1.55	-1.03	-0.42	-0.06	0.17	0.00
Rodriguez, Edward	-0.85	0.92	-0.48	0.85	0.41	1.04	0.03	-0.54	-0.38	0.00
Sanchez, Christopher	-0.44	-0.21	1.44	0.18	-1.01	-0.26	0.35	-0.06	-1.54	0.00
Trevino, Robert	-0.85	-1.34	-0.86	-0.57	-0.06	-0.19	-1.34	-0.06	-0.31	0.00
Veiga, Victor	-0.85	-0.21	-0.61	-1.32	-0.10	0.60	1.00	-1.01	-0.38	0.00
Von Staden, Jon	1.41	0.35	-1.18	-0.49	-0.90	-0.51	-0.10	0.89	-1.68	0.00
MAXIMUM	1.41	1.48	1.79	-1.72	1.90	1.74	1.58	1.37	1.75	0.00
MINIMUM	0.28	-0.21	-0.10	0.07	-0.06	0.03	0.01	-0.06	0.17	0.00
RANGE(MAX-MIN)	1.128	1.697	1.889	-1.791	1.960	1.705	1.573	1.428	1.579	0.000
MEAN	0.000	0.000	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	1.000	0.100
N SIZE	18.000									

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	57.82	8.01	3.60	22.74	37.00	5.69	3.60	65.00	2.00	9.00	46.00
Broff, Andy	60.36	10.34	1.86	21.30	34.75	6.16	4.50	60.00	2.00	9.00	46.00
Castillo, George	56.03	7.34	1.50	17.63	28.75	4.68	1.50	60.00	3.00	7.00	50.00
Chao, Qian	27.03	8.00	6.10	21.10	73.75	4.66	3.00	10.00	2.00	10.00	60.00
DeCapite, Vanessa	43.08	12.74	1.50	22.44	42.79	6.66	3.00	50.00	1.00	11.00	53.00
Demel, Samuel	51.37	8.94	1.41	19.00	40.32	5.59	2.70	65.00	2.00	8.00	54.00
Foecking, Brian	48.03	11.05	1.05	23.70	32.50	8.75	3.30	67.00	1.00	12.00	32.00
Garcia, Orlando	51.57	7.20	3.45	22.72	40.34	5.65	4.35	73.00	4.00	13.00	52.00
Hayden, Matthew	51.81	10.63	1.80	25.67	33.56	6.30	3.76	64.00	2.00	12.00	41.00
Hills, Barry	46.50	8.72	2.40	19.15	39.25	6.37	4.50	40.00	2.00	8.00	54.00
Jiao, Deng	65.56	5.70	3.16	16.15	55.00	4.21	1.13	40.00	1.00	5.00	60.00
JUNJUN, ZHU	51.05	8.68	2.26	23.35	44.28	4.41	1.50	6.00	1.00	15.00	35.00
Kobrinetz, Joaquin J.	58.54	11.78	1.17	20.19	32.28	6.58	1.51	68.00	2.00	7.00	52.00
Price, Gregory	56.28	10.48	1.50	17.01	33.02	5.58	1.50	76.00	1.00	6.00	51.00
Sanchez, Christopher	50.32	8.40	1.90	18.25	39.02	5.26	2.40	60.00	1.00	7.00	33.00
Trevino, Robert	49.83	8.83	2.16	17.51	34.00	5.92	2.28	54.00	2.00	5.00	33.00
Von Staden, Jon	57.08	7.25	1.50	20.69	38.02	4.43	1.50	54.00	1.00	11.00	60.00
MAXIMUM	58.54	12.74	3.60	25.67	42.79	8.75	4.50	76.00	3.00	12.00	54.00
MINIMUM	43.08	7.34	1.05	17.01	28.75	4.68	1.50	40.00	1.00	5.00	32.00
RANGE(MAX-MIN)	15.460	5.400	2.550	8.660	14.040	4.070	3.000	36.000	2.000	7.000	22.000
MEAN	51.991	9.953	1.853	20.671	34.794	6.281	2.739	60.444	1.778	8.556	45.778
STANDARD DEVIATION	5.495	1.818	0.785	3.098	4.214	1.111	1.118	10.864	0.667	2.603	8.511
N SIZE	17.000										

Part ID= C4 - C13-STYLE

C4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	1.06	-1.07	2.22	0.67	0.52	-0.53	0.77	0.42	0.33	0.17	0.03
Broff, Andy	1.52	0.21	0.01	0.20	-0.01	-0.11	1.58	-0.04	0.33	0.17	0.03
Castillo, George	0.74	-1.44	-0.45	-0.98	-1.43	-1.44	-1.11	-0.04	1.83	-0.60	0.50
Chao, Qian	-4.54	-1.07	4.13	0.14	9.24	-1.46	0.23	-4.64	0.33	0.55	1.67
DeCapite, Vanessa	-1.62	1.53	-0.45	0.57	1.90	0.34	-0.03	-0.96	-1.17	0.94	0.85
Demel, Samuel	-0.11	-0.56	-0.56	-0.54	1.31	-0.62	-0.03	0.42	0.33	-0.21	0.97
Foecking, Brian	-0.72	0.60	-1.02	0.98	-0.54	2.22	0.50	0.60	-1.17	1.32	-1.62
Garcia, Orlando	-0.08	-1.51	2.03	0.66	1.32	-0.57	1.44	1.16	3.33	1.71	0.73
Hayden, Matthew	-0.03	0.37	-0.07	1.61	-0.29	0.02	0.91	0.33	0.33	1.32	-0.56
Hills, Barry	-1.00	-0.68	0.70	-0.49	1.06	0.08	1.58	-1.88	0.33	-0.21	0.97
Jiao, Deng	2.47	-2.34	1.66	-1.46	4.79	-1.86	-1.44	-1.88	-1.17	-1.37	1.67
JUNJUN, ZHU	-0.17	-0.70	0.52	0.86	2.25	-1.68	-1.11	-5.04	-1.17	2.48	-1.27
Kobrinetz, Joaquin J.	1.19	1.01	-0.87	-0.16	-0.60	0.27	-1.10	0.70	0.33	-0.60	0.73
Price, Gregory	0.78	0.29	-0.45	-1.18	-0.42	-0.63	-1.11	1.43	-1.17	-0.98	0.61
Sanchez, Christopher	-0.30	-0.85	0.06	-0.78	1.00	-0.92	-0.30	-0.04	-1.17	-0.60	-1.50
Trevino, Robert	-0.39	-0.62	0.39	-1.02	-0.19	-0.33	-0.41	-0.59	0.33	-1.37	-1.50
Von Staden, Jon	0.93	-1.49	-0.45	0.01	0.77	-1.67	-1.11	-0.59	-1.17	0.94	1.67
MAXIMUM	-1.62	1.53	2.22	1.61	1.90	2.22	1.58	-1.88	1.83	-1.37	-1.62
MINIMUM	-0.03	0.29	-0.07	-0.16	-0.19	0.02	-0.03	-0.04	0.33	0.17	0.03
RANGE(MAX-MIN)	-1.589	1.243	2.292	1.769	2.086	2.206	1.611	-1.841	1.500	-1.536	-1.645
MEAN	0.000	0.000	0.000	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	1.000	1.000	1.000
N SIZE	17.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Barrera, Tony	52.50	14.47	5.26	7.65	31.34	4.50	4.50	50.00	4.00	0.00	34.00	
Bolaney, Jonathan	41.25	12.29	5.10	8.32	31.11	1.50	1.50	47.00	2.00	0.00	18.00	
Broff, Andy	49.05	11.20	4.50	6.28	28.50	1.50	4.50	47.00	2.00	0.00	65.00	
Castillo, George	49.00	9.70	3.00	4.62	29.06	1.50	1.50	45.00	3.00	0.00	49.00	
Chao, Qian	42.50	4.90	4.20	4.40	68.90	2.10	2.70	15.00	2.00	0.00	40.00	
DeCapite, Vanessa	45.00	11.14	5.86	7.23	33.60	1.50	4.50	43.00	2.00	0.00	48.00	
Demel, Samuel	55.25	10.79	4.42	5.92	32.39	1.72	1.95	45.00	2.00	0.00	41.00	
Foecking, Brian	43.00	12.79	5.22	6.57	29.63	4.50	4.72	49.00	1.00	0.00	36.00	
Garcia, Orlando	49.50	9.25	2.63	5.99	31.88	1.65	3.90	60.00	5.00	0.00	48.00	
Hayden, Matthew	38.50	11.04	5.91	7.38	28.86	1.65	3.70	50.00	3.00	0.00	0.00	
Hills, Barry	50.50	13.09	4.65	5.60	31.07	4.50	4.50	38.00	2.00	0.00	32.00	
JUNJUN, ZHU	70.75	10.89	5.74	7.13	41.26	4.50	4.50	53.00	5.00	0.00	37.00	
Kobrinetz, Joaquin J.	49.50	11.02	4.63	6.39	30.36	1.50	2.26	46.00	1.00	0.00	47.00	
Pan, Yinliang	60.50	11.57	5.32	6.16	30.17	4.35	4.20	50.00	2.00	0.00	52.00	
Pitta, Jimmy	54.00	9.62	6.21	5.79	26.56	1.50	4.50	38.00	2.00	0.00	60.00	
Price, Gregory	57.75	8.74	3.30	4.30	27.62	1.60	2.40	56.00	1.00	0.00	47.00	
Sanchez, Christopher	55.00	9.95	4.68	5.99	31.61	1.60	2.10	47.00	2.00	0.00	43.00	
Trevino, Robert	51.75	9.16	2.82	6.85	30.41	1.50	1.86	47.00	2.00	0.00	33.00	
MAXIMUM	57.75	14.47	5.91	7.65	33.60	4.50	4.72	56.00	4.00	0.00	49.00	
MINIMUM	38.50	8.74	2.82	4.30	27.62	1.50	1.50	38.00	1.00	0.00	0.00	
RANGE(MAX-MIN)	19.250	5.730	3.090	3.350	5.980	3.000	3.220	18.000	3.000	0.000	49.000	
MEAN	48.611	11.239	4.517	6.288	30.217	2.528	3.327	47.111	2.111	0.000	36.222	
STANDARD DEVIATION	5.698	1.914	1.198	1.201	1.723	1.480	1.308	5.061	1.054	0.100	15.328	
N SIZE	18.000											

Part ID= C5 - C13-STYLE

C5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Barrera, Tony	0.68	1.69	0.62	1.13	0.65	1.33	0.90	0.57	1.79	0.00	-0.15	
Bolaney, Jonathan	-1.29	0.55	0.49	1.69	0.52	-0.69	-1.40	-0.02	-0.11	0.00	-1.19	
Broff, Andy	0.08	-0.02	-0.01	-0.01	-1.00	-0.69	0.90	-0.02	-0.11	0.00	1.88	
Castillo, George	0.07	-0.80	-1.27	-1.39	-0.67	-0.69	-1.40	-0.42	0.84	0.00	0.83	
Chao, Qian	-1.07	-3.34	-0.26	-1.57	22.45	-0.29	-0.48	-6.35	-0.11	0.00	0.25	
DeCapite, Vanessa	-0.63	-0.05	1.12	0.78	1.96	-0.69	0.90	-0.81	-0.11	0.00	0.77	
Demel, Samuel	1.17	-0.23	-0.08	-0.31	1.26	-0.55	-1.05	-0.42	-0.11	0.00	0.31	
Foecking, Brian	-0.98	0.81	0.59	0.23	-0.34	1.33	1.06	0.37	-1.05	0.00	-0.01	
Garcia, Orlando	0.16	-1.04	-1.57	-0.25	0.97	-0.59	0.44	2.55	2.74	0.00	0.77	
Hayden, Matthew	-1.77	-0.10	1.16	0.91	-0.79	-0.59	0.29	0.57	0.84	0.00	-2.36	
Hills, Barry	0.33	0.97	0.11	-0.57	0.50	1.33	0.90	-1.80	-0.11	0.00	-0.28	
JUNJUN, ZHU	3.89	-0.18	1.02	0.70	6.44	1.33	0.90	1.16	2.74	0.00	0.05	
Kobrinetz, Joaquin J.	0.16	-0.11	0.09	0.09	0.08	-0.69	-0.82	-0.22	-1.05	0.00	0.70	
Pan, Yinliang	2.09	0.17	0.67	-0.11	-0.03	1.23	0.67	0.57	-0.11	0.00	1.03	
Pitta, Jimmy	0.95	-0.85	1.41	-0.41	-2.12	-0.69	0.90	-1.80	-0.11	0.00	1.55	
Price, Gregory	1.60	-1.31	-1.02	-1.65	-1.51	-0.63	-0.71	1.76	-1.05	0.00	0.70	
Sanchez, Christopher	1.12	-0.67	0.14	-0.25	0.81	-0.63	-0.94	-0.02	-0.11	0.00	0.44	
Trevino, Robert	0.55	-1.09	-1.42	0.47	0.11	-0.69	-1.12	-0.02	-0.11	0.00	-0.21	
MAXIMUM	-1.77	1.69	-1.42	-1.65	1.96	1.33	-1.40	-1.80	1.79	0.00	-2.36	
MINIMUM	0.07	-0.05	0.09	0.09	0.08	-0.59	0.29	-0.02	-0.11	0.00	-0.01	
RANGE(MAX-MIN)	-1.843	1.740	-1.511	-1.740	1.880	1.926	-1.681	-1.778	1.897	0.000	-2.349	
MEAN	0.000	0.000	0.000	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	1.000	0.100	1.000	
N SIZE	18.000											

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	35.05	6.22	3.30	18.26	29.32	1.54	4.50	40.00	1.00	6.00	19.00
Bolaney, Jonathan	44.56	6.20	2.70	18.27	29.77	1.50	1.50	48.00	1.00	6.00	15.00
Broff, Andy	44.95	5.26	4.50	17.24	27.93	1.50	1.50	48.00	1.00	6.00	22.00
Castillo, George	52.53	3.98	1.65	13.62	27.79	1.50	1.50	60.00	1.00	5.00	32.00
Chao, Qian	26.40	5.80	2.56	18.45	32.50	1.92	1.57	10.00	2.00	10.00	10.00
DeCapite, Vanessa	53.03	5.02	4.50	16.42	32.06	1.95	1.50	48.00	1.00	6.00	16.00
Demel, Samuel	43.75	4.32	4.08	15.19	28.18	1.96	2.16	48.00	1.00	6.00	27.00
Foecking, Brian	41.03	5.28	2.53	14.26	27.03	1.84	1.68	59.00	1.00	3.00	18.00
Garcia, Orlando	49.00	4.78	1.20	15.76	26.66	3.34	3.30	52.00	1.00	5.00	28.00
Hayden, Matthew	43.00	6.95	4.92	16.44	27.25	1.74	1.78	47.00	1.00	3.00	22.00
Hills, Barry	39.75	4.54	3.90	16.98	26.02	3.00	4.50	36.00	1.00	6.00	21.00
JUNJUN, ZHU	47.78	5.70	4.26	15.18	37.37	4.38	1.50	8.00	3.00	6.00	38.00
Kobrinetz, Joaquin J.	48.54	4.83	2.03	14.34	27.77	1.54	1.52	49.00	1.00	3.00	29.00
Price, Gregory	45.28	5.04	3.30	13.64	27.54	2.61	1.50	52.00	1.00	4.00	31.00
Sanchez, Christopher	43.77	5.15	3.39	14.77	27.78	1.78	1.68	42.00	1.00	3.00	27.00
Trevino, Robert	43.59	5.03	2.58	13.69	27.77	1.74	2.22	40.00	1.00	3.00	17.00
MAXIMUM	53.03	6.95	4.92	18.26	32.06	3.00	4.50	60.00	1.00	6.00	32.00
MINIMUM	35.05	3.98	1.65	13.62	26.02	1.50	1.50	36.00	1.00	3.00	16.00
RANGE(MAX-MIN)	17.980	2.970	3.270	4.640	6.040	1.500	3.000	24.000	0.000	3.000	16.000
MEAN	44.644	5.210	3.190	15.294	28.061	1.940	2.300	47.889	1.000	4.333	22.778
STANDARD DEVIATION	5.926	0.884	1.105	1.743	1.731	0.522	1.268	8.328	0.100	1.414	6.241
N SIZE	16.000										

Part ID= C6 - C13-STYLE

C6 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	-1.62	1.14	0.10	1.70	0.73	-0.77	1.73	-0.95	0.00	1.18	-0.61
Bolaney, Jonathan	-0.01	1.12	-0.44	1.71	0.99	-0.84	-0.63	0.01	0.00	1.18	-1.25
Broff, Andy	0.05	0.06	1.19	1.12	-0.08	-0.84	-0.63	0.01	0.00	1.18	-0.12
Castillo, George	1.33	-1.39	-1.39	-0.96	-0.16	-0.84	-0.63	1.45	0.00	0.47	1.48
Chao, Qian	-3.08	0.67	-0.57	1.81	2.56	-0.04	-0.58	-4.55	10.00	4.01	-2.05
DeCapite, Vanessa	1.42	-0.21	1.19	0.65	2.31	0.02	-0.63	0.01	0.00	1.18	-1.09
Demel, Samuel	-0.15	-1.01	0.81	-0.06	0.07	0.04	-0.11	0.01	0.00	1.18	0.68
Foecking, Brian	-0.61	0.08	-0.60	-0.59	-0.60	-0.19	-0.49	1.33	0.00	-0.94	-0.77
Garcia, Orlando	0.74	-0.49	-1.80	0.27	-0.81	2.68	0.79	0.49	0.00	0.47	0.84
Hayden, Matthew	-0.28	1.97	1.57	0.66	-0.47	-0.38	-0.41	-0.11	0.00	-0.94	-0.12
Hills, Barry	-0.83	-0.76	0.64	0.97	-1.18	2.03	1.73	-1.43	0.00	1.18	-0.28
JUNJUN, ZHU	0.53	0.55	0.97	-0.07	5.38	4.68	-0.63	-4.79	20.00	1.18	2.44
Kobrinetz, Joaquin J.	0.66	-0.43	-1.05	-0.55	-0.17	-0.77	-0.62	0.13	0.00	-0.94	1.00
Price, Gregory	0.11	-0.19	0.10	-0.95	-0.30	1.28	-0.63	0.49	0.00	-0.24	1.32
Sanchez, Christopher	-0.15	-0.07	0.18	-0.30	-0.16	-0.31	-0.49	-0.71	0.00	-0.94	0.68
Trevino, Robert	-0.18	-0.20	-0.55	-0.92	-0.17	-0.38	-0.06	-0.95	0.00	-0.94	-0.93
MAXIMUM	-1.62	1.97	1.57	1.70	2.31	2.03	1.73	1.45	0.00	1.18	1.48
MINIMUM	0.11	0.08	0.10	-0.55	-0.16	0.02	-0.06	0.01	0.00	-0.24	-0.12
RANGE(MAX-MIN)	-1.726	1.888	1.467	2.249	2.466	2.013	1.798	1.441	0.000	1.414	1.602
MEAN	0.000	0.000	0.000	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	0.100	1.000	1.000
N SIZE	16.000										

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= C7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	49.75	73.75	16.41	58.26	22.79
Bolaney, Jonathan	20.14	51.25	16.11	49.02	24.00
Broff, Andy	19.74	63.37	15.40	40.00	21.20
Castillo, George	18.37	64.00	15.98	52.75	21.65
Chao, Qian	15.72	17.40	19.05	7.60	13.95
DeCapite, Vanessa	19.92	55.00	34.56	66.76	23.27
Foecking, Brian	19.69	69.25	18.32	66.75	17.73
Garcia, Orlando	23.58	61.00	16.00	54.00	15.46
Hayden, Matthew	18.34	65.50	15.87	34.00	23.32
Hills, Barry	25.75	28.75	17.20	56.02	22.80
JUNJUN, ZHU	25.56	48.25	22.70	44.76	26.19
Kobrinetz, Joaquin J.	18.16	77.50	16.24	54.25	18.47
Price, Gregory	19.99	63.25	15.87	34.26	17.75
Veiga, Victor	19.60	55.75	17.13	66.25	17.89
MAXIMUM	25.75	77.50	18.32	66.76	23.32
MINIMUM	18.16	28.75	15.87	34.00	17.73
RANGE(MAX-MIN)	7.590	48.750	2.450	32.760	5.590
MEAN	20.031	62.125	16.556	52.881	20.973
STANDARD DEVIATION	2.644	15.133	0.906	12.699	2.537
N SIZE	14.000				

Part ID= C7 - DV4 PISTON

C7 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	11.24	0.77	-0.16	0.42	0.72
Bolaney, Jonathan	0.04	-0.72	-0.49	-0.30	1.19
Broff, Andy	-0.11	0.08	-1.28	-1.01	0.09
Castillo, George	-0.63	0.12	-0.64	-0.01	0.27
Chao, Qian	-1.63	-2.96	2.75	-3.57	-2.77
DeCapite, Vanessa	-0.04	-0.47	19.88	1.09	0.91
Foecking, Brian	-0.13	0.47	1.95	1.09	-1.28
Garcia, Orlando	1.34	-0.07	-0.61	0.09	-2.17
Hayden, Matthew	-0.64	0.22	-0.76	-1.49	0.93
Hills, Barry	2.16	-2.21	0.71	0.25	0.72
JUNJUN, ZHU	2.09	-0.92	6.78	-0.64	2.06
Kobrinetz, Joaquin J.	-0.71	1.02	-0.35	0.11	-0.99
Price, Gregory	-0.02	0.07	-0.76	-1.47	-1.27
Veiga, Victor	-0.16	-0.42	0.63	1.05	-1.22
MAXIMUM	2.16	-2.21	1.95	-1.49	-1.28
MINIMUM	-0.02	0.07	-0.16	-0.01	0.27
RANGE(MAX-MIN)	2.178	-2.280	2.109	-1.477	-1.545
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000
N SIZE	14.000				

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= J1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	14.00	13.00	50.00	38.00	22.00	21.00
Broff, Andy	11.00	15.00	54.00	42.00	18.00	36.00
Castillo, George	13.00	13.00	44.00	62.00	15.00	30.00
Chao, Qian	17.00	22.00	31.00	26.00	18.00	31.00
DeCapite, Vanessa	15.00	13.00	54.00	35.00	25.00	26.00
Demel, Samuel	14.00	16.00	27.00	22.00	19.00	22.00
Dominguez, Lucio	15.00	18.00	62.00	40.00	36.00	36.00
Hayden, Matthew	17.00	20.00	60.00	36.00	20.00	25.00
Jiao, Deng	16.00	20.00	34.00	28.00	19.00	31.00
Kobrinetz, Joaquin J.	14.00	12.00	58.00	46.00	19.00	27.00
Liang, Chen	6.00	13.00	44.00	36.00	26.00	25.00
Lonsway, Chris	15.00	12.00	52.00	48.00	28.00	23.00
Pan, Yinliang	20.00	16.00	86.00	63.00	25.00	40.00
Rodriguez, Edward	11.00	11.00	74.00	40.00	20.00	23.00
Sanchez, Arthur	17.00	14.00	73.00	61.00	30.00	38.00
Stremlow, Mike	8.00	9.00	63.00	34.00	11.00	20.00
MAXIMUM	20.00	22.00	86.00	63.00	36.00	40.00
MINIMUM	6.00	9.00	27.00	22.00	11.00	20.00
RANGE(MAX-MIN)	14.000	13.000	59.000	41.000	25.000	20.000
MEAN	13.938	14.813	54.125	41.063	21.938	28.375
STANDARD DEVIATION	3.549	3.619	16.041	12.385	6.148	6.397
N SIZE	16.000					

Part ID= J1-6 - C13 2ND RING CARBON

J1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	0.02	-0.50	-0.26	-0.25	0.01	-1.15
Broff, Andy	-0.83	0.05	-0.01	0.08	-0.64	1.19
Castillo, George	-0.26	-0.50	-0.63	1.69	-1.13	0.25
Chao, Qian	0.86	1.99	-1.44	-1.22	-0.64	0.41
DeCapite, Vanessa	0.30	-0.50	-0.01	-0.49	0.50	-0.37
Demel, Samuel	0.02	0.33	-1.69	-1.54	-0.48	-1.00
Dominguez, Lucio	0.30	0.88	0.49	-0.09	2.29	1.19
Hayden, Matthew	0.86	1.43	0.37	-0.41	-0.32	-0.53
Jiao, Deng	0.58	1.43	-1.25	-1.05	-0.48	0.41
Kobrinetz, Joaquin J.	0.02	-0.78	0.24	0.40	-0.48	-0.22
Liang, Chen	-2.24	-0.50	-0.63	-0.41	0.66	-0.53
Lonsway, Chris	0.30	-0.78	-0.13	0.56	0.99	-0.84
Pan, Yinliang	1.71	0.33	1.99	1.77	0.50	1.82
Rodriguez, Edward	-0.83	-1.05	1.24	-0.09	-0.32	-0.84
Sanchez, Arthur	0.86	-0.22	1.18	1.61	1.31	1.50
Stremlow, Mike	-1.67	-1.61	0.55	-0.57	-1.78	-1.31
MAXIMUM	-2.24	1.99	1.99	1.77	2.29	1.82
MINIMUM	0.02	0.05	-0.01	0.08	0.01	-0.22
RANGE(MAX-MIN)	-2.254	1.934	1.995	1.696	2.277	2.032
MEAN	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
N SIZE	16.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= K1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	24.00	58.00	48.00	14.00	36.00	19.00
Broff, Andy	30.00	92.00	78.00	21.00	74.00	31.00
Castillo, George	23.00	70.00	54.00	15.00	70.00	24.00
Chao, Qian	24.00	43.00	32.00	19.00	35.00	19.00
DeCapite, Vanessa	20.00	55.00	44.00	18.00	43.00	28.00
Dominguez, Lucio	28.00	56.00	51.00	26.00	56.00	30.00
Hayden, Matthew	23.00	60.00	38.00	16.00	35.00	19.00
Jiao, Deng	29.00	38.00	30.00	19.00	35.00	20.00
Kobrinetz, Joaquin J.	20.00	55.00	40.00	13.00	46.00	23.00
Liang, Chen	23.00	81.00	64.00	12.00	62.00	31.00
Lonsway, Chris	19.00	63.00	58.00	12.00	69.00	24.00
Pan, Yinliang	27.00	83.00	78.00	31.00	69.00	41.00
Rodriguez, Edward	22.00	70.00	61.00	30.00	66.00	27.00
Sanchez, Arthur	27.00	80.00	72.00	30.00	66.00	38.00
Stremlow, Mike	22.00	61.00	52.00	10.00	58.00	25.00
MAXIMUM	30.00	92.00	78.00	31.00	74.00	41.00
MINIMUM	19.00	38.00	30.00	10.00	35.00	19.00
RANGE(MAX-MIN)	11.000	54.000	48.000	21.000	39.000	22.000
MEAN	24.067	64.333	53.333	19.067	54.667	26.600
STANDARD DEVIATION	3.411	15.036	15.342	7.096	14.792	6.738
N SIZE	15.000					

Part ID= K1-6 - C13 2ND RING CARBON

K1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	-0.02	-0.42	-0.35	-0.71	-1.26	-1.13
Broff, Andy	1.74	1.84	1.61	0.27	1.31	0.65
Castillo, George	-0.31	0.38	0.04	-0.57	1.04	-0.39
Chao, Qian	-0.02	-1.42	-1.39	-0.01	-1.33	-1.13
DeCapite, Vanessa	-1.19	-0.62	-0.61	-0.15	-0.79	0.21
Dominguez, Lucio	1.15	-0.55	-0.15	0.98	0.09	0.50
Hayden, Matthew	-0.31	-0.29	-1.00	-0.43	-1.33	-1.13
Jiao, Deng	1.45	-1.75	-1.52	-0.01	-1.33	-0.98
Kobrinetz, Joaquin J.	-1.19	-0.62	-0.87	-0.85	-0.59	-0.53
Liang, Chen	-0.31	1.11	0.70	-1.00	0.50	0.65
Lonsway, Chris	-1.49	-0.09	0.30	-1.00	0.97	-0.39
Pan, Yinliang	0.86	1.24	1.61	1.68	0.97	2.14
Rodriguez, Edward	-0.61	0.38	0.50	1.54	0.77	0.06
Sanchez, Arthur	0.86	1.04	1.22	1.54	0.77	1.69
Stremlow, Mike	-0.61	-0.22	-0.09	-1.28	0.23	-0.24
MAXIMUM	1.74	1.84	1.61	1.68	-1.33	2.14
MINIMUM	-0.02	-0.09	0.04	-0.01	0.09	0.06
RANGE(MAX-MIN)	1.759	1.929	1.564	1.691	-1.420	2.078
MEAN	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
N SIZE	15.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= L1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	62.00	9.00	32.00	36.00	16.00	21.00
Broff, Andy	96.00	15.00	34.00	62.00	22.00	24.00
Castillo, George	88.00	15.00	51.00	53.00	19.00	31.00
Chao, Qian	42.00	16.00	36.00	33.00	24.00	19.00
DeCapite, Vanessa	73.00	18.00	40.00	44.00	24.00	28.00
Demel, Samuel	58.00	9.00	44.00	45.00	22.00	24.00
Foecking, Brian	56.00	13.00	42.00	42.00	22.00	24.00
Jiao, Deng	45.00	22.00	32.00	30.00	25.00	20.00
JUNJUN, ZHU	23.00	15.00	48.00	48.00	20.00	31.00
Kobrinetz, Joaquin J.	53.00	10.00	36.00	31.00	15.00	20.00
Lonsway, Chris	58.00	10.00	53.00	52.00	20.00	28.00
Pan, Yinliang	83.00	19.00	55.00	60.00	32.00	32.00
Price, Gregory	46.00	13.00	34.00	38.00	18.00	23.00
Rodriguez, Edward	69.00	11.00	61.00	46.00	21.00	27.00
Sanchez, Christopher	60.00	8.00	44.00	45.00	27.00	25.00
Trevino, Robert	76.00	12.00	50.00	55.00	21.00	31.00
MAXIMUM	96.00	22.00	61.00	62.00	32.00	32.00
MINIMUM	23.00	8.00	32.00	30.00	15.00	19.00
RANGE(MAX-MIN)	73.000	14.000	29.000	32.000	17.000	13.000
MEAN	61.750	13.438	43.250	45.000	21.750	25.500
STANDARD DEVIATION	18.721	3.999	9.015	9.805	4.171	4.351
N SIZE	16.000					

Part ID= L1-6 - C13 2ND RING CARBON

L1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	0.01	-1.11	-1.25	-0.92	-1.38	-1.03
Broff, Andy	1.83	0.39	-1.03	1.73	0.06	-0.34
Castillo, George	1.40	0.39	0.86	0.82	-0.66	1.26
Chao, Qian	-1.06	0.64	-0.80	-1.22	0.54	-1.49
DeCapite, Vanessa	0.60	1.14	-0.36	-0.10	0.54	0.57
Demel, Samuel	-0.20	-1.11	0.08	0.00	0.06	-0.34
Foecking, Brian	-0.31	-0.11	-0.14	-0.31	0.06	-0.34
Jiao, Deng	-0.89	2.14	-1.25	-1.53	0.78	-1.26
JUNJUN, ZHU	-2.07	0.39	0.53	0.31	-0.42	1.26
Kobrinetz, Joaquin J.	-0.47	-0.86	-0.80	-1.43	-1.62	-1.26
Lonsway, Chris	-0.20	-0.86	1.08	0.71	-0.42	0.57
Pan, Yinliang	1.14	1.39	1.30	1.53	2.46	1.49
Price, Gregory	-0.84	-0.11	-1.03	-0.71	-0.90	-0.57
Rodriguez, Edward	0.39	-0.61	1.97	0.10	-0.18	0.34
Sanchez, Christopher	-0.09	-1.36	0.08	0.00	1.26	-0.11
Trevino, Robert	0.76	-0.36	0.75	1.02	-0.18	1.26
MAXIMUM	-2.07	2.14	1.97	1.73	2.46	-1.49
MINIMUM	0.01	-0.11	0.08	0.00	0.06	-0.11
RANGE(MAX-MIN)	-2.083	2.250	1.886	1.734	2.397	-1.379
MEAN	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
N SIZE	16.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= M1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	43.00	57.00	18.00	12.00	32.00	29.00
Broff, Andy	64.00	88.00	35.00	20.00	40.00	45.00
Castillo, George	58.00	77.00	30.00	18.00	42.00	36.00
Chao, Qian	39.00	40.00	31.00	12.00	25.00	29.00
DeCapite, Vanessa	37.00	56.00	26.00	14.00	39.00	38.00
Demel, Samuel	51.00	65.00	30.00	16.00	44.00	44.00
Foecking, Brian	42.00	38.00	26.00	14.00	36.00	33.00
Jiao, Deng	38.00	38.00	30.00	16.00	28.00	28.00
JUNJUN, ZHU	58.00	64.00	23.00	19.00	35.00	31.00
Kobrinetz, Joaquin J.	46.00	53.00	20.00	15.00	42.00	36.00
Pan, Yinliang	60.00	79.00	40.00	28.00	55.00	50.00
Price, Gregory	38.00	52.00	20.00	14.00	33.00	36.00
Rodriguez, Edward	52.00	50.00	21.00	14.00	45.00	40.00
Sanchez, Christopher	53.00	68.00	28.00	20.00	43.00	44.00
Trevino, Robert	56.00	74.00	28.00	16.00	40.00	40.00
MAXIMUM	64.00	88.00	40.00	28.00	55.00	50.00
MINIMUM	37.00	38.00	18.00	12.00	25.00	28.00
RANGE(MAX-MIN)	27.000	50.000	22.000	16.000	30.000	22.000
MEAN	49.000	59.933	27.067	16.533	38.600	37.267
STANDARD DEVIATION	9.126	15.448	6.041	4.086	7.453	6.617
N SIZE	15.000					

Part ID= M1-6 - C13 2ND RING CARBON

M1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-0.66	-0.19	-1.50	-1.11	-0.89	-1.25
Broff, Andy	1.64	1.82	1.31	0.85	0.19	1.17
Castillo, George	0.99	1.10	0.49	0.36	0.46	-0.19
Chao, Qian	-1.10	-1.29	0.65	-1.11	-1.82	-1.25
DeCapite, Vanessa	-1.31	-0.25	-0.18	-0.62	0.05	0.11
Demel, Samuel	0.22	0.33	0.49	-0.13	0.72	1.02
Foecking, Brian	-0.77	-1.42	-0.18	-0.62	-0.35	-0.64
Jiao, Deng	-1.21	-1.42	0.49	-0.13	-1.42	-1.40
JUNJUN, ZHU	0.99	0.26	-0.67	0.60	-0.48	-0.95
Kobrinetz, Joaquin J.	-0.33	-0.45	-1.17	-0.38	0.46	-0.19
Pan, Yinliang	1.21	1.23	2.14	2.81	2.20	1.92
Price, Gregory	-1.21	-0.51	-1.17	-0.62	-0.75	-0.19
Rodriguez, Edward	0.33	-0.64	-1.00	-0.62	0.86	0.41
Sanchez, Christopher	0.44	0.52	0.15	0.85	0.59	1.02
Trevino, Robert	0.77	0.91	0.15	-0.13	0.19	0.41
MAXIMUM	1.64	1.82	2.14	2.81	2.20	1.92
MINIMUM	0.22	-0.19	0.15	-0.13	0.05	0.11
RANGE(MAX-MIN)	1.424	2.007	1.986	2.937	2.147	1.814
MEAN	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
N SIZE	15.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= N1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	17.00	56.00	16.00	25.00	43.00	48.00
Bolaney, Jonathan	19.00	45.00	16.00	32.00	42.00	36.00
Broff, Andy	15.00	60.00	14.00	32.00	51.00	56.00
Castillo, George	16.00	68.00	22.00	31.00	60.00	66.00
Demel, Samuel	15.00	51.00	25.00	30.00	52.00	59.00
Dominguez, Lucio	18.00	60.00	29.00	34.00	52.00	58.00
Foeking, Brian	16.00	57.00	16.00	31.00	46.00	52.00
Hayden, Matthew	20.00	41.00	18.00	30.00	38.00	44.00
JUNJUN, ZHU	16.00	65.00	24.00	33.00	48.00	64.00
Kobrinetz, Joaquin J.	16.00	53.00	20.00	26.00	43.00	46.00
Liang, Chen	19.00	68.00	24.00	42.00	53.00	59.00
Pan, Yinliang	30.00	65.00	32.00	46.00	62.00	67.00
Price, Gregory	20.00	44.00	19.00	30.00	39.00	49.00
Sanchez, Arthur	18.00	66.00	24.00	39.00	60.00	68.00
Sanchez, Christopher	16.00	50.00	22.00	29.00	52.00	59.00
Stremlow, Mike	15.00	52.00	16.00	26.00	52.00	56.00
Trevino, Robert	16.00	65.00	20.00	29.00	53.00	60.00
MAXIMUM	20.00	68.00	32.00	46.00	62.00	68.00
MINIMUM	15.00	41.00	14.00	25.00	38.00	36.00
RANGE(MAX-MIN)	5.000	27.000	18.000	21.000	24.000	32.000
MEAN	17.000	56.824	21.000	32.059	49.765	55.706
STANDARD DEVIATION	1.751	8.762	4.962	5.607	7.181	8.830
N SIZE	17.000					

Part ID= N1-6 - C13 2ND RING CARBON

N1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	0.00	-0.09	-1.01	-1.26	-0.94	-0.87
Bolaney, Jonathan	1.14	-1.35	-1.01	-0.01	-1.08	-2.23
Broff, Andy	-1.14	0.36	-1.41	-0.01	0.17	0.03
Castillo, George	-0.57	1.28	0.20	-0.19	1.43	1.17
Demel, Samuel	-1.14	-0.66	0.81	-0.37	0.31	0.37
Dominguez, Lucio	0.57	0.36	1.61	0.35	0.31	0.26
Foeking, Brian	-0.57	0.02	-1.01	-0.19	-0.52	-0.42
Hayden, Matthew	1.71	-1.81	-0.60	-0.37	-1.64	-1.33
JUNJUN, ZHU	-0.57	0.93	0.60	0.17	-0.25	0.94
Kobrinetz, Joaquin J.	-0.57	-0.44	-0.20	-1.08	-0.94	-1.10
Liang, Chen	1.14	1.28	0.60	1.77	0.45	0.37
Pan, Yinliang	7.42	0.93	2.22	2.49	1.70	1.28
Price, Gregory	1.71	-1.46	-0.40	-0.37	-1.50	-0.76
Sanchez, Arthur	0.57	1.05	0.60	1.24	1.43	1.39
Sanchez, Christopher	-0.57	-0.78	0.20	-0.55	0.31	0.37
Stremlow, Mike	-1.14	-0.55	-1.01	-1.08	0.31	0.03
Trevino, Robert	-0.57	0.93	-0.20	-0.55	0.45	0.49
MAXIMUM	1.71	-1.81	2.22	2.49	1.70	-2.23
MINIMUM	0.00	0.02	0.20	-0.01	0.17	0.03
RANGE(MAX-MIN)	1.713	-1.826	2.015	2.497	1.532	-2.265
MEAN	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
N SIZE	17.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= O1-6 - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	34.00	12.00	7.00	21.00	17.00	14.00
Broff, Andy	50.00	12.00	9.00	29.00	12.00	20.00
Castillo, George	48.00	20.00	5.00	22.00	19.00	18.00
Demel, Samuel	36.00	10.00	11.00	29.00	19.00	21.00
Dominguez, Lucio	49.00	10.00	12.00	31.00	32.00	28.00
Foecking, Brian	38.00	10.00	10.00	22.00	18.00	20.00
Hayden, Matthew	46.00	8.00	6.00	30.00	16.00	26.00
JUNJUN, ZHU	30.00	12.00	12.00	25.00	25.00	37.00
Kobrinetz, Joaquin J.	33.00	8.00	5.00	16.00	16.00	12.00
Liang, Chen	22.00	12.00	13.00	21.00	26.00	37.00
Price, Gregory	38.00	12.00	10.00	20.00	23.00	17.00
Sanchez, Arthur	49.00	11.00	11.00	29.00	28.00	30.00
Sanchez, Christopher	37.00	11.00	10.00	20.00	18.00	22.00
Stremlow, Mike	41.00	6.00	4.00	18.00	12.00	12.00
Trevino, Robert	46.00	9.00	6.00	23.00	19.00	19.00
MAXIMUM	50.00	20.00	13.00	31.00	32.00	37.00
MINIMUM	22.00	6.00	4.00	16.00	12.00	12.00
RANGE(MAX-MIN)	28.000	14.000	9.000	15.000	20.000	25.000
MEAN	39.800	10.867	8.733	23.733	20.000	22.200
STANDARD DEVIATION	8.196	3.114	2.963	4.773	5.720	7.966
N SIZE	15.000					

Part ID= O1-6 - C13 2ND RING CARBON

O1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	-0.71	0.36	-0.58	-0.57	-0.52	-1.03
Broff, Andy	1.24	0.36	0.09	1.10	-1.40	-0.28
Castillo, George	1.00	2.93	-1.26	-0.36	-0.17	-0.53
Demel, Samuel	-0.46	-0.28	0.76	1.10	-0.17	-0.15
Dominguez, Lucio	1.12	-0.28	1.10	1.52	2.10	0.73
Foecking, Brian	-0.22	-0.28	0.43	-0.36	-0.35	-0.28
Hayden, Matthew	0.76	-0.92	-0.92	1.31	-0.70	0.48
JUNJUN, ZHU	-1.20	0.36	1.10	0.27	0.87	1.86
Kobrinetz, Joaquin J.	-0.83	-0.92	-1.26	-1.62	-0.70	-1.28
Liang, Chen	-2.17	0.36	1.44	-0.57	1.05	1.86
Price, Gregory	-0.22	0.36	0.43	-0.78	0.52	-0.65
Sanchez, Arthur	1.12	0.04	0.76	1.10	1.40	0.98
Sanchez, Christopher	-0.34	0.04	0.43	-0.78	-0.35	-0.03
Stremlow, Mike	0.15	-1.56	-1.60	-1.20	-1.40	-1.28
Trevino, Robert	0.76	-0.60	-0.92	-0.15	-0.17	-0.40
MAXIMUM	-2.17	2.93	-1.60	-1.62	2.10	1.86
MINIMUM	0.15	0.04	0.09	-0.15	-0.17	-0.03
RANGE(MAX-MIN)	-2.318	2.891	-1.687	-1.467	2.273	1.883
MEAN	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
N SIZE	15.000					

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= ISMOP - ISM OIL PAN

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.65	
Barrera, Tony	9.67	
Bolaney, Jonathan	9.62	
Broff, Andy	9.60	
Cales, Jonathon	9.47	
Castillo, George	9.55	
Chao, Qian	9.62	
DeCapite, Vanessa	9.48	
Demel, Samuel	9.64	
Dominguez, Lucio	9.65	
Escobar, Wilmar	9.40	
Foecking, Brian	9.46	
Garcia, Orlando	9.41	
Hayden, Matthew	9.50	
Hills, Barry	9.50	
Jiao, Deng	9.65	
JUNJUN, ZHU	9.72	
Kobrinetz, Joaquin J.	9.41	
Liang, Chen	9.72	
Lonsway, Chris	9.50	
Lopez, Frank	9.58	
Pan, Yinliang	9.76	
Price, Gregory	9.43	
Rappmund, Scott	9.59	
Rodriguez, Edward	9.56	
Rodriguez, Jesus (Jesse)	9.69	
Sanchez, Arthur	9.67	
Sanchez, Christopher	9.65	
Stremlow, Mike	9.73	
Trevino, Robert	9.64	
Veiga, Victor	9.53	
Von Staden, Jon	9.72	
MAXIMUM	9.76	
MINIMUM	9.40	
RANGE(MAX-MIN)	0.360	
MEAN	9.587	
STANDARD DEVIATION	0.105	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= ISMOP - ISM OIL PAN

ISMOP Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.60	
Barrera, Tony	0.79	
Bolaney, Jonathan	0.32	
Broff, Andy	0.13	
Cales, Jonathon	-1.11	
Castillo, George	-0.35	
Chao, Qian	0.32	
DeCapite, Vanessa	-1.01	
Demel, Samuel	0.51	
Dominguez, Lucio	0.60	
Escobar, Wilmar	-1.77	
Foecking, Brian	-1.20	
Garcia, Orlando	-1.68	
Hayden, Matthew	-0.82	
Hills, Barry	-0.82	
Jiao, Deng	0.60	
JUNJUN, ZHU	1.27	
Kobrinetz, Joaquin J.	-1.68	
Liang, Chen	1.27	
Lonsway, Chris	-0.82	
Lopez, Frank	-0.06	
Pan, Yinliang	1.65	
Price, Gregory	-1.49	
Rappmund, Scott	0.03	
Rodriguez, Edward	-0.25	
Rodriguez, Jesus (Jesse)	0.98	
Sanchez, Arthur	0.79	
Sanchez, Christopher	0.60	
Stremlow, Mike	1.36	
Trevino, Robert	0.51	
Veiga, Victor	-0.54	
Von Staden, Jon	1.27	
MAXIMUM	-1.77	
MINIMUM	0.03	
RANGE(MAX-MIN)	-1.806	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= ISMRC - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.63	
Barrera, Tony	9.50	
Bolaney, Jonathan	9.46	
Broff, Andy	9.74	
Cales, Jonathon	9.43	
Castillo, George	9.39	
Chao, Qian	9.70	
DeCapite, Vanessa	9.60	
Demel, Samuel	9.33	
Dominguez, Lucio	9.50	
Escobar, Wilmar	8.92	
Foecking, Brian	9.63	
Garcia, Orlando	9.40	
Hayden, Matthew	9.45	
Hills, Barry	9.63	
Jiao, Deng	9.72	
JUNJUN, ZHU	9.53	
Kobrinetz, Joaquin J.	9.52	
Liang, Chen	9.66	
Lonsway, Chris	9.67	
Lopez, Frank	9.48	
Pan, Yinliang	9.64	
Price, Gregory	9.46	
Rappmund, Scott	9.68	
Rodriguez, Edward	9.53	
Sanchez, Arthur	9.63	
Sanchez, Christopher	9.43	
Stremlow, Mike	9.59	
Trevino, Robert	9.53	
Veiga, Victor	9.62	
Von Staden, Jon	9.55	
MAXIMUM	9.74	
MINIMUM	8.92	
RANGE(MAX-MIN)	0.820	
MEAN	9.534	
STANDARD DEVIATION	0.156	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= ISMRC - ISM ROCKER COVER

ISMRC Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.62	
Barrera, Tony	-0.22	
Bolaney, Jonathan	-0.47	
Broff, Andy	1.33	
Cales, Jonathon	-0.67	
Castillo, George	-0.92	
Chao, Qian	1.07	
DeCapite, Vanessa	0.43	
Demel, Samuel	-1.31	
Dominguez, Lucio	-0.22	
Escobar, Wilmar	-3.95	
Foecking, Brian	0.62	
Garcia, Orlando	-0.86	
Hayden, Matthew	-0.54	
Hills, Barry	0.62	
Jiao, Deng	1.20	
JUNJUN, ZHU	-0.02	
Kobrinetz, Joaquin J.	-0.09	
Liang, Chen	0.81	
Lonsway, Chris	0.88	
Lopez, Frank	-0.35	
Pan, Yinliang	0.68	
Price, Gregory	-0.47	
Rappmund, Scott	0.94	
Rodriguez, Edward	-0.02	
Sanchez, Arthur	0.62	
Sanchez, Christopher	-0.67	
Stremlow, Mike	0.36	
Trevino, Robert	-0.02	
Veiga, Victor	0.55	
Von Staden, Jon	0.10	
MAXIMUM	-3.95	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-3.921	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VOP - OIL PAN SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.27	
Barrera, Tony	9.10	
Bolaney, Jonathan	9.00	
Broff, Andy	9.09	
Cales, Jonathon	8.91	
Castillo, George	8.57	
Chao, Qian	9.49	
DeCapite, Vanessa	8.58	
Demel, Samuel	9.03	
Dominguez, Lucio	8.63	
Escobar, Wilmar	8.98	
Foecking, Brian	9.11	
Garcia, Orlando	8.98	
Hayden, Matthew	9.09	
Hills, Barry	9.18	
Jiao, Deng	9.34	
JUNJUN, ZHU	9.60	
Kobrinetz, Joaquin J.	9.04	
Liang, Chen	9.37	
Lonsway, Chris	8.72	
Lopez, Frank	9.17	
Pan, Yinliang	8.81	
Price, Gregory	9.07	
Rappmund, Scott	8.18	
Rodriguez, Edward	9.06	
Rodriguez, Jesus (Jesse)	8.43	
Sanchez, Arthur	8.43	
Sanchez, Christopher	9.21	
Stremlow, Mike	9.27	
Trevino, Robert	9.04	
Veiga, Victor	8.48	
Von Staden, Jon	9.01	
MAXIMUM	9.60	
MINIMUM	8.18	
RANGE(MAX-MIN)	1.420	
MEAN	8.976	
STANDARD DEVIATION	0.329	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VOP - OIL PAN SLUDGE

VOP YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.89	
Barrera, Tony	0.38	
Bolaney, Jonathan	0.07	
Broff, Andy	0.35	
Cales, Jonathon	-0.20	
Castillo, George	-1.24	
Chao, Qian	1.56	
DeCapite, Vanessa	-1.21	
Demel, Samuel	0.16	
Dominguez, Lucio	-1.05	
Escobar, Wilmar	0.01	
Foecking, Brian	0.41	
Garcia, Orlando	0.01	
Hayden, Matthew	0.35	
Hills, Barry	0.62	
Jiao, Deng	1.11	
JUNJUN, ZHU	1.90	
Kobrinetz, Joaquin J.	0.19	
Liang, Chen	1.20	
Lonsway, Chris	-0.78	
Lopez, Frank	0.59	
Pan, Yinliang	-0.51	
Price, Gregory	0.29	
Rappmund, Scott	-2.42	
Rodriguez, Edward	0.25	
Rodriguez, Jesus (Jesse)	-1.66	
Sanchez, Arthur	-1.66	
Sanchez, Christopher	0.71	
Stremlow, Mike	0.89	
Trevino, Robert	0.19	
Veiga, Victor	-1.51	
Von Staden, Jon	0.10	
MAXIMUM	-2.42	
MINIMUM	0.01	
RANGE(MAX-MIN)	-2.433	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VOPB - OIL PAN BFL SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.26	
Barrera, Tony	9.19	
Bolaney, Jonathan	9.17	
Broff, Andy	9.30	
Cales, Jonathon	9.25	
Castillo, George	9.02	
Chao, Qian	9.34	
DeCapite, Vanessa	9.08	
Demel, Samuel	9.27	
Dominguez, Lucio	9.07	
Escobar, Wilmar	8.77	
Foecking, Brian	9.24	
Garcia, Orlando	9.25	
Hayden, Matthew	9.26	
Hills, Barry	9.30	
Jiao, Deng	9.55	
JUNJUN, ZHU	9.63	
Kobrinetz, Joaquin J.	9.33	
Liang, Chen	9.36	
Lonsway, Chris	9.19	
Lopez, Frank	9.34	
Pan, Yinliang	9.21	
Price, Gregory	9.05	
Rappmund, Scott	8.56	
Rodriguez, Edward	9.22	
Rodriguez, Jesus (Jesse)	9.03	
Sanchez, Arthur	9.25	
Sanchez, Christopher	9.31	
Stremlow, Mike	9.22	
Trevino, Robert	9.30	
Veiga, Victor	9.26	
Von Staden, Jon	9.28	
MAXIMUM	9.63	
MINIMUM	8.56	
RANGE(MAX-MIN)	1.070	
MEAN	9.214	
STANDARD DEVIATION	0.194	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VOPB - OIL PAN BFL SLUDGE

VOPB YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.24	
Barrera, Tony	-0.13	
Bolaney, Jonathan	-0.23	
Broff, Andy	0.44	
Cales, Jonathon	0.18	
Castillo, George	-1.00	
Chao, Qian	0.65	
DeCapite, Vanessa	-0.69	
Demel, Samuel	0.29	
Dominguez, Lucio	-0.74	
Escobar, Wilmar	-2.29	
Foecking, Brian	0.13	
Garcia, Orlando	0.18	
Hayden, Matthew	0.24	
Hills, Barry	0.44	
Jiao, Deng	1.73	
JUNJUN, ZHU	2.14	
Kobrinetz, Joaquin J.	0.60	
Liang, Chen	0.75	
Lonsway, Chris	-0.13	
Lopez, Frank	0.65	
Pan, Yinliang	-0.02	
Price, Gregory	-0.85	
Rappmund, Scott	-3.37	
Rodriguez, Edward	0.03	
Rodriguez, Jesus (Jesse)	-0.95	
Sanchez, Arthur	0.18	
Sanchez, Christopher	0.49	
Stremlow, Mike	0.03	
Trevino, Robert	0.44	
Veiga, Victor	0.24	
Von Staden, Jon	0.34	
MAXIMUM	-3.37	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-3.350	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VRCBL - RC BFL SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.31	
Barrera, Tony	9.39	
Bolaney, Jonathan	9.36	
Broff, Andy	9.37	
Cales, Jonathon	9.34	
Castillo, George	9.27	
Chao, Qian	9.47	
DeCapite, Vanessa	9.06	
Demel, Samuel	9.43	
Dominguez, Lucio	9.25	
Escobar, Wilmar	9.38	
Foecking, Brian	9.34	
Garcia, Orlando	9.35	
Hayden, Matthew	9.25	
Hills, Barry	9.47	
Jiao, Deng	9.45	
JUNJUN, ZHU	9.43	
Kobrinetz, Joaquin J.	9.32	
Liang, Chen	9.43	
Lonsway, Chris	9.31	
Lopez, Frank	9.48	
Pan, Yinliang	9.66	
Price, Gregory	9.20	
Rappmund, Scott	9.47	
Rodriguez, Edward	9.43	
Rodriguez, Jesus (Jesse)	9.29	
Sanchez, Arthur	9.44	
Sanchez, Christopher	9.43	
Stremlow, Mike	9.45	
Trevino, Robert	9.47	
Veiga, Victor	9.37	
Von Staden, Jon	9.47	
MAXIMUM	9.66	
MINIMUM	9.06	
RANGE(MAX-MIN)	0.600	
MEAN	9.379	
STANDARD DEVIATION	0.108	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

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	-0.64	
Barrera, Tony	0.10	
Bolaney, Jonathan	-0.18	
Broff, Andy	-0.09	
Cales, Jonathon	-0.36	
Castillo, George	-1.01	
Chao, Qian	0.84	
DeCapite, Vanessa	-2.96	
Demel, Samuel	0.47	
Dominguez, Lucio	-1.20	
Escobar, Wilmar	0.01	
Foecking, Brian	-0.36	
Garcia, Orlando	-0.27	
Hayden, Matthew	-1.20	
Hills, Barry	0.84	
Jiao, Deng	0.65	
JUNJUN, ZHU	0.47	
Kobrinetz, Joaquin J.	-0.55	
Liang, Chen	0.47	
Lonsway, Chris	-0.64	
Lopez, Frank	0.93	
Pan, Yinliang	2.60	
Price, Gregory	-1.66	
Rappmund, Scott	0.84	
Rodriguez, Edward	0.47	
Rodriguez, Jesus (Jesse)	-0.83	
Sanchez, Arthur	0.56	
Sanchez, Christopher	0.47	
Stremlow, Mike	0.65	
Trevino, Robert	0.84	
Veiga, Victor	-0.09	
Von Staden, Jon	0.84	
MAXIMUM	-2.96	
MINIMUM	0.01	
RANGE(MAX-MIN)	-2.962	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VRCBR - RC BFL SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.48	
Barrera, Tony	9.58	
Bolaney, Jonathan	9.45	
Broff, Andy	9.47	
Cales, Jonathon	9.30	
Castillo, George	9.41	
Chao, Qian	9.65	
DeCapite, Vanessa	9.38	
Demel, Samuel	9.47	
Dominguez, Lucio	9.46	
Escobar, Wilmar	9.47	
Foecking, Brian	9.26	
Garcia, Orlando	9.44	
Hayden, Matthew	9.47	
Hills, Barry	9.50	
Jiao, Deng	9.55	
JUNJUN, ZHU	9.67	
Kobrinetz, Joaquin J.	9.60	
Liang, Chen	9.49	
Lonsway, Chris	9.47	
Lopez, Frank	9.56	
Pan, Yinliang	9.65	
Price, Gregory	9.43	
Rappmund, Scott	9.69	
Rodriguez, Edward	9.24	
Rodriguez, Jesus (Jesse)	9.56	
Sanchez, Arthur	9.62	
Sanchez, Christopher	9.47	
Stremlow, Mike	9.48	
Trevino, Robert	9.48	
Veiga, Victor	9.47	
Von Staden, Jon	9.49	
MAXIMUM	9.69	
MINIMUM	9.24	
RANGE(MAX-MIN)	0.450	
MEAN	9.491	
STANDARD DEVIATION	0.107	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

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	-0.10	
Barrera, Tony	0.83	
Bolaney, Jonathan	-0.38	
Broff, Andy	-0.20	
Cales, Jonathon	-1.78	
Castillo, George	-0.76	
Chao, Qian	1.48	
DeCapite, Vanessa	-1.04	
Demel, Samuel	-0.20	
Dominguez, Lucio	-0.29	
Escobar, Wilmar	-0.20	
Foecking, Brian	-2.16	
Garcia, Orlando	-0.48	
Hayden, Matthew	-0.20	
Hills, Barry	0.08	
Jiao, Deng	0.55	
JUNJUN, ZHU	1.67	
Kobrinetz, Joaquin J.	1.02	
Liang, Chen	-0.01	
Lonsway, Chris	-0.20	
Lopez, Frank	0.64	
Pan, Yinliang	1.48	
Price, Gregory	-0.57	
Rappmund, Scott	1.86	
Rodriguez, Edward	-2.34	
Rodriguez, Jesus (Jesse)	0.64	
Sanchez, Arthur	1.20	
Sanchez, Christopher	-0.20	
Stremlow, Mike	-0.10	
Trevino, Robert	-0.10	
Veiga, Victor	-0.20	
Von Staden, Jon	-0.01	
MAXIMUM	-2.34	
MINIMUM	-0.01	
RANGE(MAX-MIN)	-2.333	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VRCL - RC SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.33	
Barrera, Tony	9.47	
Bolaney, Jonathan	9.45	
Broff, Andy	9.50	
Cales, Jonathon	9.35	
Castillo, George	9.35	
Chao, Qian	9.69	
DeCapite, Vanessa	9.38	
Demel, Samuel	9.50	
Dominguez, Lucio	9.40	
Escobar, Wilmar	9.49	
Foecking, Brian	9.35	
Garcia, Orlando	9.33	
Hayden, Matthew	9.54	
Hills, Barry	9.57	
Jiao, Deng	9.59	
JUNJUN, ZHU	9.58	
Kobrinetz, Joaquin J.	9.49	
Liang, Chen	9.56	
Lonsway, Chris	9.30	
Lopez, Frank	9.49	
Pan, Yinliang	9.69	
Price, Gregory	9.34	
Rappmund, Scott	9.48	
Rodriguez, Edward	9.42	
Rodriguez, Jesus (Jesse)	9.43	
Sanchez, Arthur	9.53	
Sanchez, Christopher	9.50	
Stremlow, Mike	9.53	
Trevino, Robert	9.52	
Veiga, Victor	9.53	
Von Staden, Jon	9.68	
MAXIMUM	9.69	
MINIMUM	9.30	
RANGE(MAX-MIN)	0.390	
MEAN	9.480	
STANDARD DEVIATION	0.106	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VRCL - RC SLUDGE L

VRCL Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	-1.41	
Barrera, Tony	-0.09	
Bolaney, Jonathan	-0.28	
Broff, Andy	0.19	
Cales, Jonathon	-1.22	
Castillo, George	-1.22	
Chao, Qian	1.98	
DeCapite, Vanessa	-0.94	
Demel, Samuel	0.19	
Dominguez, Lucio	-0.75	
Escobar, Wilmar	0.09	
Foecking, Brian	-1.22	
Garcia, Orlando	-1.41	
Hayden, Matthew	0.56	
Hills, Barry	0.85	
Jiao, Deng	1.03	
JUNJUN, ZHU	0.94	
Kobrinetz, Joaquin J.	0.09	
Liang, Chen	0.75	
Lonsway, Chris	-1.69	
Lopez, Frank	0.09	
Pan, Yinliang	1.98	
Price, Gregory	-1.32	
Rappmund, Scott	0.00	
Rodriguez, Edward	-0.56	
Rodriguez, Jesus (Jesse)	-0.47	
Sanchez, Arthur	0.47	
Sanchez, Christopher	0.19	
Stremlow, Mike	0.47	
Trevino, Robert	0.38	
Veiga, Victor	0.47	
Von Staden, Jon	1.88	
MAXIMUM	1.98	
MINIMUM	0.00	
RANGE(MAX-MIN)	1.976	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VR CR - RC SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.29	
Barrera, Tony	9.45	
Bolaney, Jonathan	9.36	
Broff, Andy	9.28	
Cales, Jonathon	9.27	
Castillo, George	9.26	
Chao, Qian	9.46	
DeCapite, Vanessa	9.23	
Demel, Samuel	9.39	
Dominguez, Lucio	9.29	
Escobar, Wilmar	9.19	
Foecking, Brian	9.21	
Garcia, Orlando	9.25	
Hayden, Matthew	9.28	
Hills, Barry	9.37	
Jiao, Deng	9.57	
JUNJUN, ZHU	9.54	
Kobrinetz, Joaquin J.	9.37	
Liang, Chen	9.54	
Lonsway, Chris	9.22	
Lopez, Frank	9.40	
Pan, Yinliang	9.57	
Price, Gregory	9.26	
Rappmund, Scott	9.43	
Rodriguez, Edward	9.39	
Rodriguez, Jesus (Jesse)	9.35	
Sanchez, Arthur	9.31	
Sanchez, Christopher	9.47	
Stremlow, Mike	9.34	
Trevino, Robert	9.45	
Veiga, Victor	9.31	
Von Staden, Jon	9.50	
MAXIMUM	9.57	
MINIMUM	9.19	
RANGE(MAX-MIN)	0.380	
MEAN	9.363	
STANDARD DEVIATION	0.110	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VRRCR - RC SLUDGE R

VRRCR YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.66	
Barrera, Tony	0.80	
Bolaney, Jonathan	-0.02	
Broff, Andy	-0.75	
Cales, Jonathon	-0.84	
Castillo, George	-0.93	
Chao, Qian	0.89	
DeCapite, Vanessa	-1.20	
Demel, Samuel	0.25	
Dominguez, Lucio	-0.66	
Escobar, Wilmar	-1.57	
Foecking, Brian	-1.39	
Garcia, Orlando	-1.02	
Hayden, Matthew	-0.75	
Hills, Barry	0.07	
Jiao, Deng	1.89	
JUNJUN, ZHU	1.61	
Kobrinetz, Joaquin J.	0.07	
Liang, Chen	1.61	
Lonsway, Chris	-1.29	
Lopez, Frank	0.34	
Pan, Yinliang	1.89	
Price, Gregory	-0.93	
Rappmund, Scott	0.61	
Rodriguez, Edward	0.25	
Rodriguez, Jesus (Jesse)	-0.11	
Sanchez, Arthur	-0.48	
Sanchez, Christopher	0.98	
Stremlow, Mike	-0.20	
Trevino, Robert	0.80	
Veiga, Victor	-0.48	
Von Staden, Jon	1.25	
MAXIMUM	1.89	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.908	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VTCC - TC CVR SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.48	
Barrera, Tony	9.55	
Bolaney, Jonathan	9.44	
Broff, Andy	9.65	
Cales, Jonathon	9.47	
Castillo, George	9.38	
Chao, Qian	9.67	
DeCapite, Vanessa	9.48	
Demel, Samuel	9.50	
Dominguez, Lucio	9.51	
Escobar, Wilmar	9.42	
Foecking, Brian	9.44	
Garcia, Orlando	9.40	
Hayden, Matthew	9.55	
Hills, Barry	9.51	
JUNJUN, ZHU	9.46	
Kobrinetz, Joaquin J.	9.58	
Liang, Chen	9.51	
Lonsway, Chris	9.50	
Lopez, Frank	9.51	
Pan, Yinliang	9.73	
Price, Gregory	9.42	
Rappmund, Scott	9.60	
Rodriguez, Edward	9.52	
Rodriguez, Jesus (Jesse)	9.35	
Sanchez, Arthur	9.63	
Sanchez, Christopher	9.51	
Stremlow, Mike	9.66	
Trevino, Robert	9.47	
Veiga, Victor	9.47	
Von Staden, Jon	9.49	
MAXIMUM	9.73	
MINIMUM	9.35	
RANGE(MAX-MIN)	0.380	
MEAN	9.512	
STANDARD DEVIATION	0.100	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VTCC - TC CVR SLUDGE

VTCC Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.32	
Barrera, Tony	0.38	
Bolaney, Jonathan	-0.72	
Broff, Andy	1.38	
Cales, Jonathon	-0.42	
Castillo, George	-1.32	
Chao, Qian	1.58	
DeCapite, Vanessa	-0.32	
Demel, Samuel	-0.12	
Dominguez, Lucio	-0.02	
Escobar, Wilmar	-0.92	
Foecking, Brian	-0.72	
Garcia, Orlando	-1.12	
Hayden, Matthew	0.38	
Hills, Barry	-0.02	
JUNJUN, ZHU	-0.52	
Kobrinetz, Joaquin J.	0.68	
Liang, Chen	-0.02	
Lonsway, Chris	-0.12	
Lopez, Frank	-0.02	
Pan, Yinliang	2.18	
Price, Gregory	-0.92	
Rappmund, Scott	0.88	
Rodriguez, Edward	0.08	
Rodriguez, Jesus (Jesse)	-1.62	
Sanchez, Arthur	1.18	
Sanchez, Christopher	-0.02	
Stremlow, Mike	1.48	
Trevino, Robert	-0.42	
Veiga, Victor	-0.42	
Von Staden, Jon	-0.22	
MAXIMUM	2.18	
MINIMUM	-0.02	
RANGE(MAX-MIN)	2.200	
MEAN	0.000	
STANDARD DEVIATION	0.889	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VVDL - VALVE DECK SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.43	
Barrera, Tony	9.46	
Bolaney, Jonathan	9.39	
Broff, Andy	9.55	
Cales, Jonathon	9.42	
Castillo, George	9.30	
Chao, Qian	9.66	
DeCapite, Vanessa	9.47	
Demel, Samuel	9.42	
Dominguez, Lucio	9.08	
Escobar, Wilmar	9.49	
Foecking, Brian	9.43	
Garcia, Orlando	9.24	
Hayden, Matthew	9.46	
Hills, Barry	9.60	
JUNJUN, ZHU	9.49	
Kobrinetz, Joaquin J.	9.47	
Liang, Chen	9.54	
Lonsway, Chris	9.36	
Lopez, Frank	9.40	
Pan, Yinliang	9.66	
Price, Gregory	9.23	
Rappmund, Scott	9.33	
Rodriguez, Edward	9.47	
Rodriguez, Jesus (Jesse)	9.44	
Sanchez, Arthur	9.42	
Sanchez, Christopher	9.41	
Stremlow, Mike	9.51	
Trevino, Robert	9.30	
Veiga, Victor	9.63	
Von Staden, Jon	9.39	
MAXIMUM	9.66	
MINIMUM	9.08	
RANGE(MAX-MIN)	0.580	
MEAN	9.434	
STANDARD DEVIATION	0.126	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

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	-0.03	
Barrera, Tony	0.21	
Bolaney, Jonathan	-0.35	
Broff, Andy	0.92	
Cales, Jonathon	-0.11	
Castillo, George	-1.07	
Chao, Qian	1.80	
DeCapite, Vanessa	0.29	
Demel, Samuel	-0.11	
Dominguez, Lucio	-2.82	
Escobar, Wilmar	0.45	
Foecking, Brian	-0.03	
Garcia, Orlando	-1.54	
Hayden, Matthew	0.21	
Hills, Barry	1.32	
JUNJUN, ZHU	0.45	
Kobrinetz, Joaquin J.	0.29	
Liang, Chen	0.85	
Lonsway, Chris	-0.59	
Lopez, Frank	-0.27	
Pan, Yinliang	1.80	
Price, Gregory	-1.62	
Rappmund, Scott	-0.83	
Rodriguez, Edward	0.29	
Rodriguez, Jesus (Jesse)	0.05	
Sanchez, Arthur	-0.11	
Sanchez, Christopher	-0.19	
Stremlow, Mike	0.61	
Trevino, Robert	-1.07	
Veiga, Victor	1.56	
Von Staden, Jon	-0.35	
MAXIMUM	-2.82	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-2.787	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Part ID= VVDR - VALVE DECK SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.33	
Barrera, Tony	9.36	
Bolaney, Jonathan	9.30	
Broff, Andy	9.55	
Cales, Jonathon	9.28	
Castillo, George	9.06	
Chao, Qian	9.46	
DeCapite, Vanessa	9.16	
Demel, Samuel	9.35	
Dominguez, Lucio	9.03	
Escobar, Wilmar	9.26	
Foecking, Brian	9.27	
Garcia, Orlando	9.25	
Hayden, Matthew	9.17	
Hills, Barry	9.53	
JUNJUN, ZHU	9.73	
Kobrinetz, Joaquin J.	9.37	
Liang, Chen	9.54	
Lonsway, Chris	9.26	
Lopez, Frank	9.28	
Pan, Yinliang	9.52	
Price, Gregory	9.15	
Rappmund, Scott	9.22	
Rodriguez, Edward	9.27	
Rodriguez, Jesus (Jesse)	9.37	
Sanchez, Arthur	9.43	
Sanchez, Christopher	9.35	
Stremlow, Mike	9.50	
Trevino, Robert	9.28	
Veiga, Victor	9.64	
Von Staden, Jon	9.48	
MAXIMUM	9.73	
MINIMUM	9.03	
RANGE(MAX-MIN)	0.700	
MEAN	9.347	
STANDARD DEVIATION	0.163	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

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	-0.10	
Barrera, Tony	0.08	
Bolaney, Jonathan	-0.29	
Broff, Andy	1.25	
Cales, Jonathon	-0.41	
Castillo, George	-1.76	
Chao, Qian	0.70	
DeCapite, Vanessa	-1.15	
Demel, Samuel	0.02	
Dominguez, Lucio	-1.95	
Escobar, Wilmar	-0.53	
Foecking, Brian	-0.47	
Garcia, Orlando	-0.60	
Hayden, Matthew	-1.09	
Hills, Barry	1.13	
JUNJUN, ZHU	2.36	
Kobrinetz, Joaquin J.	0.14	
Liang, Chen	1.19	
Lonsway, Chris	-0.53	
Lopez, Frank	-0.41	
Pan, Yinliang	1.07	
Price, Gregory	-1.21	
Rappmund, Scott	-0.78	
Rodriguez, Edward	-0.47	
Rodriguez, Jesus (Jesse)	0.14	
Sanchez, Arthur	0.51	
Sanchez, Christopher	0.02	
Stremlow, Mike	0.94	
Trevino, Robert	-0.41	
Veiga, Victor	1.80	
Von Staden, Jon	0.82	
MAXIMUM	2.36	
MINIMUM	0.02	
RANGE(MAX-MIN)	2.338	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	31.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Aguirre, Nancy P

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	2.14	-0.40	-1.11	0.09	-1.56	-0.26	-2.10	-0.85	-0.57	0.00			
A2-KEYSTONE	0.09	-0.46	-0.92	-0.12	-1.12	-0.53	-0.72	-0.92	-0.95	0.00			
A3-KEYSTONE	0.50	-1.72	-0.74	1.69	-1.18	-0.60	-0.04	-1.51	-0.51	0.00			
A4-C13-STYLE	0.48	-1.11	0.16		0.07	-0.65	-1.17	-0.63	-1.76	0.13	0.14	-0.09	
A5-C13-STYLE	-0.90	0.37	-0.96		0.85	-0.95	-0.76	-1.17	-0.72	1.53	0.50	-1.50	
A6-C13-STYLE	-0.82	-0.46	-0.31		-0.81	-1.44	1.26	-1.13	-1.05	-0.45	-0.70	-0.48	
A7-DV4 PISTON													
B1-KEYSTONE	-0.01	0.17	-1.27	-0.31	-0.35	0.85	-0.44	-1.16	-0.46	0.00			
B2-KEYSTONE	0.79	0.64	-0.42	-0.40	-1.77	-0.44	-1.07	-0.79	0.29	0.00			
B3-KEYSTONE	0.03	0.01	-0.41	0.49	-1.81	-1.37	-0.62	-0.96	-1.06	0.00			
B4-C13-STYLE	0.64	-0.08	-0.36		-0.50	-1.04	-0.59	0.07	-1.35	0.33	-0.79	-0.99	
B5-C13-STYLE	-0.06	-0.94	-1.07		0.04	-0.99	-0.06	-0.97	-0.50	-0.76	-0.07	-1.34	
B6-C13-STYLE	-0.13	-1.05	-0.38		-0.24	-1.28	-0.53	0.13	-0.94	-0.84	-1.16	-0.51	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.14	-1.72	-1.27	1.69	-1.81	-1.44	-2.10	-1.51	-1.76	1.53	-1.16	-1.50	
MINIMUM	-0.01	0.01	0.16	0.09	0.04	-0.26	-0.04	0.07	0.29	0.00	-0.07	-0.09	
RANGE(MAX-MIN)	2.150	-1.730	-1.430	1.600	-1.850	-1.180	-2.060	-1.580	-2.050	1.530	-1.090	-1.410	
MEAN	0.229	-0.419	-0.649	0.240	-0.698	-0.725	-0.570	-0.824	-0.798	-0.005	-0.347	-0.818	
STANDARD DEVIATION	0.796	0.690	0.425	0.778	0.823	0.625	0.793	0.486	0.516	0.599	0.635	0.549	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Arrizon, Richard

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.01	-0.73	-0.46	-0.60	-0.44	0.25	0.31	-0.85	0.19	0.00			
A2-KEYSTONE	1.42	-0.56	-0.96	-0.56	-0.67	1.06	-0.17	-0.66	-0.17	0.00			
A3-KEYSTONE	-0.79	1.31	-0.11	0.66	-1.02	0.17	-0.24	-0.87	1.73	0.00			
A4-C13-STYLE	0.36	-0.89	0.35		-0.33	0.25	-0.74	0.23	-1.76	-1.04	0.14	1.01	
A5-C13-STYLE													
A6-C13-STYLE	0.91	1.63	1.57		-0.24	0.31	0.22	0.50	-1.05	0.36	-0.70	-0.48	
A7-DV4 PISTON	-0.82	-1.09	-0.35			-0.35	-0.48						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.42	1.63	1.57	0.66	-1.02	1.06	-0.74	-0.87	-1.76	-1.04	-0.70	1.01	
MINIMUM	0.36	-0.56	-0.11	-0.56	-0.24	0.17	-0.17	0.23	-0.17	0.00	0.14	-0.48	
RANGE(MAX-MIN)	1.060	2.190	1.680	1.220	-0.780	0.890	-0.570	-1.100	-1.590	-1.040	-0.840	1.490	
MEAN	0.348	-0.055	0.007	-0.167	-0.540	0.282	-0.183	-0.330	-0.212	-0.136	-0.700	-0.480	
STANDARD DEVIATION	0.955	1.198	0.878	0.716	0.313	0.452	0.402	0.647	1.326	0.529	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Barrera, Tony

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.58	-1.04	0.10	-1.36	-0.25	-0.09	-1.52	0.10	-0.50	0.00			
B2-KEYSTONE	0.02	-1.14	-0.72	-0.74	0.58	0.50	-0.61	0.99	-0.86	0.00			
B3-KEYSTONE	-0.82	-1.05	-0.52	-1.21	0.50	-0.43	-0.49	-0.05	0.66	0.00			
B4-C13-STYLE	-2.30	1.51	0.86		0.84	1.07	1.49	-1.60	8.24	0.33	1.35	-0.40	
B5-C13-STYLE	-2.05	2.04	1.64		1.89	0.41	0.81	-1.69	1.76	1.99	-0.07	0.24	
B6-C13-STYLE	0.01	2.01	1.95		1.22	0.16	0.52	1.14	1.89	1.05	0.91	0.57	
B7-DV4 PISTON	0.79	1.24	-0.32			0.03	-1.17						
C1-KEYSTONE	0.06	-1.79	-0.79	-0.93	-0.15	1.98	-0.23	1.06	-1.14	0.00			
C2-KEYSTONE	-0.96	1.78	-1.11	-1.42	-0.95	0.00	-0.39	-0.21	1.76	0.00			
C3-KEYSTONE	0.28	-0.21	-0.22	0.20	0.23	0.03	-0.96	1.37	-0.86	0.00			
C4-C13-STYLE	1.06	-1.07	2.22		0.67	0.52	-0.53	0.42	0.33	0.17	0.77	0.03	
C5-C13-STYLE	0.68	1.69	0.62		1.13	0.65	1.33	0.57	1.79	0.00	0.90	-0.14	
C6-C13-STYLE	-1.62	1.14	0.10		1.70	0.73	-0.77	-0.95	0.00	1.18	1.73	-0.61	
C7-DV4 PISTON	11.24	0.77	-0.16			0.42	0.72						
MAXIMUM	11.24	2.04	2.22	-1.42	1.89	1.98	-1.52	-1.69	8.24	1.99	1.73	-0.61	
MINIMUM	0.01	-0.21	0.10	0.20	-0.15	0.00	-0.23	-0.05	0.00	0.00	-0.07	0.03	
RANGE(MAX-MIN)	11.230	2.250	2.120	-1.620	2.040	1.980	-1.290	-1.640	8.240	1.990	1.800	-0.640	
MEAN	-0.418	0.420	0.261	-0.910	0.618	0.427	-0.129	0.096	0.439	0.393	0.932	-0.052	
STANDARD DEVIATION	1.083	1.396	1.054	0.602	0.822	0.592	0.940	1.046	1.201	0.656	0.607	0.429	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Bolaney, Jonathan

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	-0.18	-0.70	-0.35			-0.47	-0.48						
B1-KEYSTONE													
B2-KEYSTONE	-0.92	-0.73	-1.12	-0.81	-0.69	0.33	-0.87	-0.79	1.06	0.00			
B3-KEYSTONE	-0.53	0.65	-1.53	-0.01	-0.79	1.83	0.03	-0.05	-0.90	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	0.11	-0.26	-1.06			-0.43	-1.17						
C1-KEYSTONE	-0.03	0.06	-0.53	-0.52	-0.89	0.49	-0.11	-0.24	-0.11	0.00			
C2-KEYSTONE	-0.96	1.48	-1.15	-1.25	0.52	-0.14	0.07	-1.04	-0.74	0.00			
C3-KEYSTONE	1.41	2.05	-2.79	0.85	-0.93	-0.81	1.58	-1.01	-1.34	0.00			
C4-C13-STYLE													
C5-C13-STYLE	-1.29	0.55	0.49		1.69	0.52	-0.69	-0.02	-0.11	0.00	-1.40	-1.19	
C6-C13-STYLE	-0.01	1.12	-0.44		1.71	0.99	-0.84	0.01	0.00	1.18	-0.63	-1.25	
C7-DV4 PISTON	0.04	-0.72	-0.49			-0.30	1.19						
MAXIMUM	1.41	2.05	-2.79	-1.25	1.71	1.83	1.58	-1.04	-1.34	1.18	-1.40	-1.25	
MINIMUM	-0.01	0.06	-0.35	-0.01	0.52	-0.14	0.03	0.01	0.00	0.00	-0.63	-1.19	
RANGE(MAX-MIN)	1.420	1.990	-2.440	-1.240	1.190	1.970	1.550	-1.050	-1.340	1.180	-0.770	-0.060	
MEAN	-0.236	0.350	-0.897	-0.348	0.089	0.201	-0.129	-0.449	-0.306	0.000	-1.400	-1.250	
STANDARD DEVIATION	0.759	0.987	0.873	0.807	1.208	0.797	0.901	0.479	0.780	0.100	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Broff, Andy

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.34	-0.58	-0.75	0.09	-0.30	1.33	0.65	-1.71	0.49	0.00			
A2-KEYSTONE	0.07	-0.74	0.29	-0.26	-1.29	-0.05	-0.44	0.37	1.13	0.00			
A3-KEYSTONE	-0.43	0.15	-0.11	-0.43	-0.18	0.09	0.43	0.61	-0.13	0.00			
A4-C13-STYLE	1.97	-0.27	1.28		1.76	0.05	-0.39	-0.80	0.50	3.04	0.84	0.46	
A5-C13-STYLE	-0.79	-0.70	-0.09		-0.18	-0.15	-1.14	0.15	-0.72	1.53	0.50	0.31	
A6-C13-STYLE	0.11	0.08	-1.00		0.26	-0.08	-1.34	-0.01	0.84	0.36	-0.70	-0.21	
A7-DV4 PISTON	0.46	-1.63	-1.35			-1.97	-1.48						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.01	0.14	-1.13	-1.17	-0.36	-0.26	0.59	-1.11	-0.11	0.00			
C2-KEYSTONE	-0.14	0.07	-1.47	1.33	-1.74	-0.03	-0.48	0.34	0.30	0.00			
C3-KEYSTONE	-1.52	-0.33	0.64	-1.19	2.15	-0.14	0.66	-0.06	0.03	0.00			
C4-C13-STYLE	1.52	0.21	0.01		0.20	-0.01	-0.11	-0.04	0.33	0.17	1.58	0.03	
C5-C13-STYLE	0.08	-0.02	-0.01		-0.01	-1.00	-0.69	-0.02	-0.11	0.00	0.90	1.88	
C6-C13-STYLE	0.05	0.06	1.19		1.12	-0.08	-0.84	0.01	0.00	1.18	-0.63	-0.12	
C7-DV4 PISTON	-0.11	0.08	-1.28			-1.01	0.09						
MAXIMUM	1.97	-1.63	-1.47	1.33	2.15	-1.97	-1.48	-1.71	1.13	3.04	1.58	1.88	
MINIMUM	-0.01	-0.02	0.01	0.09	-0.01	-0.01	0.09	-0.01	0.00	0.00	0.50	0.03	
RANGE(MAX-MIN)	1.980	-1.610	-1.480	1.240	2.160	-1.960	-1.570	-1.700	1.130	3.040	1.080	1.850	
MEAN	0.066	-0.249	-0.270	-0.272	0.119	-0.236	-0.321	-0.189	0.213	0.523	0.415	0.392	
STANDARD DEVIATION	0.861	0.516	0.920	0.935	1.124	0.735	0.735	0.676	0.495	0.946	0.907	0.772	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Cales, Jonathon

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	-0.82	-0.77	-0.85			-0.75	-0.48						
B1-KEYSTONE	1.70	-0.86	0.54	1.11	0.57	-0.06	-0.07	0.22	-0.41	0.00			
B2-KEYSTONE	0.79	0.00	0.19	0.14	-0.65	-1.03	0.07	1.34	0.75	0.00			
B3-KEYSTONE	0.19	-1.28	-1.00	-0.01	0.30	0.49	0.07	1.54	0.81	0.00			
B4-C13-STYLE	0.46	-0.17	-0.02		-0.39	-0.37	0.54	0.15	-0.15	0.33	0.18	2.29	
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	1.47	-0.61	-0.95			1.70	-1.17						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.70	-1.28	-1.00	1.11	-0.65	1.70	-1.17	1.54	0.81	0.33	0.18	2.29	
MINIMUM	0.19	0.00	-0.02	-0.01	0.30	-0.06	-0.07	0.15	-0.15	0.00	0.18	2.29	
RANGE(MAX-MIN)	1.510	-1.280	-0.980	1.120	-0.950	1.760	-1.100	1.390	0.960	0.330	0.000	0.000	
MEAN	0.632	-0.615	-0.348	0.413	-0.043	-0.003	-0.173	0.813	0.250	0.000	0.000	0.000	
STANDARD DEVIATION	0.917	0.470	0.667	0.608	0.572	0.989	0.587	0.730	0.622	0.100	0.100	0.100	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Castillo, George

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.11	-0.40	-0.42	0.41	1.42	-0.75	0.52	-0.85	1.25	0.00			
A2-KEYSTONE	-0.11	2.15	1.12	2.49	0.60	-0.18	0.45	0.63	0.09	0.00			
A3-KEYSTONE	-0.64	1.25	-0.30	0.18	1.18	-0.85	-0.26	0.19	0.38	0.00			
A4-C13-STYLE	1.12	-1.29	-0.58		-0.63	0.24	-0.13	1.49	0.50	0.13	0.14	-0.09	
A5-C13-STYLE	1.61	-1.63	-0.02		-1.74	-0.45	-1.54	1.71	1.21	-0.44	0.50	0.67	
A6-C13-STYLE	1.88	1.22	-1.00		-0.37	-0.06	-1.34	1.62	0.84	1.98	-0.70	1.95	
A7-DV4 PISTON	-1.46	0.04	0.55			-1.34	0.52						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-2.45	0.43	2.12	1.07	2.19	-0.26	1.23	-0.24	1.10	0.00			
C2-KEYSTONE	-0.16	0.34	1.95	1.74	-0.05	-0.17	1.48	0.34	0.93	0.00			
C3-KEYSTONE	1.41	-1.34	0.19	1.59	1.90	-1.06	-0.20	-1.01	1.75	0.00			
C4-C13-STYLE	0.74	-1.44	-0.45		-0.98	-1.43	-1.44	-0.04	1.83	-0.60	-1.11	0.50	
C5-C13-STYLE	0.07	-0.80	-1.27		-1.39	-0.67	-0.69	-0.42	0.84	0.00	-1.40	0.83	
C6-C13-STYLE	1.33	-1.39	-1.39		-0.96	-0.16	-0.84	1.45	0.00	0.47	-0.63	1.48	
C7-DV4 PISTON	-0.63	0.12	-0.64			-0.01	0.27						
MAXIMUM	-2.45	2.15	2.12	2.49	2.19	-1.43	-1.54	1.71	1.83	1.98	-1.40	1.95	
MINIMUM	0.07	0.04	-0.02	0.18	-0.05	-0.01	-0.13	-0.04	0.00	0.00	0.14	-0.09	
RANGE(MAX-MIN)	-2.520	2.110	2.140	2.310	2.240	-1.420	-1.410	1.750	1.830	1.980	-1.540	2.040	
MEAN	0.186	-0.196	-0.010	1.247	0.098	-0.511	-0.141	0.406	0.893	-0.040	-0.533	0.890	
STANDARD DEVIATION	1.246	1.189	1.097	0.869	1.329	0.516	0.952	0.973	0.584	0.278	0.727	0.726	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Chao, Qian

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.22	-0.97	6.54	0.80	-0.23	23.98	26.16	0.98	-0.80	0.00			
B2-KEYSTONE	0.02	-1.14	-0.32	-0.13	1.05	10.66	1.05	0.28	-1.40	0.00			
B3-KEYSTONE	-1.14	-0.06	-0.57	0.69	13.47	-1.18	0.94	-0.50	-0.43	0.00			
B4-C13-STYLE	-3.16	3.35	-0.45		-3.54	-1.75	-2.34	-2.95	2.25	-2.67	0.92	1.09	
B5-C13-STYLE	-0.79	3.34	-0.10		-1.48	2.92	-1.02	-2.10	8.57	-0.76	14.93	0.38	
B6-C13-STYLE	-3.02	0.15	1.95		0.02	4.33	-0.80	-2.99	4.01	-0.84	0.15	2.26	
B7-DV4 PISTON	-4.28	-0.45	-1.63			1.14	-0.51						
C1-KEYSTONE	-3.18	-1.82	0.68	-1.31	0.42	42.18	1.78	0.63	-2.17	0.00			
C2-KEYSTONE	-3.42	0.43	0.07	-1.13	0.99	7.76	2.55	-6.27	-0.12	0.00			
C3-KEYSTONE	-0.85	-1.34	-0.80	-0.92	5.05	6.91	1.79	-0.54	-1.96	0.00			
C4-C13-STYLE	-4.54	-1.07	4.13		0.14	9.24	-1.46	-4.64	0.33	0.55	0.23	1.67	
C5-C13-STYLE	-1.07	-3.31	-0.26		-1.57	22.45	-0.29	-6.35	-0.11	0.00	-0.48	0.25	
C6-C13-STYLE	-3.08	0.67	-0.57		1.81	2.56	-0.04	-4.55	10.00	4.01	-0.58	-2.05	
C7-DV4 PISTON	-1.63	-2.96	2.75			-3.57	-2.77						
MAXIMUM	-4.54	3.35	6.54	-1.31	13.47	42.18	26.16	-6.35	10.00	4.01	14.93	2.26	
MINIMUM	0.02	-0.06	0.07	-0.13	0.02	1.14	-0.04	0.28	-0.11	0.00	0.15	0.25	
RANGE(MAX-MIN)	-4.560	3.410	6.470	-1.180	13.450	41.040	26.200	-6.630	10.110	4.010	14.780	2.010	
MEAN	-2.066	-0.370	0.816	-0.333	1.344	9.116	-0.086	-2.417	1.514	0.024	0.048	0.600	
STANDARD DEVIATION	1.699	1.952	2.265	0.928	4.349	12.570	1.635	2.625	4.029	1.501	0.608	1.506	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= DeCapite, Vanessa

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.45	-0.37	0.52	-0.76	-0.16	-0.15	0.98	-0.85	-0.88	0.00			
A2-KEYSTONE	-1.03	-0.46	0.21	-1.03	-0.41	0.36	1.42	-1.18	-0.95	0.00			
A3-KEYSTONE	1.53	0.21	1.61	1.14	-0.66	2.14	1.97	1.25	-0.19	0.00			
A4-C13-STYLE	-1.11	1.77	1.28		1.70	1.63	-0.40	-1.14	0.50	1.88	0.14	-1.47	
A5-C13-STYLE	-1.21	0.80	0.77		0.19	-0.67	1.40	-0.67	1.21	-0.44	0.50	0.67	
A6-C13-STYLE	-0.79	1.76	0.91		0.87	1.24	0.67	-0.01	0.84	0.36	1.46	0.87	
A7-DV4 PISTON	0.46	-0.86	-0.85			1.15	-0.98						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	1.05	-0.56	0.34	-0.38	-0.26	-0.26	0.35	0.63	-1.23	0.00			
C2-KEYSTONE	0.61	-0.72	0.05	-0.02	-1.64	2.19	-1.16	0.75	-0.74	0.00			
C3-KEYSTONE	1.41	0.92	1.02	0.07	-0.50	1.11	1.58	1.37	-1.41	0.00			
C4-C13-STYLE	-1.62	1.53	-0.45		0.57	1.90	0.34	-0.96	-1.17	0.94	-0.03	0.85	
C5-C13-STYLE	-0.63	-0.05	1.12		0.78	1.96	-0.69	-0.81	-0.11	0.00	0.90	0.77	
C6-C13-STYLE	1.42	-0.21	1.19		0.65	2.31	0.02	0.01	0.00	1.18	-0.63	-1.09	
C7-DV4 PISTON	-0.04	-0.47	19.88			1.09	0.91						
MAXIMUM	-1.62	1.77	19.88	1.14	1.70	2.31	1.97	1.37	-1.41	1.88	1.46	-1.47	
MINIMUM	-0.04	-0.05	0.05	-0.02	-0.16	-0.15	0.02	-0.01	0.00	0.00	-0.03	0.67	
RANGE(MAX-MIN)	-1.580	1.820	19.830	1.160	1.860	2.460	1.950	1.380	-1.410	1.880	1.490	-2.140	
MEAN	0.036	0.235	0.594	-0.163	0.094	1.143	0.458	-0.134	-0.344	0.327	0.390	0.100	
STANDARD DEVIATION	1.096	0.941	0.715	0.765	0.883	0.980	0.994	0.935	0.860	0.664	0.734	1.078	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Demel, Samuel

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.67	-1.75	-0.17	0.14	-0.11	0.27	-0.39	0.19	-1.98	0.00			
C2-KEYSTONE	-0.46	-1.98	-0.04	-0.23	0.49	1.79	0.32	-0.21	-1.16	0.00			
C3-KEYSTONE	0.69	0.35	1.06	0.77	-1.99	-0.09	0.31	-0.06	-0.65	0.00			
C4-C13-STYLE	-0.11	-0.56	-0.56		-0.54	1.31	-0.62	0.42	0.33	-0.21	-0.03	0.97	
C5-C13-STYLE	1.17	-0.23	-0.08		-0.31	1.26	-0.55	-0.42	-0.11	0.00	-1.05	0.31	
C6-C13-STYLE	-0.15	-1.01	0.81		-0.06	0.07	0.04	0.01	0.00	1.18	-0.11	0.68	
C7-DV4 PISTON													
MAXIMUM	1.17	-1.98	1.06	0.77	-1.99	1.79	-0.62	0.42	-1.98	1.18	-1.05	0.97	
MINIMUM	-0.11	-0.23	-0.04	0.14	-0.06	0.07	0.04	0.01	0.00	0.00	-0.03	0.31	
RANGE(MAX-MIN)	1.280	-1.750	1.100	0.630	-1.930	1.720	-0.660	0.410	-1.980	1.180	-1.020	0.660	
MEAN	0.078	-0.863	0.170	0.227	-0.420	0.768	-0.148	-0.012	-0.595	-0.042	-0.397	0.653	
STANDARD DEVIATION	0.708	0.897	0.626	0.506	0.842	0.781	0.426	0.295	0.859	0.100	0.567	0.331	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Dominguez, Lucio

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.11	-0.37	0.33	0.94	-0.60	1.60	-0.03	0.85	-0.73	0.00			
A2-KEYSTONE	-0.93	-0.46	-0.24	0.35	-0.98	0.76	-0.02	-0.14	-0.95	0.00			
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	-0.18	0.44	0.75			-0.33	-0.48						
B1-KEYSTONE													
B2-KEYSTONE	0.02	-1.14	0.14	0.28	-1.01	0.10	-0.76	0.28	-1.33	0.00			
B3-KEYSTONE													
B4-C13-STYLE	0.64	1.22	-1.00		-0.64	1.93	0.23	-0.96	-0.15	0.33	-0.79	-1.89	
B5-C13-STYLE	-0.75	0.95	1.60		-0.18	1.67	0.36	-1.07	1.76	-0.76	-0.07	0.38	
B6-C13-STYLE	-0.50	1.47	0.71		0.59	-0.36	1.12	-0.45	0.47	-0.84	0.43	-1.59	
B7-DV4 PISTON													
C1-KEYSTONE	-0.76	-1.76	0.65	-0.62	-1.48	-0.46	0.73	0.19	-0.11	0.00			
C2-KEYSTONE	-0.16	0.86	-0.15	-0.51	-1.85	-0.02	-0.82	-1.73	-0.32	0.00			
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-0.93	-1.76	1.60	0.94	-1.85	1.93	1.12	-1.73	1.76	-0.84	-0.79	-1.89	
MINIMUM	0.02	-0.37	0.14	0.28	-0.18	-0.02	-0.02	-0.14	-0.11	0.00	-0.07	0.38	
RANGE(MAX-MIN)	-0.950	-1.390	1.460	0.660	-1.670	1.950	1.140	-1.590	1.870	-0.840	-0.720	-2.270	
MEAN	-0.303	0.134	0.310	0.088	-0.769	0.543	0.037	-0.379	-0.170	-0.159	-0.143	-1.033	
STANDARD DEVIATION	0.488	1.122	0.741	0.650	0.757	0.965	0.656	0.843	0.958	0.412	0.613	1.233	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Escobar, Wilmar

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.32	-0.86	0.78	1.66	-0.82	-0.66	1.07	-1.04	-1.54	0.00			
B2-KEYSTONE	-0.28	-0.46	0.83	0.42	0.78	-0.88	0.82	-0.08	-0.83	0.00			
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE	0.76	0.58	-0.69		-0.90	0.58	-1.36	0.88	1.76	0.61	-0.47	-0.48	
B6-C13-STYLE	1.18	-0.37	1.17		0.01	1.31	-0.21	-0.16	1.18	1.05	-0.06	-0.05	
B7-DV4 PISTON	0.11	0.56	1.44			-0.89	-1.17						
C1-KEYSTONE	-1.08	1.51	1.59	0.17	-1.56	-1.00	1.45	-1.11	-0.11	0.00			
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.32	1.51	1.59	1.66	-1.56	1.31	1.45	-1.11	1.76	1.05	-0.47	-0.48	
MINIMUM	0.11	-0.37	-0.69	0.17	0.01	0.58	-0.21	-0.08	-0.11	0.00	-0.06	-0.05	
RANGE(MAX-MIN)	1.210	1.880	2.280	1.490	-1.570	0.730	1.660	-1.030	1.870	1.050	-0.410	-0.430	
MEAN	0.335	0.160	0.853	0.750	-0.498	-0.257	0.100	-0.302	0.092	0.332	-0.470	-0.480	
STANDARD DEVIATION	0.927	0.879	0.822	0.798	0.906	0.965	1.194	0.816	1.371	0.480	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Foecking, Brian

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.20	2.38	0.22	1.54	0.52	0.58	0.72	1.61	1.36	0.00			
B2-KEYSTONE	-2.47	1.55	0.32	0.69	0.22	0.37	-0.04	-0.79	1.18	0.00			
B3-KEYSTONE	0.10	-0.03	-0.46	-0.01	-0.16	0.47	-1.36	-0.05	1.59	0.00			
B4-C13-STYLE	-0.18	0.77	1.99		0.16	0.11	1.61	1.42	-0.15	0.33	-0.63	-0.10	
B5-C13-STYLE	-0.01	-0.37	-0.47		-0.08	0.47	-0.15	0.88	-0.50	0.61	0.53	-0.19	
B6-C13-STYLE	1.39	0.58	0.98		0.13	1.10	1.17	0.71	-0.94	-0.84	0.49	-0.21	
B7-DV4 PISTON	-1.92	-0.63	-1.74			1.28	-0.77						
C1-KEYSTONE	0.06	1.00	-0.26	1.53	-0.19	0.49	1.27	-1.11	1.01	0.00			
C2-KEYSTONE	0.26	-0.84	0.10	0.06	0.59	-0.05	0.53	0.61	0.72	0.00			
C3-KEYSTONE	-0.85	1.48	1.79	0.98	-0.68	-0.71	0.08	-1.01	-0.51	0.00			
C4-C13-STYLE	-0.72	0.60	-1.02		0.98	-0.54	2.22	0.60	-1.17	1.32	0.50	-1.62	
C5-C13-STYLE	-0.98	0.81	0.59		0.23	-0.34	1.33	0.37	-1.05	0.00	1.06	-0.01	
C6-C13-STYLE	-0.61	0.08	-0.60		-0.59	-0.60	-0.19	1.33	0.00	-0.94	-0.49	-0.77	
C7-DV4 PISTON	-0.13	0.47	1.95			1.09	-1.28						
MAXIMUM	-2.47	2.38	1.99	1.54	0.98	1.28	2.22	1.61	1.59	1.32	1.06	-1.62	
MINIMUM	-0.01	-0.03	0.10	-0.01	-0.08	-0.05	-0.04	-0.05	0.00	0.00	0.49	-0.01	
RANGE(MAX-MIN)	-2.460	2.410	1.890	1.550	1.060	1.330	2.260	1.660	1.590	1.320	0.570	-1.610	
MEAN	-0.447	0.561	0.242	0.798	0.094	0.266	0.367	0.381	0.128	0.040	0.243	-0.483	
STANDARD DEVIATION	0.947	0.889	1.128	0.682	0.476	0.650	1.086	0.937	1.000	0.587	0.660	0.617	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Garcia, Orlando

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.45	-0.37	0.40	4.40	-1.66	-0.57	1.49	2.98	1.86	0.00			
A2-KEYSTONE	-0.52	-0.46	0.06	1.10	-1.49	2.25	-3.65	1.66	1.39	0.00			
A3-KEYSTONE	-1.30	-1.62	0.71	0.93	-1.61	1.40	0.27	0.83	-1.54	0.00			
A4-C13-STYLE	0.33	0.29	1.81		2.91	1.41	-0.97	0.40	0.50	2.46	0.14	2.11	
A5-C13-STYLE	0.05	-2.19	2.33		-0.88	-1.78	1.75	1.62	-0.72	-0.44	0.50	0.55	
A6-C13-STYLE	0.68	1.06	1.10		2.64	0.19	0.18	0.80	0.84	4.40	-0.10	1.14	
A7-DV4 PISTON	-1.86	-1.68	2.75			-0.39	0.12						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.72	-0.55	0.68	0.44	-0.30	1.77	0.46	0.19	-1.51	0.00			
C2-KEYSTONE	-0.08	-0.99	0.59	1.74	-1.49	1.34	1.31	0.34	4.05	0.00			
C3-KEYSTONE	-0.85	0.92	2.59	1.81	-2.97	0.16	1.00	2.80	-0.86	0.00			
C4-C13-STYLE	-0.08	-1.51	2.03		0.66	1.32	-0.57	1.16	3.33	1.71	1.44	0.73	
C5-C13-STYLE	0.16	-1.04	-1.57		-0.25	0.97	-0.59	2.55	2.74	0.00	0.44	0.77	
C6-C13-STYLE	0.74	-0.49	-1.80		0.27	-0.81	2.68	0.49	0.00	0.47	0.79	0.84	
C7-DV4 PISTON	1.34	-0.07	-0.61			0.09	-2.17						
MAXIMUM	-1.86	-2.19	2.75	4.40	-2.97	2.25	-3.65	2.98	4.05	4.40	1.44	2.11	
MINIMUM	0.05	-0.07	0.06	0.44	-0.25	0.09	0.12	0.19	0.00	0.00	-0.10	0.55	
RANGE(MAX-MIN)	-1.910	-2.120	2.690	3.960	-2.720	2.160	-3.770	2.790	4.050	4.400	1.540	1.560	
MEAN	-0.016	-0.621	0.791	1.737	-0.348	0.525	0.094	1.318	0.840	0.717	0.535	1.023	
STANDARD DEVIATION	0.869	0.966	1.444	1.403	1.759	1.148	1.642	0.999	1.878	1.433	0.539	0.566	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hayden, Matthew

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.68	-0.61	-0.20	-0.66	1.44	1.02	0.94	0.85	-0.88	0.00			
A2-KEYSTONE	-0.01	-0.46	-1.04	-0.48	2.26	-1.90	0.40	0.37	-0.17	0.00			
A3-KEYSTONE	-0.53	0.43	-0.57	0.25	1.96	0.85	-0.40	0.40	1.67	0.00			
A4-C13-STYLE	-0.98	0.73	-0.10		0.93	-1.13	-0.92	0.40	0.50	0.71	0.14	-0.37	
A5-C13-STYLE	-1.06	0.94	0.66		0.18	-1.05	-0.37	0.72	49.51	-0.44	0.50	1.15	
A6-C13-STYLE	-1.29	0.45	1.26		0.67	-0.66	0.96	-1.24	-1.05	-0.45	1.27	-0.21	
A7-DV4 PISTON	1.10	0.59	0.05			1.18	0.52						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.39	0.38	-1.44	-1.01	-1.12	-0.26	-1.55	0.63	-0.30	0.00			
C2-KEYSTONE	1.42	-0.10	-0.73	0.02	1.80	-1.24	-0.63	1.16	-0.74	0.00			
C3-KEYSTONE													
C4-C13-STYLE	-0.03	0.37	-0.07		1.61	-0.29	0.02	0.33	0.33	1.32	0.91	-0.56	
C5-C13-STYLE	-1.77	-0.10	1.16		0.91	-0.79	-0.59	0.57	0.84	0.00	0.29	-2.36	
C6-C13-STYLE	-0.28	1.97	1.57		0.66	-0.47	-0.38	-0.11	0.00	-0.94	-0.41	-0.12	
C7-DV4 PISTON	-0.64	0.22	-0.76			-1.49	0.93						
MAXIMUM	-1.77	1.97	1.57	-1.01	2.26	-1.90	-1.55	-1.24	49.51	1.32	1.27	-2.36	
MINIMUM	-0.01	-0.10	0.05	0.02	0.18	-0.26	0.02	-0.11	0.00	0.00	0.14	-0.12	
RANGE(MAX-MIN)	-1.760	2.070	1.520	-1.030	2.080	-1.640	-1.570	-1.130	49.510	1.320	1.130	-2.240	
MEAN	-0.335	0.370	-0.016	-0.376	1.027	-0.479	-0.082	0.371	0.020	0.018	0.450	-0.412	
STANDARD DEVIATION	0.914	0.657	0.934	0.510	0.955	0.973	0.788	0.625	0.843	0.594	0.591	1.130	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hills, Barry

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.58	-0.94	-0.94	0.49	1.92	2.02	1.96	-0.66	-1.28	0.00			
B2-KEYSTONE	0.02	-1.14	-0.73	0.42	0.02	2.02	1.46	-0.79	-1.48	0.00			
B3-KEYSTONE	-0.58	-0.73	-0.46	0.09	0.24	1.86	2.19	-0.28	-1.21	0.00			
B4-C13-STYLE	-0.01	-0.84	0.32		0.79	0.53	0.25	0.55	-0.15	0.33	1.21	1.99	
B5-C13-STYLE	-0.32	-0.22	1.30		-0.37	1.78	1.91	-0.15	-0.50	-0.76	-0.07	0.81	
B6-C13-STYLE	-1.67	0.47	0.58		-1.17	0.33	0.87	-0.74	0.47	-0.84	1.47	1.03	
B7-DV4 PISTON	0.11	-0.62	0.13			1.13	-0.51						
C1-KEYSTONE	-0.27	1.50	0.20	1.26	-0.44	8.68	0.89	-1.98	-0.77	0.00			
C2-KEYSTONE	-1.62	0.75	1.06	1.29	0.14	0.43	1.48	-1.87	-0.53	0.00			
C3-KEYSTONE	-0.85	0.35	-0.58	-1.72	0.30	1.74	0.01	-1.01	0.86	0.00			
C4-C13-STYLE	-1.00	-0.68	0.70		-0.49	1.06	0.08	-1.88	0.33	-0.21	1.58	0.97	
C5-C13-STYLE	0.33	0.97	0.11		-0.57	0.50	1.33	-1.80	-0.11	0.00	0.90	-0.28	
C6-C13-STYLE	-0.83	-0.76	0.64		0.97	-1.18	2.03	-1.43	0.00	1.18	1.73	-0.28	
C7-DV4 PISTON	2.16	-2.21	0.71			0.25	0.72						
MAXIMUM	2.16	-2.21	1.30	-1.72	1.92	8.68	2.19	-1.98	-1.48	1.18	1.73	1.99	
MINIMUM	-0.01	-0.22	0.11	0.09	0.02	0.25	0.01	-0.15	0.00	0.00	-0.07	-0.28	
RANGE(MAX-MIN)	2.170	-1.990	1.190	-1.810	1.900	8.430	2.180	-1.830	-1.480	1.180	1.800	2.270	
MEAN	-0.365	-0.293	0.217	0.305	0.112	0.959	1.048	-1.003	-0.364	-0.025	1.137	0.707	
STANDARD DEVIATION	0.944	0.987	0.681	1.102	0.828	0.937	0.856	0.808	0.734	0.506	0.660	0.869	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hodgson, Joshua

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF		
A1-KEYSTONE	2.14	-0.69	-1.04	-1.83	-2.04	-0.84	-1.72	2.56	0.95	0.00				
A2-KEYSTONE	-0.32	-0.58	-1.23	-0.26	-0.96	-0.55	-0.85	1.92	1.91	0.00				
A3-KEYSTONE														
A4-C13-STYLE	-0.32	-1.07	-0.38		-1.69	-0.56	-0.76	0.00	-0.63	-1.62	0.14	-0.09		
A5-C13-STYLE														
A6-C13-STYLE														
A7-DV4 PISTON														
B1-KEYSTONE	-0.19	-1.20	-0.82	-2.77	-1.34	0.79	-0.04	1.11	0.02	0.00				
B2-KEYSTONE	0.79	-0.64	-0.96	-1.43	-0.10	-0.81	-1.31	0.28	0.21	0.00				
B3-KEYSTONE	0.26	-1.54	-1.10	-1.51	-1.71	0.01	-1.66	2.67	0.66	0.00				
B4-C13-STYLE														
B5-C13-STYLE														
B6-C13-STYLE														
B7-DV4 PISTON														
C1-KEYSTONE														
C2-KEYSTONE														
C3-KEYSTONE														
C4-C13-STYLE														
C5-C13-STYLE														
C6-C13-STYLE														
C7-DV4 PISTON														
MAXIMUM	2.14	-1.54	-1.23	-2.77	-2.04	-0.84	-1.72	2.67	1.91	-1.62	0.14	-0.09		
MINIMUM	-0.19	-0.58	-0.38	-0.26	-0.10	0.01	-0.04	0.00	0.02	0.00	0.14	-0.09		
RANGE(MAX-MIN)	2.330	-0.960	-0.850	-2.510	-1.940	-0.850	-1.680	2.670	1.890	-1.620	0.000	0.000		
MEAN	0.393	-0.953	-0.922	-1.560	-1.307	-0.327	-1.057	1.423	0.520	-0.270	0.000	0.000		
STANDARD DEVIATION	0.957	0.381	0.299	0.901	0.696	0.626	0.638	1.142	0.872	0.661	0.100	0.100		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Jiao, Deng

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE	2.87	-0.84	-0.30	3.58	-2.59	1.38	3.98	1.02	2.38	0.00			
C3-KEYSTONE													
C4-C13-STYLE	2.47	-2.34	1.66		-1.46	4.79	-1.86	-1.88	-1.17	-1.37	-1.44	1.67	
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.87	-2.34	1.66	3.58	-2.59	4.79	3.98	-1.88	2.38	-1.37	-1.44	1.67	
MINIMUM	2.47	-0.84	-0.30	3.58	-1.46	1.38	-1.86	1.02	-1.17	0.00	-1.44	1.67	
RANGE(MAX-MIN)	0.400	-1.500	1.960	0.000	-1.130	3.410	5.840	-2.900	3.550	-1.370	0.000	0.000	
MEAN	2.470	-2.340	-0.300	0.000	-2.590	1.380	-1.860	-1.880	-1.170	-1.370	0.000	0.000	
STANDARD DEVIATION	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= JUNJUN, ZHU

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.11	-0.01	-0.30	0.20	-0.65	1.96	0.01	-0.85	-1.18	0.00			
A2-KEYSTONE	0.09	0.41	-0.32	0.16	-0.48	1.35	1.45	1.92	-0.69	0.00			
A3-KEYSTONE	21.35	1.51	-0.11	-0.16	-1.93	-0.04	-1.04	1.04	0.71	0.00			
A4-C13-STYLE	0.29	0.65	0.75		0.34	0.20	1.67	-0.17	0.50	0.71	0.14	-0.92	
A5-C13-STYLE	0.72	-1.11	1.33		0.50	-0.51	1.52	0.15	-0.72	1.53	1.98	0.07	
A6-C13-STYLE	0.85	0.44	1.06		0.54	3.54	1.01	0.09	0.84	0.36	1.03	-0.21	
A7-DV4 PISTON	1.10	0.28	0.15			1.75	0.82						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	29.10	1.66	-0.09	0.88	-1.63	3.05	1.42	0.63	-0.02	0.00			
C2-KEYSTONE	-2.09	-0.41	-1.22	1.25	-1.47	1.59	0.56	-6.27	-0.32	0.00			
C3-KEYSTONE	114.23	3.18	0.06	0.63	2.80	2.15	2.03	-1.01	-1.48	0.00			
C4-C13-STYLE	-0.17	-0.70	0.52		0.86	2.25	-1.68	-5.01	-1.17	2.48	-1.11	-1.27	
C5-C13-STYLE	3.89	-0.18	1.02		0.70	6.41	1.33	1.16	2.74	0.00	0.90	0.05	
C6-C13-STYLE	0.53	0.55	0.97		-0.07	5.38	4.68	-4.79	20.00	1.18	-0.63	2.44	
C7-DV4 PISTON	2.09	-0.92	6.78			-0.64	2.06						
MAXIMUM	114.23	3.18	6.78	1.25	2.80	6.41	4.68	-6.27	20.00	2.48	1.98	2.44	
MINIMUM	0.09	-0.01	0.06	0.16	-0.07	-0.04	0.01	0.09	-0.02	0.00	0.14	0.05	
RANGE(MAX-MIN)	114.140	3.190	6.720	1.090	2.870	6.450	4.670	-6.360	20.020	2.480	1.840	2.390	
MEAN	4.434	0.382	0.294	0.493	-0.041	2.031	1.131	-1.093	-0.072	0.522	0.385	0.027	
STANDARD DEVIATION	9.460	1.145	0.725	0.522	1.311	2.071	1.500	2.719	1.223	0.812	1.145	1.301	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.45	0.65	-0.47	-0.28	0.29	-1.24	-0.32	0.43	1.71	0.00			
A2-KEYSTONE	-0.21	-0.67	-1.11	-0.34	0.04	0.33	1.16	0.63	1.91	0.00			
A3-KEYSTONE	-0.02	0.43	-0.52	-1.19	-0.12	-0.05	1.05	0.19	0.26	0.00			
A4-C13-STYLE	0.68	-0.51	-1.28		-0.91	-0.91	-0.10	0.52	0.50	-1.62	-1.16	0.46	
A5-C13-STYLE	0.07	-0.34	-1.00		0.70	0.29	-0.19	0.80	-0.72	-1.42	-1.76	0.31	
A6-C13-STYLE	0.11	-0.66	-1.52		0.70	0.49	-0.73	0.19	0.84	-0.45	-0.69	0.60	
A7-DV4 PISTON	0.46	-0.18	0.35			-0.12	-0.28						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.06	0.31	-0.33	-0.43	0.94	-1.00	-0.41	0.63	1.19	0.00			
C2-KEYSTONE	-0.23	-0.68	-0.82	-0.97	0.71	-0.10	-0.99	-0.35	0.51	0.00			
C3-KEYSTONE	-0.85	-0.21	-0.10	-0.20	0.37	0.13	1.25	0.42	0.31	0.00			
C4-C13-STYLE	1.19	1.00	-0.87		-0.16	-0.60	0.27	0.70	0.33	-0.60	-1.10	0.73	
C5-C13-STYLE	0.16	-0.11	0.09		0.09	0.08	-0.69	-0.22	-1.05	0.00	-0.82	0.70	
C6-C13-STYLE	0.66	-0.43	-1.05		-0.55	-0.17	-0.77	0.13	0.00	-0.94	-0.62	1.00	
C7-DV4 PISTON	-0.71	1.02	-0.35			0.11	-0.99						
MAXIMUM	1.19	1.02	-1.52	-1.19	0.94	-1.24	1.25	0.80	1.91	-1.62	-1.76	1.00	
MINIMUM	-0.02	-0.11	0.09	-0.20	0.04	-0.05	-0.10	0.13	0.00	0.00	-0.62	0.31	
RANGE(MAX-MIN)	1.210	1.130	-1.610	-0.990	0.900	-1.190	1.350	0.670	1.910	-1.620	-1.140	0.690	
MEAN	0.130	-0.027	-0.641	-0.568	0.175	-0.197	-0.124	0.339	0.483	-0.419	-1.025	0.633	
STANDARD DEVIATION	0.545	0.603	0.542	0.409	0.556	0.534	0.776	0.361	0.869	0.601	0.420	0.238	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Liang, Chen

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.11	-0.15	-0.40	-0.44	-1.17	2.04	1.24	-0.85	-1.64	0.00			
A2-KEYSTONE	-0.11	0.41	-0.66	-0.59	-0.48	1.35	1.60	1.40	3.73	0.00			
A3-KEYSTONE	0.76	-0.24	0.11	-2.83	-1.37	1.30	0.16	0.61	0.26	0.00			
A4-C13-STYLE	2.54	0.28	-0.05		0.27	0.46	-0.13	0.52	0.50	0.71	0.14	-0.37	
A5-C13-STYLE	-1.40	-3.04	-0.96		-0.83	-0.07	0.95	-0.18	-0.72	0.55	0.50	0.43	
A6-C13-STYLE	1.19	-1.14	-1.76		0.86	2.92	-1.82	-0.22	0.84	1.17	-0.70	0.33	
A7-DV4 PISTON	3.01	0.67	1.55			0.68	1.12						
B1-KEYSTONE	0.84	0.48	1.70	-1.17	-0.61	0.31	1.85	0.98	-0.15	0.00			
B2-KEYSTONE	0.02	-1.14	-0.18	-0.68	-1.40	-0.93	0.38	-0.79	-1.48	0.00			
B3-KEYSTONE	0.20	-0.19	-0.68	-0.41	-1.87	0.18	2.02	-0.96	-1.21	0.00			
B4-C13-STYLE	0.90	-0.10	0.86		-1.92	0.69	1.64	-0.17	-0.15	0.33	1.35	-3.98	
B5-C13-STYLE	1.09	-0.44	1.51		-1.84	-0.48	0.77	0.98	4.03	-0.76	-0.07	-3.20	
B6-C13-STYLE	-1.94	-0.49	2.62		-0.51	0.69	1.17	-0.09	-0.24	-0.84	0.43	-0.51	
B7-DV4 PISTON	0.79	-0.28	1.38			-0.63	-0.71						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	3.01	-3.04	2.62	-2.83	-1.92	2.92	2.02	1.40	4.03	1.17	1.35	-3.98	
MINIMUM	0.02	-0.10	-0.05	-0.41	0.27	-0.07	-0.13	-0.09	-0.15	0.00	-0.07	0.33	
RANGE(MAX-MIN)	2.990	-2.940	2.670	-2.420	-2.190	2.990	2.150	1.490	4.180	1.170	1.420	-4.310	
MEAN	0.556	-0.384	0.360	-1.020	-0.906	0.608	0.731	0.103	0.314	0.097	0.275	-1.217	
STANDARD DEVIATION	1.310	0.934	1.252	0.928	0.868	1.048	1.071	0.785	1.833	0.560	0.681	1.892	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lonsway, Chris

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.68	-1.26	-0.15	1.74	-0.38	-0.68	0.23	0.00	-0.12	0.00			
A2-KEYSTONE	-0.42	-0.46	-0.85	-0.56	-0.57	-1.00	-0.83	1.15	0.35	0.00			
A3-KEYSTONE	-1.30	0.60	0.38	-0.84	-0.71	-0.91	-0.07	-0.02	0.38	0.00			
A4-C13-STYLE	-0.81	-0.27	0.62		-0.09	0.29	0.25	0.63	0.50	0.13	0.14	-0.09	
A5-C13-STYLE	0.22	-1.59	0.01		-0.49	2.04	1.41	0.15	-0.72	-0.44	-1.76	-0.78	
A6-C13-STYLE	-0.52	0.39	0.98		-0.04	0.64	0.67	1.01	0.84	1.17	1.25	-0.21	
A7-DV4 PISTON	0.46	-1.18	-0.35			-0.21	-0.48						
B1-KEYSTONE	-1.15	-0.23	0.99	-1.11	-0.57	-1.09	0.66	-0.41	0.50	0.00			
B2-KEYSTONE	0.02	1.37	-1.05	-1.70	-0.16	-0.85	-1.20	-0.43	1.02	0.00			
B3-KEYSTONE	-0.15	-0.55	-1.53	-1.31	0.26	-0.28	-0.58	0.18	-0.28	0.00			
B4-C13-STYLE	0.33	0.30	-0.23		-0.51	0.25	-0.84	-0.25	-0.15	0.33	-0.79	-0.70	
B5-C13-STYLE	-0.38	-0.60	0.17		-0.80	-1.01	0.54	-0.56	-0.50	-0.76	-0.07	-1.19	
B6-C13-STYLE	1.02	0.32	-0.38		1.07	0.20	0.66	0.35	-0.94	1.05	0.43	-0.98	
B7-DV4 PISTON	0.79	-0.96	0.08			-0.59	1.45						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.30	-1.59	-1.53	1.74	1.07	2.04	1.45	1.15	1.02	1.17	-1.76	-1.19	
MINIMUM	0.02	-0.23	0.01	-0.56	-0.04	0.20	-0.07	0.00	-0.12	0.00	-0.07	-0.09	
RANGE(MAX-MIN)	-1.320	-1.360	-1.540	2.300	1.110	1.840	1.520	1.150	1.140	1.170	-1.690	-1.100	
MEAN	-0.184	-0.294	-0.094	-0.630	-0.249	-0.229	0.134	0.150	0.073	0.123	-0.133	-0.658	
STANDARD DEVIATION	0.697	0.823	0.728	1.225	0.517	0.865	0.831	0.554	0.619	0.538	1.038	0.431	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lopez, Frank

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-1.24	0.32	-0.17	0.73	0.38	-0.70	0.23	2.13	0.34	0.00			
A2-KEYSTONE	-0.83	-0.46	0.25	0.10	0.19	0.84	-0.15	1.15	1.13	0.00			
A3-KEYSTONE	-0.79	0.21	-0.64	-0.91	0.28	-0.62	-0.63	1.25	-0.13	0.00			
A4-C13-STYLE	-1.14	-0.30	-1.37		0.97	1.32	0.35	-0.69	-1.76	0.13	0.14	1.56	
A5-C13-STYLE	-0.44	0.10	-0.96		1.41	-0.50	-0.34	-0.26	1.21	1.53	0.50	0.31	
A6-C13-STYLE	0.18	-0.86	0.33		0.58	0.78	0.01	-0.42	-1.05	-0.45	-0.70	-1.02	
A7-DV4 PISTON													
B1-KEYSTONE	-0.39	-0.46	0.07	1.11	1.10	-1.09	-0.47	0.48	-0.41	0.00			
B2-KEYSTONE	0.02	-0.23	0.38	0.01	1.76	-0.78	0.89	2.05	0.10	0.00			
B3-KEYSTONE	-0.72	2.22	0.07	0.99	1.98	-0.40	-0.14	1.54	0.66	0.00			
B4-C13-STYLE	-0.66	0.31	-1.32		1.36	-1.26	-0.89	-0.33	-0.15	0.33	-0.79	-0.70	
B5-C13-STYLE	-0.06	0.06	-1.18		1.28	-0.02	-1.02	0.57	-0.50	-0.76	-0.07	-0.33	
B6-C13-STYLE	0.71	-0.30	-1.20		1.10	-1.39	-0.23	0.20	1.18	1.05	-1.44	0.57	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.24	2.22	-1.37	1.11	1.98	-1.39	-1.02	2.13	-1.76	1.53	-1.44	1.56	
MINIMUM	0.02	0.06	0.07	0.01	0.19	-0.02	0.01	0.20	0.10	0.00	-0.07	0.31	
RANGE(MAX-MIN)	-1.260	2.160	-1.440	1.100	1.790	-1.370	-1.030	1.930	-1.860	1.530	-1.370	1.250	
MEAN	-0.447	-0.146	-0.478	0.338	1.033	-0.318	-0.199	0.639	0.052	0.153	-0.393	0.065	
STANDARD DEVIATION	0.572	0.376	0.700	0.761	0.577	0.876	0.535	0.978	0.920	0.608	0.712	0.945	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pan, Yinliang

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.70	3.33	5.39	-1.66	0.31	4.23	1.80	1.23	1.19	0.00			
B2-KEYSTONE	-0.68	2.33	2.46	-0.13	-2.26	0.23	3.23	-0.43	1.64	0.00			
B3-KEYSTONE	-0.26	1.77	-1.48	-1.71	-1.77	-0.46	-0.66	1.54	1.13	0.00			
B4-C13-STYLE	3.75	-0.66	-0.67		-1.32	1.95	1.00	2.22	2.25	-2.67	-0.89	6.46	
B5-C13-STYLE													
B6-C13-STYLE	2.26	0.26	0.64		0.36	2.71	0.06	1.94	1.89	-0.84	0.15	2.57	
B7-DV4 PISTON	1.47	4.17	4.40			-0.30	-1.76						
C1-KEYSTONE	0.06	1.38	-1.95	-0.93	-3.72	3.47	-0.66	-2.42	1.56	0.00			
C2-KEYSTONE	1.99	-0.47	-1.18	-1.70	-2.55	2.56	-0.78	0.75	0.72	0.00			
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE	2.09	0.17	0.67		-0.11	-0.03	1.23	0.57	-0.11	0.00	0.67	1.03	
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	3.75	4.17	5.39	-1.71	-3.72	4.23	3.23	-2.42	2.25	-2.67	-0.89	6.46	
MINIMUM	0.06	0.17	0.64	-0.13	-0.11	-0.03	0.06	-0.43	-0.11	0.00	0.15	1.03	
RANGE(MAX-MIN)	3.690	4.000	4.750	-1.580	-3.610	4.260	3.170	-1.990	2.360	-2.670	-1.040	5.430	
MEAN	1.376	1.364	0.920	-1.226	-1.383	1.596	0.384	0.675	1.284	-0.439	-0.023	3.353	
STANDARD DEVIATION	1.417	1.693	2.635	0.696	1.477	1.770	1.559	1.505	0.737	0.948	0.794	2.798	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pitta, Jimmy

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.68	-1.14	-0.47	-0.66	-1.51	-1.15	1.20	0.00	0.64	0.00			
A2-KEYSTONE	-0.42	-0.46	-1.11	-0.62	-0.63	-1.14	-0.17	0.11	1.13	0.00			
A3-KEYSTONE	0.09	-0.74	0.74	-0.91	-0.85	-1.27	0.16	-0.45	0.96	0.00			
A4-C13-STYLE	0.12	-0.31	1.21		-0.25	-1.05	-0.30	0.86	0.50	0.13	0.14	-0.09	
A5-C13-STYLE	-0.32	-0.44	1.66		-0.85	-0.31	0.10	-0.26	-0.72	-0.44	-0.98	0.43	
A6-C13-STYLE	1.05	-0.62	1.44		-1.61	-0.10	0.13	-0.01	0.84	-1.26	0.32	-1.02	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE	0.95	-0.85	1.41		-0.41	-2.12	-0.69	-1.80	-0.11	0.00	0.90	1.55	
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.05	-1.14	1.66	-0.91	-1.61	-2.12	1.20	-1.80	1.13	-1.26	-0.98	1.55	
MINIMUM	0.09	-0.31	-0.47	-0.62	-0.25	-0.10	0.10	0.00	-0.11	0.00	0.14	-0.09	
RANGE(MAX-MIN)	0.960	-0.830	2.130	-0.290	-1.360	-2.020	1.100	-1.800	1.240	-1.260	-1.120	1.640	
MEAN	0.113	-0.651	0.697	-0.730	-0.873	-1.020	0.061	-0.221	0.463	-0.224	0.095	0.218	
STANDARD DEVIATION	0.668	0.284	1.071	0.157	0.518	0.665	0.586	0.808	0.658	0.491	0.787	1.072	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Price, Gregory

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.46	0.13	-0.20	0.00	-0.86	-0.38	-0.44	1.36	1.75	0.00			
B2-KEYSTONE	0.79	0.05	-0.28	0.01	-0.50	-1.20	-0.71	0.28	1.21	0.00			
B3-KEYSTONE	0.20	0.85	0.39	0.69	-0.27	-0.39	0.50	1.54	-0.43	0.00			
B4-C13-STYLE	1.03	-1.51	-0.89		-1.98	-1.06	-0.29	1.10	-0.15	-2.67	-0.79	0.50	
B5-C13-STYLE	0.97	-0.26	-0.64		-1.35	-1.45	-0.26	1.50	-0.50	0.61	-0.07	1.53	
B6-C13-STYLE	0.11	-1.34	-0.78		-1.28	-0.69	0.15	0.56	-0.24	-0.84	-0.13	1.65	
B7-DV4 PISTON	0.11	-0.32	1.16			-0.94	0.80						
C1-KEYSTONE	0.72	-0.64	-0.38	-0.32	-0.84	-1.19	-1.03	-0.24	0.73	0.00			
C2-KEYSTONE	1.26	0.80	-0.75	-0.10	-0.54	-1.19	-0.61	0.75	-1.16	0.00			
C3-KEYSTONE	0.28	0.35	-1.25	-0.36	-1.55	-1.03	-0.42	-0.06	0.17	0.00			
C4-C13-STYLE	0.78	0.29	-0.45		-1.18	-0.42	-0.63	1.43	-1.17	-0.98	-1.11	0.61	
C5-C13-STYLE	1.60	-1.31	-1.02		-1.65	-1.51	-0.63	1.76	-1.05	0.00	-0.71	0.70	
C6-C13-STYLE	0.11	-0.19	0.10		-0.95	-0.30	1.28	0.49	0.00	-0.24	-0.63	1.32	
C7-DV4 PISTON	-0.02	0.07	-0.76			-1.47	-1.27						
MAXIMUM	1.60	-1.51	-1.25	0.69	-1.98	-1.51	1.28	1.76	1.75	-2.67	-1.11	1.65	
MINIMUM	-0.02	0.05	0.10	0.00	-0.27	-0.30	0.15	-0.06	0.00	0.00	-0.07	0.50	
RANGE(MAX-MIN)	1.620	-1.560	-1.350	0.690	-1.710	-1.210	1.130	1.820	1.750	-2.670	-1.040	1.150	
MEAN	0.600	-0.216	-0.411	-0.013	-1.079	-0.944	-0.254	0.873	-0.070	-0.343	-0.573	1.052	
STANDARD DEVIATION	0.498	0.752	0.630	0.379	0.512	0.433	0.708	0.670	0.923	0.843	0.402	0.506	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rappmund, Scott

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.01	-0.88	1.01	2.06	-1.17	1.65	0.14	-0.85	-1.18	0.00			
A2-KEYSTONE	-0.11	1.72	2.18	-1.00	-0.31	2.74	-0.72	-0.14	-0.17	0.00			
A3-KEYSTONE	-0.27	0.80	-1.90	1.48	-0.03	0.09	0.55	-1.09	-0.58	0.00			
A4-C13-STYLE													
A5-C13-STYLE	1.52	-0.38	0.22		1.42	1.54	0.11	1.30	1.21	2.52	0.50	-1.02	
A6-C13-STYLE	0.88	2.24	-1.56		-0.83	-0.72	-1.38	-1.24	0.84	1.98	-0.70	0.33	
A7-DV4 PISTON	1.10	-0.16	-0.95			0.78	-1.18						
B1-KEYSTONE													
B2-KEYSTONE	0.02	-1.14	-0.15	-1.43	1.60	0.98	1.62	-0.79	-1.48	0.00			
B3-KEYSTONE	-0.05	-0.46	-0.89	-0.81	-0.64	1.69	1.37	0.63	-1.06	0.00			
B4-C13-STYLE	1.73	2.81	-1.00		-1.50	0.40	-0.11	0.31	-0.15	0.33	-0.79	0.20	
B5-C13-STYLE	-0.32	-1.07	-1.04		-0.69	-0.95	-0.64	-1.38	-0.50	-0.76	-0.07	0.67	
B6-C13-STYLE													
B7-DV4 PISTON	0.11	-1.03	-2.20			0.12	-1.17						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.73	2.81	-2.20	2.06	1.60	2.74	1.62	-1.38	-1.48	2.52	-0.79	-1.02	
MINIMUM	0.02	-0.16	-0.15	-0.81	-0.03	0.09	0.11	-0.14	-0.15	0.00	-0.07	0.20	
RANGE(MAX-MIN)	1.710	2.970	-2.050	2.870	1.630	2.650	1.510	-1.240	-1.330	2.520	-0.720	-1.220	
MEAN	0.511	0.223	-0.571	0.060	-0.239	0.756	-0.128	-0.361	-0.341	0.452	-0.265	0.045	
STANDARD DEVIATION	0.751	1.436	1.301	1.590	1.081	1.111	1.013	0.936	0.899	1.068	0.602	0.737	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Edward

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE	0.02	-0.69	0.09	0.96	0.81	-0.20	0.04	-0.43	1.75	0.00			
B3-KEYSTONE													
B4-C13-STYLE	0.06	-0.45	-0.28		0.99	0.20	0.54	0.47	-0.15	0.33	1.35	-0.40	
B5-C13-STYLE	-0.51	0.58	1.51		1.89	0.87	1.33	0.37	-0.50	-0.76	-0.07	-0.05	
B6-C13-STYLE	-0.77	0.64	0.28		0.99	1.03	0.22	-0.45	1.18	-0.84	-1.44	0.10	
B7-DV4 PISTON	-1.92	-0.24	0.47			-0.83	-1.17						
C1-KEYSTONE													
C2-KEYSTONE	0.15	0.63	-1.09	-0.43	0.15	-0.40	0.27	0.20	0.51	0.00			
C3-KEYSTONE	-0.85	0.92	-0.48	0.85	0.41	1.04	0.03	-0.54	-0.38	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.92	0.92	1.51	0.96	1.89	1.04	1.33	-0.54	1.75	-0.84	-1.44	-0.40	
MINIMUM	0.02	-0.24	0.09	-0.43	0.15	-0.20	0.03	0.20	-0.15	0.00	-0.07	-0.05	
RANGE(MAX-MIN)	-1.940	1.160	1.420	1.390	1.740	1.240	1.300	-0.740	1.900	-0.840	-1.370	-0.350	
MEAN	-0.546	0.199	0.071	0.460	0.873	0.244	0.180	-0.063	0.402	-0.212	-0.053	-0.117	
STANDARD DEVIATION	0.731	0.639	0.821	0.773	0.600	0.754	0.745	0.459	0.913	0.474	1.395	0.257	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.68	-0.17	2.42	0.46	-0.62	1.42	0.52	-0.43	-1.18	0.00			
A2-KEYSTONE	2.45	-0.46	1.23	0.16	-0.14	1.06	0.01	-1.43	-0.95	0.00			
A3-KEYSTONE	-0.27	-1.62	1.68	-0.78	-0.56	-0.43	-0.07	-1.51	-2.12	0.00			
A4-C13-STYLE	0.44	1.02	1.44		-1.04	-0.94	-0.20	-1.43	0.50	-1.04	0.14	-1.19	
A5-C13-STYLE	0.49	0.92	1.98		-1.21	0.76	0.79	-1.41	-0.72	-0.44	0.50	-1.50	
A6-C13-STYLE	0.15	-0.86	0.33		0.60	0.56	0.01	-0.83	-1.05	-0.45	-0.70	-1.29	
A7-DV4 PISTON													
B1-KEYSTONE	2.36	0.17	1.91	0.49	-1.23	-0.48	0.07	-1.16	-0.67	0.00			
B2-KEYSTONE	0.79	-0.69	2.30	1.92	-0.81	0.69	1.26	-0.79	-0.67	0.00			
B3-KEYSTONE	2.47	-0.06	1.03	0.09	-0.54	-0.66	0.25	-1.41	0.97	0.00			
B4-C13-STYLE	0.68	0.74	0.27		-0.52	1.63	0.31	-1.28	2.25	0.33	1.35	1.09	
B5-C13-STYLE	1.58	1.22	0.57		-0.29	0.43	-0.32	-0.25	1.76	0.61	-0.07	1.10	
B6-C13-STYLE	-1.30	-0.11	-0.01		-1.02	1.60	-2.14	-2.27	-0.24	1.05	0.43	-1.29	
B7-DV4 PISTON	0.11	1.29	0.70			-0.92	0.21						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.47	-1.62	2.42	1.92	-1.23	1.63	-2.14	-2.27	2.25	1.05	1.35	-1.50	
MINIMUM	0.11	-0.06	-0.01	0.09	-0.14	-0.43	0.01	-0.25	-0.24	0.00	-0.07	1.09	
RANGE(MAX-MIN)	2.360	-1.560	2.430	1.830	-1.090	2.060	-2.150	-2.020	2.490	1.050	1.420	-2.590	
MEAN	0.713	0.107	1.219	0.390	-0.615	0.363	0.054	-1.183	-0.177	0.005	0.275	-0.513	
STANDARD DEVIATION	1.202	0.893	0.809	0.879	0.517	0.948	0.784	0.543	1.291	0.528	0.681	1.250	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Arthur

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.34	2.24	-0.42	-1.72	-0.82	1.33	-1.00	-0.43	0.34	0.00			
A2-KEYSTONE	0.07	1.28	1.12	-0.23	-0.85	1.02	-1.74	-0.40	-0.43	0.00			
A3-KEYSTONE	1.53	0.20	-0.90	0.46	-0.18	0.47	-1.55	-0.24	0.26	0.00			
A4-C13-STYLE	1.30	-0.04	-0.17		-0.99	0.16	2.32	0.86	0.50	-0.45	0.14	1.28	
A5-C13-STYLE	1.23	0.42	-0.48		0.10	0.53	-0.41	0.15	-0.72	0.55	0.50	0.67	
A6-C13-STYLE	1.09	-0.97	-0.99		-2.20	-1.54	-1.51	0.80	0.84	-1.26	-0.48	-0.21	
A7-DV4 PISTON	-1.02	1.58	0.25			-0.66	0.72						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.53	2.24	1.12	-1.72	-2.20	-1.54	2.32	0.86	0.84	-1.26	0.50	1.28	
MINIMUM	0.07	-0.04	-0.17	-0.23	0.10	0.16	-0.41	0.15	0.26	0.00	0.14	-0.21	
RANGE(MAX-MIN)	1.460	2.280	1.290	-1.490	-2.300	-1.700	2.730	0.710	0.580	-1.260	0.360	1.490	
MEAN	0.649	0.673	-0.227	-0.497	-0.823	0.187	-0.453	0.123	0.132	-0.193	0.053	0.580	
STANDARD DEVIATION	0.908	1.091	0.728	1.114	0.799	0.992	1.491	0.585	0.590	0.611	0.496	0.749	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Christopher

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE	0.02	-0.05	0.48	0.83	-0.50	-0.27	0.92	0.28	-0.06	0.00			
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.39	-1.75	0.73	0.03	0.35	-0.47	0.46	0.19	-0.21	0.00			
C2-KEYSTONE	0.99	1.00	-0.28	-0.80	-0.30	-1.03	-1.31	-0.49	-0.12	0.00			
C3-KEYSTONE	-0.44	-0.21	1.44	0.18	-1.01	-0.26	0.35	-0.06	-1.54	0.00			
C4-C13-STYLE	-0.30	-0.85	0.06		-0.78	1.00	-0.92	-0.04	-1.17	-0.60	-0.30	-1.50	
C5-C13-STYLE	1.12	-0.67	0.14		-0.25	0.81	-0.63	-0.02	-0.11	0.00	-0.94	0.44	
C6-C13-STYLE	-0.15	-0.07	0.18		-0.30	-0.16	-0.31	-0.71	0.00	-0.94	-0.49	0.68	
C7-DV4 PISTON													
MAXIMUM	1.12	-1.75	1.44	0.83	-1.01	-1.03	-1.31	-0.71	-1.54	-0.94	-0.94	-1.50	
MINIMUM	0.02	-0.05	0.06	0.03	-0.25	-0.16	-0.31	-0.02	0.00	0.00	-0.30	0.44	
RANGE(MAX-MIN)	1.100	-1.700	1.380	0.800	-0.760	-0.870	-1.000	-0.690	-1.540	-0.940	-0.640	-1.940	
MEAN	0.233	-0.371	0.393	0.060	-0.399	-0.054	-0.206	-0.121	-0.459	-0.220	-0.577	-0.127	
STANDARD DEVIATION	0.621	0.848	0.561	0.670	0.434	0.717	0.810	0.356	0.625	0.388	0.329	1.195	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= StremLOW, Mike

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.45	-0.65	-0.34	-0.34	-0.88	-2.15	-0.15	0.00	1.10	0.00			
A2-KEYSTONE	-0.73	0.85	0.44	-0.48	-1.14	-1.41	0.45	3.47	7.64	0.00			
A3-KEYSTONE	0.50	0.60	-1.39	-2.07	-1.72	1.82	-1.44	-0.02	0.00	0.00			
A4-C13-STYLE	-0.65	0.24	-1.37		-0.03	-1.08	-0.03	0.17	2.77	0.71	0.14	3.21	
A5-C13-STYLE	0.57	-0.99	-0.96		-1.35	0.36	-1.35	1.05	-0.72	-0.44	0.50	-0.05	
A6-C13-STYLE	-0.29	-0.49	0.91		0.24	-0.54	1.17	1.62	0.84	1.17	-0.70	-1.02	
A7-DV4 PISTON	-1.07	-0.96	-0.35			-0.30	0.52						
B1-KEYSTONE	1.89	1.75	0.99	0.62	-0.34	-0.02	-1.98	2.62	0.50	0.00			
B2-KEYSTONE	0.02	0.50	0.70	0.01	-1.48	1.68	-0.22	-0.43	0.21	0.00			
B3-KEYSTONE	0.34	-0.23	1.67	-0.11	-0.74	0.29	1.02	2.67	0.81	0.00			
B4-C13-STYLE	1.11	0.17	-1.32		-1.61	1.70	-0.10	1.50	-0.15	-2.67	-0.79	-0.10	
B5-C13-STYLE	1.80	-0.74	-1.18		-1.03	0.20	-0.06	0.88	-0.50	-0.76	-0.07	-0.19	
B6-C13-STYLE	1.39	0.07	0.99		-0.45	0.37	0.09	1.00	0.47	-0.84	-0.69	0.41	
B7-DV4 PISTON	1.47	8.73	5.20			3.59	-0.51						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.89	8.73	5.20	-2.07	-1.72	3.59	-1.98	3.47	7.64	-2.67	-0.79	3.21	
MINIMUM	0.02	0.07	-0.34	0.01	-0.03	-0.02	-0.03	0.00	0.00	0.00	-0.07	-0.05	
RANGE(MAX-MIN)	1.870	8.660	5.540	-2.080	-1.690	3.610	-1.950	3.470	7.640	-2.670	-0.720	3.260	
MEAN	0.486	0.009	0.285	-0.395	-0.878	0.322	-0.185	1.211	0.485	-0.236	-0.268	0.377	
STANDARD DEVIATION	0.957	0.798	1.760	0.905	0.631	1.494	0.902	1.221	0.947	0.944	0.535	1.464	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Terrado, Ken

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE	0.83	-1.14	-0.48	-1.84	0.85	0.11	-1.44	-0.08	-0.75	0.00			
B3-KEYSTONE	1.62	-0.19	-1.00	-0.41	1.22	0.04	1.72	1.76	0.19	0.00			
B4-C13-STYLE	0.64	-0.04	-0.55		-1.21	-1.26	-1.25	-0.33	-0.15	0.33	-0.79	-0.40	
B5-C13-STYLE	1.25	0.20	1.51		1.20	-1.48	0.17	-0.25	-0.50	-0.76	-0.07	-0.48	
B6-C13-STYLE	-0.06	-1.03	1.53		-0.66	-0.37	0.51	-1.47	1.18	-0.84	0.43	0.10	
B7-DV4 PISTON	0.79	-0.70	-1.92			-0.86	-0.77						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.62	-1.14	-1.92	-1.84	1.22	-1.48	1.72	1.76	1.18	-0.84	-0.79	-0.48	
MINIMUM	-0.06	-0.04	-0.48	-0.41	-0.66	0.04	0.17	-0.08	-0.15	0.00	-0.07	0.10	
RANGE(MAX-MIN)	1.680	-1.100	-1.440	-1.430	1.880	-1.520	1.550	1.840	1.330	-0.840	-0.720	-0.580	
MEAN	0.845	-0.483	-0.152	-1.840	0.280	-0.637	-0.177	-0.074	-0.006	-0.254	-0.143	-0.260	
STANDARD DEVIATION	0.571	0.553	1.393	0.000	1.136	0.669	1.207	1.163	0.752	0.517	0.613	0.314	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Trevino, Robert

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.08	-0.17	-0.88	-0.86	-0.28	-0.32	-0.52	-0.15	-0.28	0.00			
B2-KEYSTONE	0.02	-0.41	0.20	-0.20	0.67	-0.31	0.01	0.28	-0.79	0.00			
B3-KEYSTONE	-0.54	-0.66	1.89	0.19	-0.19	1.20	0.25	-0.50	-0.90	0.00			
B4-C13-STYLE	0.47	-1.19	-0.63		0.35	-0.23	-1.05	0.31	-0.15	0.33	-0.14	-0.70	
B5-C13-STYLE	0.33	-0.93	-0.32		-0.31	0.39	-1.46	0.67	-0.50	-0.76	-0.07	-0.62	
B6-C13-STYLE	-0.13	-0.57	-0.76		0.18	-0.04	-0.48	-0.09	-0.24	-0.84	-0.99	-0.82	
B7-DV4 PISTON													
C1-KEYSTONE	0.39	-0.62	0.56	-0.79	-0.12	0.49	-0.53	0.63	-0.58	0.00			
C2-KEYSTONE	-0.58	-1.34	0.25	-0.60	-0.06	0.12	0.29	-1.18	-0.74	0.00			
C3-KEYSTONE	-0.85	-1.34	-0.86	-0.57	-0.06	-0.19	-1.34	-0.06	-0.31	0.00			
C4-C13-STYLE	-0.39	-0.62	0.39		-1.02	-0.19	-0.33	-0.59	0.33	-1.37	-0.41	-1.50	
C5-C13-STYLE	0.55	-1.09	-1.42		0.47	0.11	-0.69	-0.02	-0.11	0.00	-1.12	-0.21	
C6-C13-STYLE	-0.18	-0.20	-0.55		-0.92	-0.17	-0.38	-0.95	0.00	-0.94	-0.06	-0.93	
C7-DV4 PISTON													
MAXIMUM	-0.85	-1.34	1.89	-0.86	-1.02	1.20	-1.46	-1.18	-0.90	-1.37	-1.12	-1.50	
MINIMUM	0.02	-0.17	0.20	0.19	-0.06	-0.04	0.01	-0.02	0.00	0.00	-0.06	-0.21	
RANGE(MAX-MIN)	-0.870	-1.170	1.690	-1.050	-0.960	1.240	-1.470	-1.160	-0.900	-1.370	-1.060	-1.290	
MEAN	-0.069	-0.762	-0.178	-0.472	-0.108	0.072	-0.519	-0.138	-0.356	-0.298	-0.465	-0.797	
STANDARD DEVIATION	0.456	0.412	0.888	0.397	0.505	0.442	0.560	0.582	0.360	0.530	0.476	0.424	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Ueta, Yuki

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.01	-0.26	-0.37	0.14	-1.46	-0.82	0.06	0.00	-0.57	0.00			
A2-KEYSTONE	0.20	1.72	-0.32	-1.14	-1.41	0.47	-0.41	0.11	1.39	0.00			
A3-KEYSTONE	-0.53	-1.55	0.06	-0.64	-1.98	0.14	0.80	1.25	-1.99	0.00			
A4-C13-STYLE	-1.51	-0.02	-1.37		-0.44	-0.91	-1.02	-1.32	0.50	0.13	0.14	-0.09	
A5-C13-STYLE	-0.29	1.00	-0.67		0.16	-0.02	-0.45	0.15	-0.72	-0.44	0.50	0.67	
A6-C13-STYLE	-0.92	-0.67	-0.24		-0.23	0.50	-0.22	-0.01	0.84	0.36	-0.70	-1.02	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.51	1.72	-1.37	-1.14	-1.98	-0.91	-1.02	-1.32	-1.99	-0.44	-0.70	-1.02	
MINIMUM	0.20	-0.02	0.06	0.14	0.16	-0.02	0.06	0.00	0.50	0.00	0.14	-0.09	
RANGE(MAX-MIN)	-1.710	1.740	-1.430	-1.280	-2.140	-0.890	-1.080	-1.320	-2.490	-0.440	-0.840	-0.930	
MEAN	-0.340	0.037	-0.485	-0.547	-0.893	-0.107	-0.207	0.030	-0.092	0.008	-0.020	-0.147	
STANDARD DEVIATION	0.878	1.172	0.493	0.645	0.840	0.620	0.608	0.817	1.236	0.261	0.616	0.846	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Veiga, Victor

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.11	-0.53	0.48	0.83	-0.59	-2.77	4.32	0.43	1.71	0.00			
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE	0.55	0.35	-1.53		-0.04	-1.11	-0.99	0.70	-1.05	1.17	-0.70	1.14	
A7-DV4 PISTON	0.46	0.29	-0.35			-0.20	-0.48						
B1-KEYSTONE													
B2-KEYSTONE	0.02	-1.14	0.67	0.90	-0.63	0.73	0.12	1.34	-1.44	0.00			
B3-KEYSTONE	-0.65	1.64	-0.94	-0.11	-0.24	1.91	2.06	0.18	-0.90	0.00			
B4-C13-STYLE	1.93	-0.08	-1.32		-1.76	-0.85	-0.93	0.71	1.05	-2.67	-0.79	1.69	
B5-C13-STYLE													
B6-C13-STYLE	-1.24	0.74	0.99		-1.07	0.37	0.67	1.07	-0.94	-0.84	0.43	-0.36	
B7-DV4 PISTON	2.83	-0.62	-1.63			0.86	-1.17						
C1-KEYSTONE													
C2-KEYSTONE	-0.35	0.39	1.13	1.21	0.10	0.78	1.96	-0.49	1.55	0.00			
C3-KEYSTONE	-0.85	-0.21	-0.61	-1.32	-0.10	0.60	1.00	-1.01	-0.38	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON	-0.16	-0.42	0.63			1.05	-1.22						
MAXIMUM	2.83	1.64	-1.63	-1.32	-1.76	-2.77	4.32	1.34	1.71	-2.67	-0.79	1.69	
MINIMUM	0.02	-0.08	-0.35	-0.11	-0.04	-0.20	0.12	0.18	-0.38	0.00	0.43	-0.36	
RANGE(MAX-MIN)	2.810	1.720	-1.280	-1.210	-1.720	-2.570	4.200	1.160	2.090	-2.670	-1.220	2.050	
MEAN	0.221	0.037	-0.225	0.302	-0.541	0.125	0.485	0.366	-0.050	-0.293	-0.353	0.823	
STANDARD DEVIATION	1.206	0.760	1.044	1.032	0.624	1.289	1.748	0.787	1.277	1.103	0.680	1.061	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Von Staden, Jon

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.51	-0.23	-1.30	0.68	-0.78	-0.05	-1.09	0.98	-0.85	0.00			
B2-KEYSTONE	-0.99	-1.14	-0.63	-1.36	-1.96	-0.55	-1.67	0.28	-1.36	0.00			
B3-KEYSTONE	0.10	-0.06	1.46	0.39	1.41	0.27	0.68	0.63	-0.74	0.00			
B4-C13-STYLE	1.93	-1.02	-0.23		-1.73	-1.13	-0.61	1.10	1.05	0.33	-0.79	1.09	
B5-C13-STYLE													
B6-C13-STYLE	2.23	0.73	-0.23		-1.00	1.41	-0.28	1.14	0.47	1.05	-0.50	4.89	
B7-DV4 PISTON													
C1-KEYSTONE	-1.20	-1.87	0.92	0.44	-0.44	-0.26	0.91	1.06	-0.67	0.00			
C2-KEYSTONE	-0.16	1.86	-0.88	-0.80	-1.02	2.10	-0.90	-0.63	-0.53	0.00			
C3-KEYSTONE	1.41	0.35	-1.18	-0.49	-0.90	-0.51	-0.10	0.89	-1.68	0.00			
C4-C13-STYLE	0.93	-1.49	-0.45		0.01	0.77	-1.67	-0.59	-1.17	0.94	-1.11	1.67	
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.23	-1.87	1.46	-1.36	-1.96	2.10	-1.67	1.14	-1.68	1.05	-1.11	4.89	
MINIMUM	0.10	-0.06	-0.23	0.39	0.01	-0.05	-0.10	0.28	0.47	0.00	-0.50	1.09	
RANGE(MAX-MIN)	2.130	-1.810	1.690	-1.750	-1.970	2.150	-1.570	0.860	-2.150	1.050	-0.610	3.800	
MEAN	0.640	-0.319	-0.280	-0.190	-0.712	0.228	-0.526	0.540	-0.609	0.258	-0.800	2.550	
STANDARD DEVIATION	1.255	1.189	0.924	0.815	0.994	1.031	0.925	0.705	0.868	0.433	0.305	2.047	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Aguirre, Nancy P

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Arrizon, Richard

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Barrera, Tony

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	0.01	-1.11	-1.25	-0.92	-1.38	-1.03	
M1-6-C13 2ND RING CARBON	-0.66	-0.19	-1.50	-1.11	-0.89	-1.25	
N1-6-C13 2ND RING CARBON	0.00	-0.09	-1.01	-1.26	-0.94	-0.87	
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.66	-1.11	-1.50	-1.26	-1.38	-1.25	
MINIMUM	0.00	-0.09	-1.01	-0.92	-0.89	-0.87	
RANGE(MAX-MIN)	-0.660	-1.020	-0.490	-0.340	-0.490	-0.380	
MEAN	-0.217	-0.463	-1.253	-1.097	-1.070	-1.050	
STANDARD DEVIATION	0.384	0.562	0.245	0.170	0.270	0.191	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Bolaney, Jonathan

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.02	-0.50	-0.26	-0.25	0.01	-1.15	
K1-6-C13 2ND RING CARBON	-0.02	-0.42	-0.35	-0.71	-1.26	-1.13	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	1.14	-1.35	-1.01	-0.01	-1.08	-2.23	
O1-6-C13 2ND RING CARBON	-0.71	0.36	-0.58	-0.57	-0.52	-1.03	
MAXIMUM	1.14	-1.35	-1.01	-0.71	-1.26	-2.23	
MINIMUM	0.02	0.36	-0.26	-0.01	0.01	-1.03	
RANGE(MAX-MIN)	1.120	-1.710	-0.750	-0.700	-1.270	-1.200	
MEAN	0.108	-0.478	-0.550	-0.385	-0.713	-1.385	
STANDARD DEVIATION	0.766	0.699	0.335	0.316	0.576	0.566	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Broff, Andy

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.83	0.05	-0.01	0.08	-0.64	1.19	
K1-6-C13 2ND RING CARBON	1.74	1.84	1.61	0.27	1.31	0.65	
L1-6-C13 2ND RING CARBON	1.83	0.39	-1.03	1.73	0.06	-0.34	
M1-6-C13 2ND RING CARBON	1.64	1.82	1.31	0.85	0.19	1.17	
N1-6-C13 2ND RING CARBON	-1.14	0.36	-1.41	-0.01	0.17	0.03	
O1-6-C13 2ND RING CARBON	1.24	0.36	0.09	1.10	-1.40	-0.28	
MAXIMUM	1.83	1.84	1.61	1.73	-1.40	1.19	
MINIMUM	-0.83	0.05	-0.01	-0.01	0.06	0.03	
RANGE(MAX-MIN)	2.660	1.790	1.620	1.740	-1.460	1.160	
MEAN	0.747	0.803	0.093	0.670	-0.052	0.403	
STANDARD DEVIATION	1.360	0.805	1.209	0.680	0.910	0.697	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Cales, Jonathon

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Castillo, George

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.26	-0.50	-0.63	1.69	-1.13	0.25	
K1-6-C13 2ND RING CARBON	-0.31	0.38	0.04	-0.57	1.04	-0.39	
L1-6-C13 2ND RING CARBON	1.40	0.39	0.86	0.82	-0.66	1.26	
M1-6-C13 2ND RING CARBON	0.99	1.10	0.49	0.36	0.46	-0.19	
N1-6-C13 2ND RING CARBON	-0.57	1.28	0.20	-0.19	1.43	1.17	
O1-6-C13 2ND RING CARBON	1.00	2.93	-1.26	-0.36	-0.17	-0.53	
MAXIMUM	1.40	2.93	-1.26	1.69	1.43	1.26	
MINIMUM	-0.26	0.38	0.04	-0.19	-0.17	-0.19	
RANGE(MAX-MIN)	1.660	2.550	-1.300	1.880	1.600	1.450	
MEAN	0.375	0.930	-0.050	0.292	0.162	0.262	
STANDARD DEVIATION	0.847	1.165	0.773	0.853	0.992	0.785	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Chao, Qian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.86	1.99	-1.44	-1.22	-0.64	0.41	
K1-6-C13 2ND RING CARBON	-0.02	-1.42	-1.39	-0.01	-1.33	-1.13	
L1-6-C13 2ND RING CARBON	-1.06	0.64	-0.80	-1.22	0.54	-1.49	
M1-6-C13 2ND RING CARBON	-1.10	-1.29	0.65	-1.11	-1.82	-1.25	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.10	1.99	-1.44	-1.22	-1.82	-1.49	
MINIMUM	-0.02	0.64	0.65	-0.01	0.54	0.41	
RANGE(MAX-MIN)	-1.080	1.350	-2.090	-1.210	-2.360	-1.900	
MEAN	-0.330	-0.020	-0.745	-0.890	-0.813	-0.865	
STANDARD DEVIATION	0.938	1.638	0.974	0.589	1.023	0.863	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= DeCapite, Vanessa

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.30	-0.50	-0.01	-0.49	0.50	-0.37	
K1-6-C13 2ND RING CARBON	-1.19	-0.62	-0.61	-0.15	-0.79	0.21	
L1-6-C13 2ND RING CARBON	0.60	1.14	-0.36	-0.10	0.54	0.57	
M1-6-C13 2ND RING CARBON	-1.31	-0.25	-0.18	-0.62	0.05	0.11	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.31	1.14	-0.61	-0.62	-0.79	0.57	
MINIMUM	0.30	-0.25	-0.01	-0.10	0.05	0.11	
RANGE(MAX-MIN)	-1.610	1.390	-0.600	-0.520	-0.840	0.460	
MEAN	-0.400	-0.058	-0.290	-0.340	0.075	0.130	
STANDARD DEVIATION	0.990	0.813	0.257	0.255	0.618	0.387	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Demel, Samuel

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.02	0.33	-1.69	-1.54	-0.48	-1.00	
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.20	-1.11	0.08	0.00	0.06	-0.34	
M1-6-C13 2ND RING CARBON	0.22	0.33	0.49	-0.13	0.72	1.02	
N1-6-C13 2ND RING CARBON	-1.14	-0.66	0.81	-0.37	0.31	0.37	
O1-6-C13 2ND RING CARBON	-0.46	-0.28	0.76	1.10	-0.17	-0.15	
MAXIMUM	-1.14	-1.11	-1.69	-1.54	0.72	1.02	
MINIMUM	0.02	-0.28	0.08	0.00	0.06	-0.15	
RANGE(MAX-MIN)	-1.160	-0.830	-1.770	-1.540	0.660	1.170	
MEAN	-0.312	-0.278	0.090	-0.188	0.088	-0.020	
STANDARD DEVIATION	0.528	0.628	1.036	0.943	0.458	0.760	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Dominguez, Lucio

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.30	0.88	0.49	-0.09	2.29	1.19	
K1-6-C13 2ND RING CARBON	1.15	-0.55	-0.15	0.98	0.09	0.50	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	0.57	0.36	1.61	0.35	0.31	0.26	
O1-6-C13 2ND RING CARBON	1.12	-0.28	1.10	1.52	2.10	0.73	
MAXIMUM	1.15	0.88	1.61	1.52	2.29	1.19	
MINIMUM	0.30	-0.28	-0.15	-0.09	0.09	0.26	
RANGE(MAX-MIN)	0.850	1.160	1.760	1.610	2.200	0.930	
MEAN	0.785	0.103	0.763	0.690	1.198	0.670	
STANDARD DEVIATION	0.419	0.644	0.761	0.706	1.158	0.396	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Escobar, Wilmar

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Foecking, Brian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.31	-0.11	-0.14	-0.31	0.06	-0.34	
M1-6-C13 2ND RING CARBON	-0.77	-1.42	-0.18	-0.62	-0.35	-0.64	
N1-6-C13 2ND RING CARBON	-0.57	0.02	-1.01	-0.19	-0.52	-0.42	
O1-6-C13 2ND RING CARBON	-0.22	-0.28	0.43	-0.36	-0.35	-0.28	
MAXIMUM	-0.77	-1.42	-1.01	-0.62	-0.52	-0.64	
MINIMUM	-0.22	0.02	-0.14	-0.19	0.06	-0.28	
RANGE(MAX-MIN)	-0.550	-1.440	-0.870	-0.430	-0.580	-0.360	
MEAN	-0.468	-0.448	-0.225	-0.370	-0.290	-0.420	
STANDARD DEVIATION	0.250	0.660	0.593	0.181	0.247	0.157	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Garcia, Orlando

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hayden, Matthew

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.86	1.43	0.37	-0.41	-0.32	-0.53	
K1-6-C13 2ND RING CARBON	-0.31	-0.29	-1.00	-0.43	-1.33	-1.13	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	1.71	-1.81	-0.60	-0.37	-1.64	-1.33	
O1-6-C13 2ND RING CARBON	0.76	-0.92	-0.92	1.31	-0.70	0.48	
MAXIMUM	1.71	-1.81	-1.00	1.31	-1.64	-1.33	
MINIMUM	-0.31	-0.29	0.37	-0.37	-0.32	0.48	
RANGE(MAX-MIN)	2.020	-1.520	-1.370	1.680	-1.320	-1.810	
MEAN	0.755	-0.398	-0.538	-0.403	-0.998	-0.628	
STANDARD DEVIATION	0.828	1.369	0.629	0.100	0.597	0.813	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hills, Barry

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hodgson, Joshua

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Jiao, Deng

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.58	1.43	-1.25	-1.05	-0.48	0.41	
K1-6-C13 2ND RING CARBON	1.45	-1.75	-1.52	-0.01	-1.33	-0.98	
L1-6-C13 2ND RING CARBON	-0.89	2.14	-1.25	-1.53	0.78	-1.26	
M1-6-C13 2ND RING CARBON	-1.21	-1.42	0.49	-0.13	-1.42	-1.40	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	1.45	2.14	-1.52	-1.53	-1.42	-1.40	
MINIMUM	0.58	-1.42	0.49	-0.01	-0.48	0.41	
RANGE(MAX-MIN)	0.870	3.560	-2.010	-1.520	-0.940	-1.810	
MEAN	-0.018	0.100	-0.883	-0.680	-0.613	-0.808	
STANDARD DEVIATION	1.251	1.972	0.924	0.733	1.020	0.830	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= JUNJUN, ZHU

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-2.07	0.39	0.53	0.31	-0.42	1.26	
M1-6-C13 2ND RING CARBON	0.99	0.26	-0.67	0.60	-0.48	-0.95	
N1-6-C13 2ND RING CARBON	-0.57	0.93	0.60	0.17	-0.25	0.94	
O1-6-C13 2ND RING CARBON	-1.20	0.36	1.10	0.27	0.87	1.86	
MAXIMUM	-2.07	0.93	1.10	0.60	0.87	1.86	
MINIMUM	-0.57	0.26	0.53	0.17	-0.25	0.94	
RANGE(MAX-MIN)	-1.500	0.670	0.570	0.430	1.120	0.920	
MEAN	-0.713	0.485	0.390	0.338	-0.070	0.778	
STANDARD DEVIATION	1.291	0.302	0.751	0.185	0.634	1.213	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.02	-0.78	0.24	0.40	-0.48	-0.22	
K1-6-C13 2ND RING CARBON	-1.19	-0.62	-0.87	-0.85	-0.59	-0.53	
L1-6-C13 2ND RING CARBON	-0.47	-0.86	-0.80	-1.43	-1.62	-1.26	
M1-6-C13 2ND RING CARBON	-0.33	-0.45	-1.17	-0.38	0.46	-0.19	
N1-6-C13 2ND RING CARBON	-0.57	-0.44	-0.20	-1.08	-0.94	-1.10	
O1-6-C13 2ND RING CARBON	-0.83	-0.92	-1.26	-1.62	-0.70	-1.28	
MAXIMUM	-1.19	-0.92	-1.26	-1.62	-1.62	-1.28	
MINIMUM	0.02	-0.44	-0.20	-0.38	0.46	-0.19	
RANGE(MAX-MIN)	-1.210	-0.480	-1.060	-1.240	-2.080	-1.090	
MEAN	-0.562	-0.678	-0.677	-0.827	-0.645	-0.763	
STANDARD DEVIATION	0.416	0.207	0.584	0.743	0.677	0.511	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Liang, Chen

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-2.24	-0.50	-0.63	-0.41	0.66	-0.53	
K1-6-C13 2ND RING CARBON	-0.31	1.11	0.70	-1.00	0.50	0.65	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	1.14	1.28	0.60	1.77	0.45	0.37	
O1-6-C13 2ND RING CARBON	-2.17	0.36	1.44	-0.57	1.05	1.86	
MAXIMUM	-2.24	1.28	1.44	1.77	1.05	1.86	
MINIMUM	-0.31	0.36	0.60	-0.41	0.45	0.37	
RANGE(MAX-MIN)	-1.930	0.920	0.840	2.180	0.600	1.490	
MEAN	-0.895	0.563	0.528	-0.053	0.665	0.588	
STANDARD DEVIATION	1.625	0.813	0.858	1.240	0.272	0.986	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lonsway, Chris

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.30	-0.78	-0.13	0.56	0.99	-0.84	
K1-6-C13 2ND RING CARBON	-1.49	-0.09	0.30	-1.00	0.97	-0.39	
L1-6-C13 2ND RING CARBON	-0.20	-0.86	1.08	0.71	-0.42	0.57	
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.49	-0.86	1.08	-1.00	0.99	-0.84	
MINIMUM	-0.20	-0.09	-0.13	0.56	-0.42	-0.39	
RANGE(MAX-MIN)	-1.290	-0.770	1.210	-1.560	1.410	-0.450	
MEAN	-0.463	-0.577	0.417	0.090	0.513	-0.220	
STANDARD DEVIATION	0.924	0.423	0.613	0.947	0.808	0.720	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lopez, Frank

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pan, Yinliang

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	1.71	0.33	1.99	1.77	0.50	1.82	
K1-6-C13 2ND RING CARBON	0.86	1.24	1.61	1.68	0.97	2.14	
L1-6-C13 2ND RING CARBON	1.14	1.39	1.30	1.53	2.46	1.49	
M1-6-C13 2ND RING CARBON	1.21	1.23	2.14	2.81	2.20	1.92	
N1-6-C13 2ND RING CARBON	7.42	0.93	2.22	2.49	1.70	1.28	
O1-6-C13 2ND RING CARBON							
MAXIMUM	7.42	1.39	2.22	2.81	2.46	2.14	
MINIMUM	0.86	0.33	1.30	1.53	0.50	1.28	
RANGE(MAX-MIN)	6.560	1.060	0.920	1.280	1.960	0.860	
MEAN	2.468	1.024	1.852	2.056	1.566	1.730	
STANDARD DEVIATION	2.785	0.422	0.388	0.561	0.823	0.344	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pitta, Jimmy

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Price, Gregory

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.84	-0.11	-1.03	-0.71	-0.90	-0.57	
M1-6-C13 2ND RING CARBON	-1.21	-0.51	-1.17	-0.62	-0.75	-0.19	
N1-6-C13 2ND RING CARBON	1.71	-1.46	-0.40	-0.37	-1.50	-0.76	
O1-6-C13 2ND RING CARBON	-0.22	0.36	0.43	-0.78	0.52	-0.65	
MAXIMUM	1.71	-1.46	-1.17	-0.78	-1.50	-0.76	
MINIMUM	-0.22	-0.11	-0.40	-0.37	0.52	-0.19	
RANGE(MAX-MIN)	1.930	-1.350	-0.770	-0.410	-2.020	-0.570	
MEAN	-0.140	-0.430	-0.543	-0.620	-0.658	-0.543	
STANDARD DEVIATION	1.299	0.773	0.730	0.179	0.849	0.248	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rappmund, Scott

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Edward

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.83	-1.05	1.24	-0.09	-0.32	-0.84	
K1-6-C13 2ND RING CARBON	-0.61	0.38	0.50	1.54	0.77	0.06	
L1-6-C13 2ND RING CARBON	0.39	-0.61	1.97	0.10	-0.18	0.34	
M1-6-C13 2ND RING CARBON	0.33	-0.64	-1.00	-0.62	0.86	0.41	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.83	-1.05	1.97	1.54	0.86	-0.84	
MINIMUM	0.33	0.38	0.50	-0.09	-0.18	0.06	
RANGE(MAX-MIN)	-1.160	-1.430	1.470	1.630	1.040	-0.900	
MEAN	-0.180	-0.480	0.678	0.233	0.283	-0.008	
STANDARD DEVIATION	0.630	0.607	1.269	0.923	0.619	0.575	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Arthur

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.86	-0.22	1.18	1.61	1.31	1.50	
K1-6-C13 2ND RING CARBON	0.86	1.04	1.22	1.54	0.77	1.69	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	0.57	1.05	0.60	1.24	1.43	1.39	
O1-6-C13 2ND RING CARBON	1.12	0.04	0.76	1.10	1.40	0.98	
MAXIMUM	1.12	1.05	1.22	1.61	1.43	1.69	
MINIMUM	0.57	0.04	0.60	1.10	0.77	0.98	
RANGE(MAX-MIN)	0.550	1.010	0.620	0.510	0.660	0.710	
MEAN	0.853	0.478	0.940	1.373	1.228	1.390	
STANDARD DEVIATION	0.225	0.664	0.308	0.242	0.309	0.300	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Christopher

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.09	-1.36	0.08	0.00	1.26	-0.11	
M1-6-C13 2ND RING CARBON	0.44	0.52	0.15	0.85	0.59	1.02	
N1-6-C13 2ND RING CARBON	-0.57	-0.78	0.20	-0.55	0.31	0.37	
O1-6-C13 2ND RING CARBON	-0.34	0.04	0.43	-0.78	-0.35	-0.03	
MAXIMUM	-0.57	-1.36	0.43	0.85	1.26	1.02	
MINIMUM	-0.09	0.04	0.08	0.00	0.31	-0.03	
RANGE(MAX-MIN)	-0.480	-1.400	0.350	0.850	0.950	1.050	
MEAN	-0.140	-0.395	0.215	-0.120	0.453	0.313	
STANDARD DEVIATION	0.434	0.838	0.152	0.725	0.667	0.516	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Stremlow, Mike

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-1.67	-1.61	0.55	-0.57	-1.78	-1.31	
K1-6-C13 2ND RING CARBON	-0.61	-0.22	-0.09	-1.28	0.23	-0.24	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	-1.14	-0.55	-1.01	-1.08	0.31	0.03	
O1-6-C13 2ND RING CARBON	0.15	-1.56	-1.60	-1.20	-1.40	-1.28	
MAXIMUM	-1.67	-1.61	-1.60	-1.28	-1.78	-1.31	
MINIMUM	0.15	-0.22	-0.09	-0.57	0.23	0.03	
RANGE(MAX-MIN)	-1.820	-1.390	-1.510	-0.710	-2.010	-1.340	
MEAN	-0.818	-0.985	-0.538	-1.033	-0.660	-0.700	
STANDARD DEVIATION	0.777	0.706	0.955	0.319	1.086	0.696	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Terrado, Ken

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Trevino, Robert

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	0.76	-0.36	0.75	1.02	-0.18	1.26	
M1-6-C13 2ND RING CARBON	0.77	0.91	0.15	-0.13	0.19	0.41	
N1-6-C13 2ND RING CARBON	-0.57	0.93	-0.20	-0.55	0.45	0.49	
O1-6-C13 2ND RING CARBON	0.76	-0.60	-0.92	-0.15	-0.17	-0.40	
MAXIMUM	0.77	0.93	-0.92	1.02	0.45	1.26	
MINIMUM	-0.57	-0.36	0.15	-0.13	-0.17	-0.40	
RANGE(MAX-MIN)	1.340	1.290	-1.070	1.150	0.620	1.660	
MEAN	0.430	0.220	-0.055	0.048	0.073	0.440	
STANDARD DEVIATION	0.667	0.814	0.697	0.677	0.305	0.679	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Ueta, Yuki

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Veiga, Victor

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Von Staden, Jon

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Aguirre, Nancy P

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.60	
ISMRC-ISM ROCKER COVER	0.62	
VOP-OIL PAN SLUDGE	0.89	
VOPB-OIL PAN BFL SLUDGE	0.24	
VRCBL-RC BFL SLUDGE L	-0.64	
VRCBR-RC BFL SLUDGE R	-0.10	
VRCL-RC SLUDGE L	-1.41	
VRCL-RC SLUDGE R	-0.66	
VTCC-TC CVR SLUDGE	-0.32	
VVDL-VALVE DECK SLUDGE L	-0.03	
VVDR-VALVE DECK SLUDGE R	-0.10	
MAXIMUM	-1.41	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-1.380	
MEAN	-0.083	
STANDARD DEVIATION	0.669	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Arrizon, Richard

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN		
ISMRC-ISM ROCKER COVER		
VOP-OIL PAN SLUDGE		
VOPB-OIL PAN BFL SLUDGE		
VRCBL-RC BFL SLUDGE L		
VRCBR-RC BFL SLUDGE R		
VRCL-RC SLUDGE L		
VRCR-RC SLUDGE R		
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Barrera, Tony

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.79	
ISMRC-ISM ROCKER COVER	-0.22	
VOP-OIL PAN SLUDGE	0.38	
VOPB-OIL PAN BFL SLUDGE	-0.13	
VRCBL-RC BFL SLUDGE L	0.10	
VRCBR-RC BFL SLUDGE R	0.83	
VRCL-RC SLUDGE L	-0.09	
VRCL-RC SLUDGE R	0.80	
VTCC-TC CVR SLUDGE	0.38	
VVDL-VALVE DECK SLUDGE L	0.21	
VVDR-VALVE DECK SLUDGE R	0.08	
MAXIMUM	0.83	
MINIMUM	0.08	
RANGE(MAX-MIN)	0.750	
MEAN	0.285	
STANDARD DEVIATION	0.385	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Bolaney, Jonathan

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.32	
ISMRC-ISM ROCKER COVER	-0.47	
VOP-OIL PAN SLUDGE	0.07	
VOPB-OIL PAN BFL SLUDGE	-0.23	
VRCBL-RC BFL SLUDGE L	-0.18	
VRCBR-RC BFL SLUDGE R	-0.38	
VRCL-RC SLUDGE L	-0.28	
VRCL-RC SLUDGE R	-0.02	
VTCC-TC CVR SLUDGE	-0.72	
VVDL-VALVE DECK SLUDGE L	-0.35	
VVDR-VALVE DECK SLUDGE R	-0.29	
MAXIMUM	-0.72	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-0.700	
MEAN	-0.230	
STANDARD DEVIATION	0.279	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Broff, Andy

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.13	
ISMRC-ISM ROCKER COVER	1.33	
VOP-OIL PAN SLUDGE	0.35	
VOPB-OIL PAN BFL SLUDGE	0.44	
VRCBL-RC BFL SLUDGE L	-0.09	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.19	
VRCL-RC SLUDGE R	-0.75	
VTCC-TC CVR SLUDGE	1.38	
VVDL-VALVE DECK SLUDGE L	0.92	
VVDR-VALVE DECK SLUDGE R	1.25	
MAXIMUM	1.38	
MINIMUM	-0.09	
RANGE(MAX-MIN)	1.470	
MEAN	0.450	
STANDARD DEVIATION	0.695	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Cales, Jonathon

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.11	
ISMRC-ISM ROCKER COVER	-0.67	
VOP-OIL PAN SLUDGE	-0.20	
VOPB-OIL PAN BFL SLUDGE	0.18	
VRCBL-RC BFL SLUDGE L	-0.36	
VRCBR-RC BFL SLUDGE R	-1.78	
VRCL-RC SLUDGE L	-1.22	
VRCL-RC SLUDGE R	-0.84	
VTCC-TC CVR SLUDGE	-0.42	
VVDL-VALVE DECK SLUDGE L	-0.11	
VVDR-VALVE DECK SLUDGE R	-0.41	
MAXIMUM	-1.78	
MINIMUM	-0.11	
RANGE(MAX-MIN)	-1.670	
MEAN	-0.631	
STANDARD DEVIATION	0.568	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Castillo, George

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.35	
ISMRC-ISM ROCKER COVER	-0.92	
VOP-OIL PAN SLUDGE	-1.24	
VOPB-OIL PAN BFL SLUDGE	-1.00	
VRCBL-RC BFL SLUDGE L	-1.01	
VRCBR-RC BFL SLUDGE R	-0.76	
VRCL-RC SLUDGE L	-1.22	
VRCL-RC SLUDGE R	-0.93	
VTCC-TC CVR SLUDGE	-1.32	
VVDL-VALVE DECK SLUDGE L	-1.07	
VVDR-VALVE DECK SLUDGE R	-1.76	
MAXIMUM	-1.76	
MINIMUM	-0.35	
RANGE(MAX-MIN)	-1.410	
MEAN	-1.053	
STANDARD DEVIATION	0.354	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Chao, Qian

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.32	
ISMRC-ISM ROCKER COVER	1.07	
VOP-OIL PAN SLUDGE	1.56	
VOPB-OIL PAN BFL SLUDGE	0.65	
VRCBL-RC BFL SLUDGE L	0.84	
VRCBR-RC BFL SLUDGE R	1.48	
VRCL-RC SLUDGE L	1.98	
VRCL-RC SLUDGE R	0.89	
VTCC-TC CVR SLUDGE	1.58	
VVDL-VALVE DECK SLUDGE L	1.80	
VVDR-VALVE DECK SLUDGE R	0.70	
MAXIMUM	1.98	
MINIMUM	0.32	
RANGE(MAX-MIN)	1.660	
MEAN	1.170	
STANDARD DEVIATION	0.537	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= DeCapite, Vanessa

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.01	
ISMRC-ISM ROCKER COVER	0.43	
VOP-OIL PAN SLUDGE	-1.21	
VOPB-OIL PAN BFL SLUDGE	-0.69	
VRCBL-RC BFL SLUDGE L	-2.96	
VRCBR-RC BFL SLUDGE R	-1.04	
VRCL-RC SLUDGE L	-0.94	
VRCR-RC SLUDGE R	-1.20	
VTCC-TC CVR SLUDGE	-0.32	
VVDL-VALVE DECK SLUDGE L	0.29	
VVDR-VALVE DECK SLUDGE R	-1.15	
MAXIMUM	-2.96	
MINIMUM	0.29	
RANGE(MAX-MIN)	-3.250	
MEAN	-0.891	
STANDARD DEVIATION	0.899	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Demel, Samuel

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.51	
ISMRC-ISM ROCKER COVER	-1.31	
VOP-OIL PAN SLUDGE	0.16	
VOPB-OIL PAN BFL SLUDGE	0.29	
VRCBL-RC BFL SLUDGE L	0.47	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.19	
VRCL-RC SLUDGE R	0.25	
VTCC-TC CVR SLUDGE	-0.12	
VVDL-VALVE DECK SLUDGE L	-0.11	
VVDR-VALVE DECK SLUDGE R	0.02	
MAXIMUM	-1.31	
MINIMUM	0.02	
RANGE(MAX-MIN)	-1.330	
MEAN	0.014	
STANDARD DEVIATION	0.497	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Dominguez, Lucio

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.60	
ISMRC-ISM ROCKER COVER	-0.22	
VOP-OIL PAN SLUDGE	-1.05	
VOPB-OIL PAN BFL SLUDGE	-0.74	
VRCBL-RC BFL SLUDGE L	-1.20	
VRCBR-RC BFL SLUDGE R	-0.29	
VRCL-RC SLUDGE L	-0.75	
VRCR-RC SLUDGE R	-0.66	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	-2.82	
VVDR-VALVE DECK SLUDGE R	-1.95	
MAXIMUM	-2.82	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-2.800	
MEAN	-0.827	
STANDARD DEVIATION	0.938	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Escobar, Wilmar

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.77	
ISMRC-ISM ROCKER COVER	-3.95	
VOP-OIL PAN SLUDGE	0.01	
VOPB-OIL PAN BFL SLUDGE	-2.29	
VRCBL-RC BFL SLUDGE L	0.01	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.09	
VRCL-RC SLUDGE R	-1.57	
VTCC-TC CVR SLUDGE	-0.92	
VVDL-VALVE DECK SLUDGE L	0.45	
VVDR-VALVE DECK SLUDGE R	-0.53	
MAXIMUM	-3.95	
MINIMUM	0.01	
RANGE(MAX-MIN)	-3.960	
MEAN	-0.970	
STANDARD DEVIATION	1.322	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Foecking, Brian

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.20	
ISMRC-ISM ROCKER COVER	0.62	
VOP-OIL PAN SLUDGE	0.41	
VOPB-OIL PAN BFL SLUDGE	0.13	
VRCBL-RC BFL SLUDGE L	-0.36	
VRCBR-RC BFL SLUDGE R	-2.16	
VRCL-RC SLUDGE L	-1.22	
VRCL-RC SLUDGE R	-1.39	
VTCC-TC CVR SLUDGE	-0.72	
VVDL-VALVE DECK SLUDGE L	-0.03	
VVDR-VALVE DECK SLUDGE R	-0.47	
MAXIMUM	-2.16	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-2.130	
MEAN	-0.581	
STANDARD DEVIATION	0.852	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Garcia, Orlando

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.68	
ISMRC-ISM ROCKER COVER	-0.86	
VOP-OIL PAN SLUDGE	0.01	
VOPB-OIL PAN BFL SLUDGE	0.18	
VRCBL-RC BFL SLUDGE L	-0.27	
VRCBR-RC BFL SLUDGE R	-0.48	
VRCL-RC SLUDGE L	-1.41	
VRCL-RC SLUDGE R	-1.02	
VTCC-TC CVR SLUDGE	-1.12	
VVDL-VALVE DECK SLUDGE L	-1.54	
VVDR-VALVE DECK SLUDGE R	-0.60	
MAXIMUM	-1.68	
MINIMUM	0.01	
RANGE(MAX-MIN)	-1.690	
MEAN	-0.799	
STANDARD DEVIATION	0.624	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hayden, Matthew

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.82	
ISMRC-ISM ROCKER COVER	-0.54	
VOP-OIL PAN SLUDGE	0.35	
VOPB-OIL PAN BFL SLUDGE	0.24	
VRCBL-RC BFL SLUDGE L	-1.20	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.56	
VRCL-RC SLUDGE R	-0.75	
VTCC-TC CVR SLUDGE	0.38	
VVDL-VALVE DECK SLUDGE L	0.21	
VVDR-VALVE DECK SLUDGE R	-1.09	
MAXIMUM	-1.20	
MINIMUM	-0.20	
RANGE(MAX-MIN)	-1.000	
MEAN	-0.260	
STANDARD DEVIATION	0.643	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hills, Barry

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.82	
ISMRC-ISM ROCKER COVER	0.62	
VOP-OIL PAN SLUDGE	0.62	
VOPB-OIL PAN BFL SLUDGE	0.44	
VRCBL-RC BFL SLUDGE L	0.84	
VRCBR-RC BFL SLUDGE R	0.08	
VRCL-RC SLUDGE L	0.85	
VRCL-RC SLUDGE R	0.07	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	1.32	
VVDR-VALVE DECK SLUDGE R	1.13	
MAXIMUM	1.32	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.340	
MEAN	0.466	
STANDARD DEVIATION	0.608	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Hodgson, Joshua

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN		
ISMRC-ISM ROCKER COVER		
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		
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Jiao, Deng

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.60	
ISMRC-ISM ROCKER COVER	1.20	
VOP-OIL PAN SLUDGE	1.11	
VOPB-OIL PAN BFL SLUDGE	1.73	
VRCBL-RC BFL SLUDGE L	0.65	
VRCBR-RC BFL SLUDGE R	0.55	
VRCL-RC SLUDGE L	1.03	
VRCL-RC SLUDGE R	1.89	
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM	1.89	
MINIMUM	0.55	
RANGE(MAX-MIN)	1.340	
MEAN	1.095	
STANDARD DEVIATION	0.506	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= JUNJUN, ZHU

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.27	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	1.90	
VOPB-OIL PAN BFL SLUDGE	2.14	
VRCBL-RC BFL SLUDGE L	0.47	
VRCBR-RC BFL SLUDGE R	1.67	
VRCL-RC SLUDGE L	0.94	
VRCL-RC SLUDGE R	1.61	
VTCC-TC CVR SLUDGE	-0.52	
VVDL-VALVE DECK SLUDGE L	0.45	
VVDR-VALVE DECK SLUDGE R	2.36	
MAXIMUM	2.36	
MINIMUM	-0.02	
RANGE(MAX-MIN)	2.380	
MEAN	1.115	
STANDARD DEVIATION	0.930	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.68	
ISMRC-ISM ROCKER COVER	-0.09	
VOP-OIL PAN SLUDGE	0.19	
VOPB-OIL PAN BFL SLUDGE	0.60	
VRCBL-RC BFL SLUDGE L	-0.55	
VRCBR-RC BFL SLUDGE R	1.02	
VRCL-RC SLUDGE L	0.09	
VRCL-RC SLUDGE R	0.07	
VTCC-TC CVR SLUDGE	0.68	
VVDL-VALVE DECK SLUDGE L	0.29	
VVDR-VALVE DECK SLUDGE R	0.14	
MAXIMUM	-1.68	
MINIMUM	0.07	
RANGE(MAX-MIN)	-1.750	
MEAN	0.069	
STANDARD DEVIATION	0.714	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Liang, Chen

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.27	
ISMRC-ISM ROCKER COVER	0.81	
VOP-OIL PAN SLUDGE	1.20	
VOPB-OIL PAN BFL SLUDGE	0.75	
VRCBL-RC BFL SLUDGE L	0.47	
VRCBR-RC BFL SLUDGE R	-0.01	
VRCL-RC SLUDGE L	0.75	
VRCL-RC SLUDGE R	1.61	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	0.85	
VVDR-VALVE DECK SLUDGE R	1.19	
MAXIMUM	1.61	
MINIMUM	-0.01	
RANGE(MAX-MIN)	1.620	
MEAN	0.806	
STANDARD DEVIATION	0.513	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lonsway, Chris

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.82	
ISMRC-ISM ROCKER COVER	0.88	
VOP-OIL PAN SLUDGE	-0.78	
VOPB-OIL PAN BFL SLUDGE	-0.13	
VRCBL-RC BFL SLUDGE L	-0.64	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	-1.69	
VRCL-RC SLUDGE R	-1.29	
VTCC-TC CVR SLUDGE	-0.12	
VVDL-VALVE DECK SLUDGE L	-0.59	
VVDR-VALVE DECK SLUDGE R	-0.53	
MAXIMUM	-1.69	
MINIMUM	-0.12	
RANGE(MAX-MIN)	-1.570	
MEAN	-0.537	
STANDARD DEVIATION	0.672	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Lopez, Frank

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.06	
ISMRC-ISM ROCKER COVER	-0.35	
VOP-OIL PAN SLUDGE	0.59	
VOPB-OIL PAN BFL SLUDGE	0.65	
VRCBL-RC BFL SLUDGE L	0.93	
VRCBR-RC BFL SLUDGE R	0.64	
VRCL-RC SLUDGE L	0.09	
VRCL-RC SLUDGE R	0.34	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	-0.27	
VVDR-VALVE DECK SLUDGE R	-0.41	
MAXIMUM	0.93	
MINIMUM	-0.02	
RANGE(MAX-MIN)	0.950	
MEAN	0.194	
STANDARD DEVIATION	0.461	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pan, Yinliang

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.65	
ISMRC-ISM ROCKER COVER	0.68	
VOP-OIL PAN SLUDGE	-0.51	
VOPB-OIL PAN BFL SLUDGE	-0.02	
VRCBL-RC BFL SLUDGE L	2.60	
VRCBR-RC BFL SLUDGE R	1.48	
VRCL-RC SLUDGE L	1.98	
VRCL-RC SLUDGE R	1.89	
VTCC-TC CVR SLUDGE	2.18	
VVDL-VALVE DECK SLUDGE L	1.80	
VVDR-VALVE DECK SLUDGE R	1.07	
MAXIMUM	2.60	
MINIMUM	-0.02	
RANGE(MAX-MIN)	2.620	
MEAN	1.345	
STANDARD DEVIATION	0.955	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Pitta, Jimmy

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN		
ISMRC-ISM ROCKER COVER		
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		
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Price, Gregory

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.49	
ISMRC-ISM ROCKER COVER	-0.47	
VOP-OIL PAN SLUDGE	0.29	
VOPB-OIL PAN BFL SLUDGE	-0.85	
VRCBL-RC BFL SLUDGE L	-1.66	
VRCBR-RC BFL SLUDGE R	-0.57	
VRCL-RC SLUDGE L	-1.32	
VRCL-RC SLUDGE R	-0.93	
VTCC-TC CVR SLUDGE	-0.92	
VVDL-VALVE DECK SLUDGE L	-1.62	
VVDR-VALVE DECK SLUDGE R	-1.21	
MAXIMUM	-1.66	
MINIMUM	0.29	
RANGE(MAX-MIN)	-1.950	
MEAN	-0.977	
STANDARD DEVIATION	0.580	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rappmund, Scott

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.03	
ISMRC-ISM ROCKER COVER	0.94	
VOP-OIL PAN SLUDGE	-2.42	
VOPB-OIL PAN BFL SLUDGE	-3.37	
VRCBL-RC BFL SLUDGE L	0.84	
VRCBR-RC BFL SLUDGE R	1.86	
VRCL-RC SLUDGE L	0.00	
VRCR-RC SLUDGE R	0.61	
VTCC-TC CVR SLUDGE	0.88	
VVDL-VALVE DECK SLUDGE L	-0.83	
VVDR-VALVE DECK SLUDGE R	-0.78	
MAXIMUM	-3.37	
MINIMUM	0.00	
RANGE(MAX-MIN)	-3.370	
MEAN	-0.204	
STANDARD DEVIATION	1.557	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Edward

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.25	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	0.25	
VOPB-OIL PAN BFL SLUDGE	0.03	
VRCBL-RC BFL SLUDGE L	0.47	
VRCBR-RC BFL SLUDGE R	-2.34	
VRCL-RC SLUDGE L	-0.56	
VRCL-RC SLUDGE R	0.25	
VTCC-TC CVR SLUDGE	0.08	
VVDL-VALVE DECK SLUDGE L	0.29	
VVDR-VALVE DECK SLUDGE R	-0.47	
MAXIMUM	-2.34	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-2.320	
MEAN	-0.206	
STANDARD DEVIATION	0.777	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.98	
ISMRC-ISM ROCKER COVER		
VOP-OIL PAN SLUDGE	-1.66	
VOPB-OIL PAN BFL SLUDGE	-0.95	
VRCBL-RC BFL SLUDGE L	-0.83	
VRCBR-RC BFL SLUDGE R	0.64	
VRCL-RC SLUDGE L	-0.47	
VRCL-RC SLUDGE R	-0.11	
VTCC-TC CVR SLUDGE	-1.62	
VVDL-VALVE DECK SLUDGE L	0.05	
VVDR-VALVE DECK SLUDGE R	0.14	
MAXIMUM	-1.66	
MINIMUM	0.05	
RANGE(MAX-MIN)	-1.710	
MEAN	-0.383	
STANDARD DEVIATION	0.890	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Arthur

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.79	
ISMRC-ISM ROCKER COVER	0.62	
VOP-OIL PAN SLUDGE	-1.66	
VOPB-OIL PAN BFL SLUDGE	0.18	
VRCBL-RC BFL SLUDGE L	0.56	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	0.47	
VRCL-RC SLUDGE R	-0.48	
VTCC-TC CVR SLUDGE	1.18	
VVDL-VALVE DECK SLUDGE L	-0.11	
VVDR-VALVE DECK SLUDGE R	0.51	
MAXIMUM	-1.66	
MINIMUM	-0.11	
RANGE(MAX-MIN)	-1.550	
MEAN	0.296	
STANDARD DEVIATION	0.819	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Sanchez, Christopher

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.60	
ISMRC-ISM ROCKER COVER	-0.67	
VOP-OIL PAN SLUDGE	0.71	
VOPB-OIL PAN BFL SLUDGE	0.49	
VRCBL-RC BFL SLUDGE L	0.47	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.19	
VRCR-RC SLUDGE R	0.98	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	-0.19	
VVDR-VALVE DECK SLUDGE R	0.02	
MAXIMUM	0.98	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.000	
MEAN	0.216	
STANDARD DEVIATION	0.483	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= StremLOW, Mike

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.36	
ISMRC-ISM ROCKER COVER	0.36	
VOP-OIL PAN SLUDGE	0.89	
VOPB-OIL PAN BFL SLUDGE	0.03	
VRCBL-RC BFL SLUDGE L	0.65	
VRCBR-RC BFL SLUDGE R	-0.10	
VRCL-RC SLUDGE L	0.47	
VRCL-RC SLUDGE R	-0.20	
VTCC-TC CVR SLUDGE	1.48	
VVDL-VALVE DECK SLUDGE L	0.61	
VVDR-VALVE DECK SLUDGE R	0.94	
MAXIMUM	1.48	
MINIMUM	0.03	
RANGE(MAX-MIN)	1.450	
MEAN	0.590	
STANDARD DEVIATION	0.555	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Terrado, Ken

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN		
ISMRC-ISM ROCKER COVER		
VOP-OIL PAN SLUDGE		
VOPB-OIL PAN BFL SLUDGE		
VRCBL-RC BFL SLUDGE L		
VRCBR-RC BFL SLUDGE R		
VRCL-RC SLUDGE L		
VRCR-RC SLUDGE R		
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Trevino, Robert

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.51	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	0.19	
VOPB-OIL PAN BFL SLUDGE	0.44	
VRCBL-RC BFL SLUDGE L	0.84	
VRCBR-RC BFL SLUDGE R	-0.10	
VRCL-RC SLUDGE L	0.38	
VRCL-RC SLUDGE R	0.80	
VTCC-TC CVR SLUDGE	-0.42	
VVDL-VALVE DECK SLUDGE L	-1.07	
VVDR-VALVE DECK SLUDGE R	-0.41	
MAXIMUM	-1.07	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-1.050	
MEAN	0.104	
STANDARD DEVIATION	0.580	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Ueta, Yuki

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN		
ISMRC-ISM ROCKER COVER		
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		
VTCC-TC CVR SLUDGE		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Veiga, Victor

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.54	
ISMRC-ISM ROCKER COVER	0.55	
VOP-OIL PAN SLUDGE	-1.51	
VOPB-OIL PAN BFL SLUDGE	0.24	
VRCBL-RC BFL SLUDGE L	-0.09	
VRCBR-RC BFL SLUDGE R	-0.20	
VRCL-RC SLUDGE L	0.47	
VRCL-RC SLUDGE R	-0.48	
VTCC-TC CVR SLUDGE	-0.42	
VVDL-VALVE DECK SLUDGE L	1.56	
VVDR-VALVE DECK SLUDGE R	1.80	
MAXIMUM	1.80	
MINIMUM	-0.09	
RANGE(MAX-MIN)	1.890	
MEAN	0.125	
STANDARD DEVIATION	0.954	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Rater= Von Staden, Jon

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.27	
ISMRC-ISM ROCKER COVER	0.10	
VOP-OIL PAN SLUDGE	0.10	
VOPB-OIL PAN BFL SLUDGE	0.34	
VRCBL-RC BFL SLUDGE L	0.84	
VRCBR-RC BFL SLUDGE R	-0.01	
VRCL-RC SLUDGE L	1.88	
VRCL-RC SLUDGE R	1.25	
VTCC-TC CVR SLUDGE	-0.22	
VVDL-VALVE DECK SLUDGE L	-0.35	
VVDR-VALVE DECK SLUDGE R	0.82	
MAXIMUM	1.88	
MINIMUM	-0.01	
RANGE(MAX-MIN)	1.890	
MEAN	0.547	
STANDARD DEVIATION	0.714	

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

Demerit Piston Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Aguirre, Nancy P	12	73.8%	98.4%	100.0%	0.0%	0.69	WHITE	
Barrera, Tony	14	63.2%	94.9%	98.5%	1.5%	1.01	WHITE	
Castillo, George	14	60.3%	96.3%	100.0%	0.0%	1.04	WHITE	
DeCapite, Vanessa	14	64.0%	97.1%	99.3%	0.7%	0.96	WHITE	
Foecking, Brian	14	72.1%	97.8%	100.0%	0.0%	0.89	WHITE	
Hayden, Matthew	13	72.2%	97.6%	99.2%	0.8%	0.89	WHITE	
Hills, Barry	14	66.9%	94.9%	99.3%	0.7%	1.02	WHITE	
Kobrinetz, Joaquin J.	14	83.8%	100.0%	100.0%	0.0%	0.70	RED	
Lonsway, Chris	14	79.4%	99.3%	100.0%	0.0%	0.75	WHITE	
Lopez, Frank	12	72.2%	97.6%	100.0%	0.0%	0.85	WHITE	
Price, Gregory	14	69.1%	99.3%	100.0%	0.0%	0.88	WHITE	
Rodriguez, Jesus (Jesse)	13	61.8%	93.1%	100.0%	0.0%	1.06	WHITE	
Sanchez, Arthur	7	70.6%	95.6%	100.0%	0.0%	0.96	WHITE	
Trevino, Robert	12	88.1%	100.0%	100.0%	0.0%	0.54	BLUE	
Arrizon, Richard	6	77.2%	100.0%	100.0%	0.0%	0.78	WHITE	
Bolaney, Jonathan	10	71.3%	97.7%	100.0%	0.0%	0.88	WHITE	
Broff, Andy	14	75.7%	98.5%	99.3%	0.7%	0.79	WHITE	
Cales, Jonathon	6	80.4%	98.0%	100.0%	0.0%	0.81	RED	
Chao, Qian	14	43.4%	64.0%	75.0%	25.0%	3.33	YELLOW	
Demel, Samuel	6	79.4%	100.0%	100.0%	0.0%	0.76	WHITE	
Dominguez, Lucio	9	79.6%	100.0%	100.0%	0.0%	0.85	WHITE	
Escobar, Wilmar	6	63.2%	100.0%	100.0%	0.0%	0.93	WHITE	
Garcia, Orlando	14	55.2%	83.8%	96.3%	3.7%	1.43	YELLOW	
Hodgson, Joshua	6	60.7%	91.8%	100.0%	0.0%	1.12	WHITE	
Jiao, Deng	2	14.3%	61.9%	85.7%	14.3%	2.26	N/A	
JUNJUN, ZHU	14	54.4%	81.6%	89.0%	11.0%	3.85	YELLOW	
Liang, Chen	14	66.9%	91.2%	95.6%	4.4%	1.25	YELLOW	
Pan, Yinliang	9	44.3%	73.9%	88.6%	11.4%	1.87	YELLOW	
Pitta, Jimmy	7	73.0%	98.7%	100.0%	0.0%	0.83	WHITE	
Rappmund, Scott	11	57.7%	93.3%	100.0%	0.0%	1.12	YELLOW	
Rodriguez, Edward	7	82.4%	100.0%	100.0%	0.0%	0.76	RED	
Sanchez, Christopher	7	86.3%	100.0%	100.0%	0.0%	0.65	BLUE	
Stremlow, Mike	14	66.2%	91.2%	95.6%	4.4%	1.20	WHITE	
Terrado, Ken	6	67.2%	100.0%	100.0%	0.0%	0.93	WHITE	
Ueta, Yuki	6	76.2%	100.0%	100.0%	0.0%	0.79	WHITE	
Veiga, Victor	11	64.3%	94.9%	99.0%	1.0%	1.05	WHITE	
Von Staden, Jon	9	60.2%	96.8%	98.9%	1.1%	1.02	WHITE	

Group Criteria

	Minimum	Minimum	Minimum	Maximum	Group	
	Number of	Yi's Within	Yi's Within	Overall Yi	Totals	
	Parts Rated	1 STD of	2 STD of	STD		
White	6	60%	90%	1.20	25	69%
Red	6	80%	95%	0.85	3	8%
Blue	6	85%	98%	0.75	2	6%
Yellow	-	-	-	-	6	17%

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

C13 Ring Carbon

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Barrera, Tony	18	50.0%	100.0%	100.0%	0.0%	0.48	YELLOW	
Castillo, George	36	66.7%	97.2%	100.0%	0.0%	0.90	WHITE	
DeCapite, Vanessa	24	87.5%	100.0%	100.0%	0.0%	0.59	BLUE	
Foecking, Brian	24	91.7%	100.0%	100.0%	0.0%	0.37	BLUE	
Hayden, Matthew	24	66.7%	100.0%	100.0%	0.0%	0.97	WHITE	
Kobrinetz, Joaquin J.	36	72.2%	100.0%	100.0%	0.0%	0.52	WHITE	
Lonsway, Chris	18	88.9%	100.0%	100.0%	0.0%	0.77	RED	
Price, Gregory	24	75.0%	100.0%	100.0%	0.0%	0.71	WHITE	
Sanchez, Arthur	24	37.5%	100.0%	100.0%	0.0%	0.47	YELLOW	
Trevino, Robert	24	91.7%	100.0%	100.0%	0.0%	0.62	BLUE	
Bolaney, Jonathan	24	62.5%	95.8%	100.0%	0.0%	0.68	WHITE	
Broff, Andy	36	52.8%	100.0%	100.0%	0.0%	0.96	YELLOW	
Chao, Qian	24	37.5%	100.0%	100.0%	0.0%	0.99	YELLOW	
Demel, Samuel	30	80.0%	100.0%	100.0%	0.0%	0.71	RED	
Dominguez, Lucio	24	66.7%	91.7%	100.0%	0.0%	0.72	WHITE	
Jiao, Deng	24	37.5%	95.8%	100.0%	0.0%	1.13	YELLOW	
JUNJUN, ZHU	24	79.2%	95.8%	100.0%	0.0%	0.89	WHITE	
Liang, Chen	24	62.5%	91.7%	100.0%	0.0%	1.09	WHITE	
Pan, Yinliang	30	16.7%	73.3%	96.7%	3.3%	0.59	YELLOW	
Rodriguez, Edward	24	79.2%	100.0%	100.0%	0.0%	0.81	WHITE	
Sanchez, Christopher	24	87.5%	100.0%	100.0%	0.0%	0.61	BLUE	
Stremlow, Mike	24	45.8%	100.0%	100.0%	0.0%	0.73	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	9	41%
Red	6	80%	95%	0.85	2	9%
Blue	6	85%	98%	0.75	4	18%
Yellow	-	-	-	-	7	32%

HEAVY DUTY RATING WORKSHOP (October 22-26, 2018)

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%	0.67	BLUE	
Barrera, Tony	11	100.0%	100.0%	100.0%	0.0%	0.39	BLUE	
Castillo, George	11	36.4%	100.0%	100.0%	0.0%	0.36	YELLOW	
DeCapite, Vanessa	11	45.5%	90.9%	100.0%	0.0%	0.90	YELLOW	
Foecking, Brian	11	63.6%	90.9%	100.0%	0.0%	0.85	WHITE	
Hayden, Matthew	11	81.8%	100.0%	100.0%	0.0%	0.64	RED	
Hills, Barry	11	81.8%	100.0%	100.0%	0.0%	0.61	RED	
Kobrinetz, Joaquin J.	11	81.8%	100.0%	100.0%	0.0%	0.71	RED	
Lonsway, Chris	11	81.8%	100.0%	100.0%	0.0%	0.67	RED	
Lopez, Frank	11	100.0%	100.0%	100.0%	0.0%	0.46	BLUE	
Price, Gregory	11	54.6%	100.0%	100.0%	0.0%	0.58	YELLOW	
Rodriguez, Jesus (Jesse)	10	80.0%	100.0%	100.0%	0.0%	0.89	WHITE	
Sanchez, Arthur	11	72.7%	100.0%	100.0%	0.0%	0.82	WHITE	
Trevino, Robert	11	90.9%	100.0%	100.0%	0.0%	0.58	BLUE	
Bolaney, Jonathan	11	100.0%	100.0%	100.0%	0.0%	0.28	BLUE	
Broff, Andy	11	72.7%	100.0%	100.0%	0.0%	0.70	WHITE	
Cales, Jonathon	11	72.7%	100.0%	100.0%	0.0%	0.57	WHITE	
Chao, Qian	11	45.5%	100.0%	100.0%	0.0%	0.54	YELLOW	
Demel, Samuel	11	90.9%	100.0%	100.0%	0.0%	0.50	BLUE	
Dominguez, Lucio	11	63.6%	90.9%	100.0%	0.0%	0.94	WHITE	
Escobar, Wilmar	11	63.6%	81.8%	90.9%	9.1%	1.32	YELLOW	
Garcia, Orlando	11	54.6%	100.0%	100.0%	0.0%	0.63	YELLOW	
Jiao, Deng	8	37.5%	100.0%	100.0%	0.0%	0.50	YELLOW	
JUNJUN, ZHU	11	45.5%	81.8%	100.0%	0.0%	0.93	YELLOW	
Liang, Chen	11	63.6%	100.0%	100.0%	0.0%	0.51	WHITE	
Pan, Yinliang	11	27.3%	81.8%	100.0%	0.0%	0.95	YELLOW	
Rappmund, Scott	11	72.7%	81.8%	90.9%	9.1%	1.56	YELLOW	
Rodriguez, Edward	11	90.9%	90.9%	100.0%	0.0%	0.78	WHITE	
Sanchez, Christopher	11	100.0%	100.0%	100.0%	0.0%	0.48	BLUE	
Stremlow, Mike	11	81.8%	100.0%	100.0%	0.0%	0.56	RED	
Veiga, Victor	11	72.7%	100.0%	100.0%	0.0%	0.95	WHITE	
Von Staden, Jon	11	72.7%	100.0%	100.0%	0.0%	0.71	WHITE	

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	31%
Red	6	80%	95%	0.85	5	16%
Blue	6	85%	98%	0.75	7	22%
Yellow	-	-	-	-	10	31%