



## **Test Monitoring Center**

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To Participants of the ASTM International Light Duty Rating Workshop,

The 2009 ASTM International Light Duty Rating Workshop was held Monday, May 11, through Friday, May 15, 2009 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,  
Frank Farber & Michael Kasimirsky  
Workshop Coordinators

## **MINUTES**

### **LIGHT DUTY RATING WORKSHOP - SAN ANTONIO, TX**

May 11-15, 2009

Workshop Coordinators: Frank Farber, Michael Kasimirsky, Rich Grundza

Deposit Rating Project Leader: Tony Barrera

#### **Sunday:**

12:30-13:30 Workshop Coordinators loaded truck and transported workshop equipment to hotel.

13:30-14:00 Unload truck; set up booths, and computer network.

#### **Monday:**

08:00-09:00 Deposit Rating Project Leader, Tony Barrera directed parts setup.

09:00-09:40 Frank Farber made introductory remarks, helped raters to connect to the Workshop computer network. A definition review of Light and Heavy Carbon was conducted. Sequence V oil screens were discussed briefly. Rating forms and new, serialized rust/varnish/lacquer scales were distributed.

09:30- 12:30 Rating of "composite" calibration pistons CAL1A, CAL1B, sludge VSCAL1 and varnish VVCAL1.

13:30-14:30 Review of data from calibration exercise 1.

14:30-17:00 Rating of "composite" calibration pistons CAL2A, CAL2B, piston skirt varnish VOCAL, sludge SCAL2, Oil Screens and calibration piston tops PTCAL, calibration valves VALCAL.

17:00-18:30 Review of data from calibration exercise 2. A significant discussion on the rating of oil screens was conducted. In short, the raters feel that the current rating method needs improved. Three options were discussed:

1. Eliminate oil screen rating entirely and move to a flow measurement procedure
2. Rate the oil screen under vacuum in order to improve sludge recognition from oil film.
3. Rate screens as currently done with the following guideline: Rate the oil screens such that if you see the screen, i.e. oil film, it is not sludge.

Some raters felt that option 1 was the only path to follow. Others raters felt options 2 and 3 had some value. For the purposes of the workshop it was decided to try option 3 the next day to see if the precision of the ratings would improve. Frank Farber and Rich Grundza agreed to discuss the other proposals with surveillance panel members and their respective raters to see if there was any energy to evaluate options 1 and 2. The data will be presented to the Sequence VG surveillance panel at their next meeting.

18:40-19:50 Frank Farber, Michael Kasimirsky and Rich Grundza performed computer cleanups and database backup. Practical applications parts were substituted for calibration parts in the rating booths.

#### **Tuesday:**

7:00-12:00 Practical Application Part Rating and rerating of oil screens with new the application of the new guideline mentioned above (option 3)

12:00-13:00 Lunch

13:00-17:30 Continuation of Rating

17:30 – 18:30 Final Data Review

18:30 – 19:30 Frank Farber, Michael Kasimirsky and Rich Grundza performed computer cleanups and database backup. Calibration parts were substituted for practical application parts in the rating booths.

**Wednesday:**

08:00-09:00 Frank Farber made introductory remarks, helped raters to connect to the Workshop computer network. A definition review of Light and Heavy Carbon was conducted. Sequence V oil screens were discussed briefly. Rating forms and new, serialized rust/varnish/lacquer scales were distributed.

9:30-11:50 Rating of “composite” calibration pistons CAL1A, CAL1B, sludge VSCAL1 and varnish VVCAL1.

11:50-12:10 Review of data from calibration exercise 1.

12:10-13:00 Lunch.

13:00-16:30 Rating of “composite” calibration pistons CAL2A & CAL2B, sequence V calibration pistons, and induction/combustion calibration parts.

16:30-17:10 Review of data from calibration exercise 2.

17:10- 18:00 Data backup/daily cleanup.

**Thursday:**

08:00-12:00 Rating of practical application parts.

12:00-13:00 Lunch.

13:00-16:00 Continuation of rating. Most raters concluded their rating for the day at 16:00; Two continued until 19:30. Database backup.

**Friday:**

08:00-10:30 Continuation of rating.

10:30-12:00 Final data review.

12:00-13:00 Discussion.

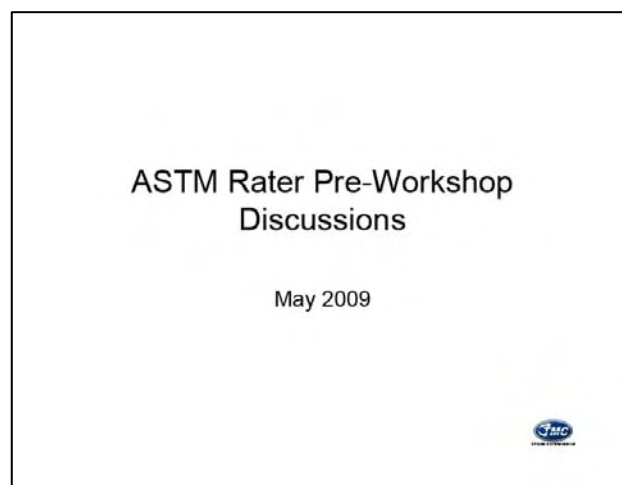
13:00-16:00 Frank Farber and Rich Grundza dismantled equipment and loaded the truck.

16:15-17:17 Frank and Rich unloaded the truck and returned equipment to storage.

c: <ftp://ftp.astmtmc.cmu.edu/docs/>

Distribution: Electronic

Opening Presentation:



## Rating Manuals

ASTM Headquarters supplies:

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

Go to : [WWW.ASTM.ORG](http://WWW.ASTM.ORG)



## Rating Manuals 20 & 21



## Workshop Format

- 1<sup>st</sup> Calibration Exercise
  - 2 Composite Pistons
  - Sludge Parts
    - Left Rocker Cover Baffle
  - Varnish Parts
    - 4 Pistons
    - Left Rocker Cover Baffle

Data Review & Discussion

- 2<sup>nd</sup> Calibration Exercise
  - 2 Composite Pistons
  - Sludge Parts
    - Right Rocker Cover Baffle
  - Varnish
    - Right Rocker Cover Baffle
  - Valves (2)
  - Piston Tops (2)
  - Data Review & Discussion



## Workshop Format (Continued)

- Practical Application
  - Deposits (10 small bore piston, 2 square-cut)
  - PSV (4 piston sets)
  - Varnish
    - Right & Left Rocker Cover Baffle
  - Sludge
    - Right & Left Rocker Cover
    - Right & Left Rocker Cover Baffle
    - Front Cover
    - Oil Pan & Baffle
    - Right & Left Valve Deck



## Workshop Format (Continued)

- Practical Application
  - Piston Tops (8)
  - Combustion Chambers (8)
  - Intake Runners (8)
  - Oil Screens (9)



## 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 < 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 Light Carbon.



## Groove Deposit Review

Typical Illustration	100%	>25% <100%	≤25%
Clearance Fill	100%	>25% <100%	≤25%
Description	HC	MC	LC
Deposit Factor (Dement)	1.00	0.50	0.25
Deposit Factor (Ment)	0.00	0.50	0.75

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



## Oil Screens

- Rate the oil screens such that if you see the screen, i.e. oil film, it is not sludge.



## Volunteers

- Tony Barrera & entire Intertek Staff for their Support  
 – Thank you!!!



## **Notes on the Data**

Following is the data produced during the May 11-15, 2009, ASTM International Light Duty Rating Workshop.

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

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

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

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL1A - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Lopez, Frank	0.72	0.53	7.52	0.86	4.41	1.98	9.76	10.00	
Castillo, George	0.69	0.62	7.27	1.03	4.37	2.93	9.68	10.00	
Sanchez, Art	0.60	0.64	7.94	0.61	4.98	2.70	9.70	9.80	
Foecking, Brian	0.74	0.50	6.99	0.96	4.18	2.15	9.55	10.00	
Barrera, Tony	0.71	0.52	7.54	0.87	3.70	3.23	9.53	9.96	
Hills, Barry	0.69	0.68	7.68	0.70	4.40	2.58	9.58	9.87	
Kobrinetz, Jack	0.74	0.52	7.50	0.75	4.39	2.24	9.76	9.90	
Lonsway, Chris	0.92	0.62	7.40	1.09	4.35	2.70	9.31	9.90	
Caproni, David	0.96	0.55	7.09	1.13	4.46	2.95	9.53	10.00	
Adams, Pat	0.78	0.54	7.30	0.86	4.16	2.08	9.54	9.90	
Cales, Jonathon	0.75	0.45	7.32	1.00	4.42	3.27	9.68	10.00	
Sherrod, Jeff	0.96	0.68	6.90	0.79	4.66	4.00	9.89	10.00	
Avis, Steve	0.71	0.52	7.64	0.91	4.86	2.35	9.56	9.86	
Zalewski, John	0.52	0.45	7.39	0.92	4.18	4.66	9.59	9.90	
Langford, Mike	0.84	0.54	6.47	0.89	4.62	2.50	9.47	10.00	
Hurst, Kevin	0.93	0.51	7.63	1.06	4.41	2.60	9.60	9.74	
Trevino, Robert	0.98	0.62	7.41	1.22	4.25	2.30	9.51	9.82	
Greenland, Paul	0.75	0.56	7.36	0.96	4.37	2.85	9.47	9.95	
May, Marianne	0.95	0.55	7.17	0.85	4.24	1.93	9.57	9.94	
Radonich, Pete	0.84	0.55	7.24	0.68	4.10	2.05	9.52	9.95	
Viera, Ralph	1.00	0.55	7.55	0.88	5.21	2.38	9.54	10.00	
Shoda, Ron	1.16	0.64	6.99	0.82	3.42	2.10	9.64	9.90	
Rodriguez, Jesse	0.75	0.57	7.38	0.97	4.51	2.11	9.57	9.90	
Lowsky, John	0.83	0.64	7.30	1.16	5.52	4.65	9.28	9.90	
Seiz, Ray	0.65	0.50	7.00	0.98	5.18	2.77	9.47	9.79	
MAXIMUM	1.16	0.68	7.94	1.22	5.52	4.66	9.89	10.00	
MINIMUM	0.52	0.45	6.47	0.61	3.42	1.93	9.28	9.74	
RANGE(MAX-MIN)	0.640	0.230	1.470	0.610	2.100	2.730	0.610	0.260	
MEAN	0.807	0.562	7.319	0.918	4.454	2.722	9.572	9.919	
STANDARD DEVIATION	0.146	0.064	0.304	0.150	0.451	0.754	0.132	0.076	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL1A - CALIBRATION PISTON

CAL1A Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Lopez, Frank	-0.59	-0.50	0.66	-0.39	-0.10	-0.98	1.43	1.07	
Castillo, George	-0.80	0.90	-0.16	0.74	-0.19	0.28	0.82	1.07	
Sanchez, Art	-1.41	1.21	2.04	-2.05	1.17	-0.03	0.97	-1.57	
Foecking, Brian	-0.46	-0.96	-1.08	0.28	-0.61	-0.76	-0.17	1.07	
Barrera, Tony	-0.66	-0.65	0.73	-0.32	-1.67	0.67	-0.32	0.54	
Hills, Barry	-0.80	1.83	1.19	-1.45	-0.12	-0.19	0.06	-0.65	
Kobrinetz, Jack	-0.46	-0.65	0.60	-1.12	-0.14	-0.64	1.43	-0.25	
Lonsway, Chris	0.77	0.90	0.27	1.14	-0.23	-0.03	-1.99	-0.25	
Caproni, David	1.05	-0.19	-0.75	1.41	0.01	0.30	-0.32	1.07	
Adams, Pat	-0.18	-0.34	-0.06	-0.39	-0.65	-0.85	-0.24	-0.25	
Cales, Jonathon	-0.39	-1.74	0.00	0.55	-0.08	0.73	0.82	1.07	
Sherrod, Jeff	1.05	1.83	-1.38	-0.85	0.46	1.69	2.42	1.07	
Avis, Steve	-0.66	-0.65	1.06	-0.05	0.90	-0.49	-0.09	-0.78	
Zalewski, John	-1.96	-1.74	0.23	0.01	-0.61	2.57	0.14	-0.25	
Langford, Mike	0.23	-0.34	-2.80	-0.19	0.37	-0.29	-0.78	1.07	
Hurst, Kevin	0.84	-0.81	1.02	0.94	-0.10	-0.16	0.21	-2.37	
Trevino, Robert	1.19	0.90	0.30	2.01	-0.45	-0.56	-0.47	-1.31	
Greenland, Paul	-0.39	-0.03	0.13	0.28	-0.19	0.17	-0.78	0.41	
May, Marianne	0.98	-0.19	-0.49	-0.45	-0.47	-1.05	-0.02	0.27	
Radonich, Pete	0.23	-0.19	-0.26	-1.58	-0.79	-0.89	-0.40	0.41	
Viera, Ralph	1.32	-0.19	0.76	-0.25	1.68	-0.45	-0.24	1.07	
Shoda, Ron	2.42	1.21	-1.08	-0.65	-2.29	-0.83	0.52	-0.25	
Rodriguez, Jesse	-0.39	0.12	0.20	0.35	0.12	-0.81	-0.02	-0.25	
Lowsky, John	0.16	1.21	-0.06	1.61	2.37	2.56	-2.22	-0.25	
Seiz, Ray	-1.07	-0.96	-1.05	0.41	1.61	0.06	-0.78	-1.71	
MAXIMUM	2.42	1.83	-2.80	-2.05	2.37	2.57	2.42	-2.37	
MINIMUM	0.16	-0.03	0.00	0.01	0.01	-0.03	-0.02	-0.25	
RANGE(MAX-MIN)	2.258	1.863	-2.798	-2.061	2.352	2.598	2.433	-2.113	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL1B - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Castillo, George	3.96	1.32	9.00	0.71	3.36	1.45	8.92	10.00	
Foecking, Brian	4.17	1.47	9.01	0.51	2.33	1.10	8.85	9.90	
Sanchez, Art	3.82	1.38	9.22	0.34	3.11	1.30	8.73	9.80	
Hills, Barry	2.98	1.14	9.27	0.41	2.46	1.00	9.37	9.85	
Lopez, Frank	3.82	1.28	8.97	0.53	3.31	1.05	9.23	10.00	
Barrera, Tony	3.31	1.19	8.96	0.53	2.80	1.23	8.76	9.96	
Kobrinetz, Jack	3.64	1.43	9.12	0.49	3.10	1.19	9.23	9.90	
Adams, Pat	4.15	1.20	9.19	0.44	3.12	1.43	8.82	9.90	
Cales, Jonathon	4.34	1.17	9.15	0.52	3.41	1.39	8.89	10.00	
May, Marianne	3.10	1.34	8.93	0.49	3.40	1.05	8.81	9.92	
Zalewski, John	4.08	1.67	9.05	0.38	3.71	2.18	9.43	9.90	
Avis, Steve	4.59	1.40	9.17	0.43	3.71	1.10	8.76	9.90	
Trevino, Robert	3.82	1.60	8.97	0.53	4.25	1.30	9.05	9.70	
Sherrod, Jeff	3.45	1.64	9.35	0.64	4.10	3.20	9.60	10.00	
Caproni, David	3.69	1.24	8.96	0.65	3.66	1.60	8.66	10.00	
Lonsway, Chris	3.25	1.93	8.98	0.66	2.82	1.33	8.16	9.90	
Langford, Mike	3.64	1.63	9.27	0.45	3.77	3.00	9.45	10.00	
Viera, Ralph	4.23	1.34	9.11	0.64	3.43	1.40	8.99	9.98	
Hurst, Kevin	4.25	1.14	8.91	0.37	3.64	1.10	9.59	9.76	
Greenland, Paul	4.17	1.89	8.83	0.47	4.07	2.20	8.66	9.90	
Rodriguez, Jesse	3.86	1.19	9.07	0.50	3.16	1.05	8.90	9.90	
Lowsky, John	3.96	1.66	8.53	0.75	4.06	2.65	8.55	9.90	
Radonich, Pete	4.18	1.21	9.01	0.50	2.20	1.15	8.68	9.95	
Shoda, Ron	4.26	1.27	9.00	0.51	2.69	1.07	8.64	9.90	
Seiz, Ray	4.47	1.87	8.66	0.41	4.34	1.20	9.11	9.80	
MAXIMUM	4.59	1.93	9.35	0.75	4.34	3.20	9.60	10.00	
MINIMUM	2.98	1.14	8.53	0.34	2.20	1.00	8.16	9.70	
RANGE(MAX-MIN)	1.610	0.790	0.820	0.410	2.140	2.200	1.440	0.300	
MEAN	3.888	1.424	9.028	0.514	3.360	1.509	8.954	9.909	
STANDARD DEVIATION	0.425	0.246	0.183	0.107	0.591	0.628	0.352	0.080	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL1B - CALIBRATION PISTON

CAL1B Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Castillo, George	0.17	-0.42	-0.15	1.82	0.00	-0.09	-0.10	1.14	
Foecking, Brian	0.66	0.19	-0.10	-0.04	-1.74	-0.65	-0.29	-0.11	
Sanchez, Art	-0.16	-0.18	1.05	-1.62	-0.42	-0.33	-0.63	-1.36	
Hills, Barry	-2.13	-1.16	1.33	-0.97	-1.52	-0.81	1.18	-0.74	
Lopez, Frank	-0.16	-0.59	-0.31	0.15	-0.09	-0.73	0.78	1.14	
Barrera, Tony	-1.36	-0.95	-0.37	0.15	-0.95	-0.44	-0.55	0.64	
Kobrinetz, Jack	-0.58	0.02	0.51	-0.23	-0.44	-0.51	0.78	-0.11	
Adams, Pat	0.62	-0.91	0.89	-0.69	-0.41	-0.13	-0.38	-0.11	
Cales, Jonathon	1.06	-1.03	0.67	0.05	0.08	-0.19	-0.18	1.14	
May, Marianne	-1.85	-0.34	-0.53	-0.23	0.07	-0.73	-0.41	0.14	
Zalewski, John	0.45	1.00	0.12	-1.25	0.59	1.07	1.35	-0.11	
Avis, Steve	1.65	-0.10	0.78	-0.79	0.59	-0.65	-0.55	-0.11	
Trevino, Robert	-0.16	0.72	-0.31	0.15	1.51	-0.33	0.27	-2.61	
Sherrod, Jeff	-1.03	0.88	1.76	1.17	1.25	2.69	1.84	1.14	
Caproni, David	-0.46	-0.75	-0.37	1.26	0.51	0.15	-0.83	1.14	
Lonsway, Chris	-1.50	2.06	-0.26	1.35	-0.91	-0.28	-2.25	-0.11	
Langford, Mike	-0.58	0.84	1.33	-0.60	0.69	2.37	1.41	1.14	
Viera, Ralph	0.81	-0.34	0.45	1.17	0.12	-0.17	0.10	0.89	
Hurst, Kevin	0.85	-1.16	-0.64	-1.34	0.47	-0.65	1.81	-1.86	
Greenland, Paul	0.66	1.90	-1.08	-0.41	1.20	1.10	-0.83	-0.11	
Rodriguez, Jesse	-0.06	-0.95	0.23	-0.13	-0.34	-0.73	-0.15	-0.11	
Lowsky, John	0.17	0.96	-2.72	2.19	1.18	1.82	-1.15	-0.11	
Radonich, Pete	0.69	-0.87	-0.10	-0.13	-1.96	-0.57	-0.78	0.52	
Shoda, Ron	0.88	-0.63	-0.15	-0.04	-1.13	-0.70	-0.89	-0.11	
Seiz, Ray	1.37	1.82	-2.01	-0.97	1.66	-0.49	0.44	-1.36	
MAXIMUM	-2.13	2.06	-2.72	2.19	-1.96	2.69	-2.25	-2.61	
MINIMUM	-0.06	0.02	-0.10	-0.04	0.00	-0.09	-0.10	-0.11	
RANGE(MAX-MIN)	-2.070	2.036	-2.624	2.233	-1.962	2.787	-2.158	-2.504	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL2A - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Foecking, Brian	3.74	0.31	8.90	0.34	9.26	1.47	8.07	9.73	
Castillo, George	3.93	0.38	8.54	0.45	9.00	1.52	8.62	9.82	
Kobrinetz, Jack	3.85	0.32	8.93	0.37	9.04	1.54	8.91	9.82	
Sanchez, Art	4.99	0.45	9.11	0.35	9.31	1.75	8.78	9.79	
Hills, Barry	3.91	0.38	9.15	0.34	9.18	1.40	9.19	9.84	
Barrera, Tony	3.69	0.31	8.65	0.18	8.97	1.85	8.41	9.84	
Lopez, Frank	3.49	0.45	8.70	0.49	9.28	1.32	8.57	9.88	
Lonsway, Chris	2.94	0.47	8.69	0.48	8.92	1.72	8.01	9.73	
Adams, Pat	3.23	0.39	8.64	0.26	8.67	1.45	8.39	9.80	
Zalewski, John	4.26	0.16	8.48	0.16	9.05	1.84	8.59	9.72	
Seiz, Ray	4.16	0.28	8.17	0.36	8.60	1.37	8.29	9.51	
Trevino, Robert	4.41	0.45	8.77	0.31	9.16	1.35	8.94	9.85	
Viera, Ralph	4.09	0.33	8.75	0.51	9.19	1.95	8.74	9.84	
Cales, Jonathon	4.33	0.35	8.47	0.59	8.99	1.66	8.61	9.78	
Avis, Steve	4.09	0.34	8.68	0.16	8.89	1.67	8.92	9.74	
Caproni, David	4.01	0.45	7.56	0.41	8.90	1.54	8.52	9.78	
Lowsky, John	4.43	0.52	8.45	0.34	9.23	1.95	8.01	9.57	
Rodriguez, Jesse	3.54	0.38	8.60	0.28	8.95	1.44	8.49	9.74	
Hurst, Kevin	3.45	0.88	8.85	0.17	9.17	1.50	9.54	9.77	
Langford, Mike	3.40	0.37	8.75	0.32	8.36	2.18	8.69	9.80	
Greenland, Paul	3.83	0.35	8.29	0.21	8.78	1.89	8.97	9.66	
Sherrod, Jeff	4.25	0.44	8.31	0.23	9.39	1.90	9.65	9.95	
May, Marianne	3.69	0.39	8.50	0.33	8.98	1.30	8.58	9.79	
Radonich, Pete	3.79	0.37	8.81	0.24	8.91	1.63	8.09	9.78	
Shoda, Ron	3.56	0.46	8.32	0.93	9.11	1.40	7.67	9.84	
MAXIMUM	4.99	0.88	9.15	0.93	9.39	2.18	9.65	9.95	
MINIMUM	2.94	0.16	7.56	0.16	8.36	1.30	7.67	9.51	
RANGE(MAX-MIN)	2.050	0.720	1.590	0.770	1.030	0.880	1.980	0.440	
MEAN	3.882	0.399	8.603	0.352	9.012	1.624	8.610	9.775	
STANDARD DEVIATION	0.442	0.125	0.327	0.167	0.237	0.238	0.463	0.092	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL2A - CALIBRATION PISTON

CAL2A Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Foecking, Brian	-0.32	-0.71	0.91	-0.07	1.05	-0.65	-1.17	-0.48	
Castillo, George	0.11	-0.15	-0.19	0.59	-0.05	-0.44	0.02	0.49	
Kobrinetz, Jack	-0.07	-0.63	1.00	0.11	0.12	-0.35	0.65	0.49	
Sanchez, Art	2.51	0.41	1.55	-0.01	1.26	0.53	0.37	0.16	
Hills, Barry	0.06	-0.15	1.67	-0.07	0.71	-0.94	1.25	0.71	
Barrera, Tony	-0.44	-0.71	0.14	-1.04	-0.18	0.95	-0.43	0.71	
Lopez, Frank	-0.89	0.41	0.30	0.83	1.13	-1.28	-0.09	1.14	
Lonsway, Chris	-2.13	0.57	0.27	0.77	-0.39	0.40	-1.30	-0.48	
Adams, Pat	-1.48	-0.07	0.11	-0.55	-1.44	-0.73	-0.48	0.27	
Zalewski, John	0.86	-1.91	-0.38	-1.16	0.16	0.91	-0.04	-0.59	
Seiz, Ray	0.63	-0.95	-1.32	0.05	-1.74	-1.07	-0.69	-2.87	
Trevino, Robert	1.19	0.41	0.51	-0.25	0.63	-1.15	0.71	0.81	
Viera, Ralph	0.47	-0.55	0.45	0.95	0.75	1.37	0.28	0.71	
Cales, Jonathon	1.01	-0.39	-0.41	1.43	-0.09	0.15	0.00	0.06	
Avis, Steve	0.47	-0.47	0.24	-1.16	-0.51	0.19	0.67	-0.38	
Caproni, David	0.29	0.41	-3.19	0.35	-0.47	-0.35	-0.19	0.06	
Lowsky, John	1.24	0.96	-0.47	-0.07	0.92	1.37	-1.30	-2.22	
Rodriguez, Jesse	-0.78	-0.15	-0.01	-0.43	-0.26	-0.77	-0.26	-0.38	
Hurst, Kevin	-0.98	3.84	0.76	-1.10	0.67	-0.52	2.01	-0.05	
Langford, Mike	-1.09	-0.23	0.45	-0.19	-2.75	2.34	0.17	0.27	
Greenland, Paul	-0.12	-0.39	-0.96	-0.85	-0.98	1.12	0.78	-1.24	
Sherrod, Jeff	0.83	0.33	-0.90	-0.73	1.60	1.16	2.25	1.90	
May, Marianne	-0.44	-0.07	-0.31	-0.13	-0.13	-1.36	-0.06	0.16	
Radonich, Pete	-0.21	-0.23	0.63	-0.67	-0.43	0.03	-1.12	0.06	
Shoda, Ron	-0.73	0.49	-0.87	3.47	0.41	-0.94	-2.03	0.71	
MAXIMUM	2.51	3.84	-3.19	3.47	-2.75	2.34	2.25	-2.87	
MINIMUM	0.06	-0.07	-0.01	-0.01	-0.05	0.03	0.00	-0.05	
RANGE(MAX-MIN)	2.446	3.914	-3.183	3.482	-2.698	2.310	2.247	-2.813	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL2B - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Foecking, Brian	6.77	0.75	8.84	0.73	5.66	1.68	9.23	9.90	
Kobrinetz, Jack	6.98	0.75	8.76	0.71	6.45	1.80	9.47	9.90	
Hills, Barry	6.27	0.75	9.41	0.69	5.39	1.80	9.71	9.90	
Castillo, George	7.01	0.74	8.43	0.64	5.66	1.91	9.60	9.99	
Barrera, Tony	6.05	0.75	8.68	0.68	5.25	2.14	9.25	9.99	
Lopez, Frank	6.57	0.75	8.73	0.71	6.45	1.59	9.34	10.00	
Sanchez, Art	7.11	0.75	9.20	0.64	5.71	1.93	9.70	9.90	
Zalewski, John	6.89	0.73	7.95	0.68	6.62	2.55	9.69	9.90	
Adams, Pat	5.93	0.75	8.50	0.64	6.31	1.41	9.44	9.90	
Lonsway, Chris	4.34	0.75	8.59	0.78	5.92	1.81	9.45	9.90	
Seiz, Ray	6.61	0.70	8.59	0.64	5.68	1.64	9.64	9.80	
Trevino, Robert	6.81	0.74	8.72	0.62	6.33	1.67	9.51	9.88	
May, Marianne	6.99	0.75	8.74	0.70	6.14	1.45	9.34	9.96	
Avis, Steve	6.67	0.74	8.80	0.61	5.76	1.97	9.54	9.90	
Lowsky, John	6.07	0.75	8.40	0.73	6.87	2.85	9.38	9.90	
Viera, Ralph	6.99	0.75	8.71	0.76	6.65	2.35	9.60	9.99	
Cales, Jonathon	6.69	0.72	8.77	0.81	6.01	2.54	9.34	9.98	
Caproni, David	6.26	0.72	8.15	0.83	5.87	3.05	9.21	10.00	
Langford, Mike	5.88	0.75	8.73	0.71	5.69	2.48	9.30	9.90	
Hurst, Kevin	6.22	0.74	8.85	0.82	5.58	1.89	9.73	9.79	
Rodriguez, Jesse	5.18	0.75	8.60	0.54	6.17	1.83	9.44	9.90	
Greenland, Paul	7.30	0.75	8.32	0.65	5.62	2.70	9.35	9.85	
Sherrod, Jeff	6.95	0.75	8.66	0.80	6.55	2.30	9.61	10.00	
Radonich, Pete	7.30	0.74	8.76	0.65	5.16	2.35	9.41	9.95	
Shoda, Ron	6.27	0.75	8.80	0.88	5.64	1.68	9.53	9.90	
MAXIMUM	7.30	0.75	9.41	0.88	6.87	3.05	9.73	10.00	
MINIMUM	4.34	0.70	7.95	0.54	5.16	1.41	9.21	9.79	
RANGE(MAX-MIN)	2.960	0.050	1.460	0.340	1.710	1.640	0.520	0.210	
MEAN	6.484	0.743	8.668	0.706	5.966	2.055	9.472	9.919	
STANDARD DEVIATION	0.676	0.013	0.293	0.081	0.465	0.450	0.158	0.059	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CAL2B - CALIBRATION PISTON

CAL2B Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Foecking, Brian	0.42	0.56	0.59	0.30	-0.66	-0.83	-1.53	-0.33
Kobrinetz, Jack	0.73	0.56	0.32	0.05	1.04	-0.57	-0.02	-0.33
Hills, Barry	-0.32	0.56	2.54	-0.20	-1.24	-0.57	1.50	-0.33
Castillo, George	0.78	-0.22	-0.81	-0.82	-0.66	-0.32	0.81	1.21
Barrera, Tony	-0.64	0.56	0.04	-0.32	-1.54	0.19	-1.41	1.21
Lopez, Frank	0.13	0.56	0.21	0.05	1.04	-1.03	-0.84	1.38
Sanchez, Art	0.93	0.56	1.82	-0.82	-0.55	-0.28	1.44	-0.33
Zalewski, John	0.60	-1.00	-2.45	-0.32	1.41	1.10	1.38	-0.33
Adams, Pat	-0.82	0.56	-0.57	-0.82	0.74	-1.43	-0.20	-0.33
Lonsway, Chris	-3.17	0.56	-0.27	0.91	-0.10	-0.54	-0.14	-0.33
Seiz, Ray	0.19	-3.36	-0.27	-0.82	-0.61	-0.92	1.06	-2.03
Trevino, Robert	0.48	-0.22	0.18	-1.06	0.78	-0.86	0.24	-0.67
May, Marianne	0.75	0.56	0.25	-0.07	0.38	-1.35	-0.84	0.70
Avis, Steve	0.27	-0.22	0.45	-1.19	-0.44	-0.19	0.43	-0.33
Lowsky, John	-0.61	0.56	-0.91	0.30	1.95	1.77	-0.58	-0.33
Viera, Ralph	0.75	0.56	0.14	0.67	1.47	0.66	0.81	1.21
Cales, Jonathon	0.30	-1.79	0.35	1.28	0.10	1.08	-0.84	1.04
Caproni, David	-0.33	-1.79	-1.77	1.53	-0.21	2.21	-1.66	1.38
Langford, Mike	-0.89	0.56	0.21	0.05	-0.59	0.95	-1.09	-0.33
Hurst, Kevin	-0.39	-0.22	0.62	1.41	-0.83	-0.37	1.63	-2.20
Rodriguez, Jesse	-1.93	0.56	-0.23	-2.05	0.44	-0.50	-0.20	-0.33
Greenland, Paul	1.21	0.56	-1.19	-0.69	-0.74	1.44	-0.77	-1.18
Sherrod, Jeff	0.69	0.56	-0.03	1.16	1.26	0.55	0.87	1.38
Radonich, Pete	1.21	-0.22	0.32	-0.69	-1.73	0.66	-0.39	0.53
Shoda, Ron	-0.32	0.56	0.45	2.15	-0.70	-0.83	0.36	-0.33
MAXIMUM	-3.17	-3.36	2.54	2.15	1.95	2.21	-1.66	-2.20
MINIMUM	0.13	-0.22	-0.03	0.05	0.10	-0.19	-0.02	-0.33
RANGE(MAX-MIN)	-3.299	-3.136	2.563	2.099	1.851	2.402	-1.644	-1.875
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A1 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.69	0.70	8.39	0.79	0.97	1.28	8.66	9.83
Sanchez, Art	0.73	0.71	9.14	0.88	0.87	1.26	9.60	9.90
Hills, Barry	0.68	0.71	9.15	0.98	0.84	1.07	9.19	9.90
Castillo, George	0.73	0.71	8.65	0.89	0.94	1.10	9.13	9.90
Kobrinetz, Jack	0.73	0.69	9.01	0.80	0.92	1.24	9.11	9.80
Foecking, Brian	0.72	0.70	8.54	0.79	0.92	1.26	8.97	9.90
Caproni, David	0.74	0.71	8.42	0.95	1.04	1.61	9.07	9.90
Cales, Jonathon	0.74	0.69	8.94	0.91	1.14	1.33	9.31	9.90
Greenland, Paul	0.68	0.70	8.40	0.70	0.97	1.80	9.20	9.90
Avis, Steve	0.74	0.70	8.78	0.99	0.94	1.10	9.14	9.87
Rodriguez, Jesse	0.81	0.71	8.90	0.83	0.92	1.08	9.21	9.88
Langford, Mike	0.60	0.69	8.52	0.88	1.01	1.08	9.60	9.90
Adams, Pat	0.73	0.70	8.77	0.78	0.97	1.00	9.12	9.80
Sherrod, Jeff	0.65	0.71	8.49	1.00	1.05	1.80	9.33	9.98
Lowsky, John	0.74	0.71	8.66	1.07	0.94	1.66	8.65	9.68
Lonsway, Chris	0.72	0.71	8.61	0.85	0.92	1.22	9.06	9.90
Trevino, Robert	0.76	0.71	8.68	0.98	0.98	1.16	9.25	9.84
Hurst, Kevin	0.74	0.71	9.14	0.95	0.98	1.08	9.79	9.90
May, Marianne	0.73	0.70	8.61	0.86	0.89	1.11	9.18	9.88
Viera, Ralph	0.74	0.71	8.60	0.99	0.90	1.15	9.47	9.98
Radonich, Pete	0.73	0.71	8.80	0.91	0.86	1.16	9.12	9.95
Shoda, Ron	0.70	0.71	8.70	0.88	0.89	1.10	9.26	9.90
MAXIMUM	0.81	0.71	9.15	1.07	1.14	1.80	9.79	9.98
MINIMUM	0.60	0.69	8.39	0.70	0.84	1.00	8.65	9.68
RANGE(MAX-MIN)	0.210	0.020	0.760	0.370	0.300	0.800	1.140	0.300
MEAN	0.720	0.705	8.723	0.894	0.948	1.257	9.201	9.881
STANDARD DEVIATION	0.042	0.007	0.238	0.090	0.069	0.240	0.266	0.064

Part ID= A1 - SEQUENCE III

A1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	-0.71	-0.62	-1.40	-1.15	0.31	0.10	-2.03	-0.80
Sanchez, Art	0.25	0.74	1.75	-0.15	-1.13	0.01	1.50	0.29
Hills, Barry	-0.95	0.74	1.79	0.96	-1.56	-0.78	-0.04	0.29
Castillo, George	0.25	0.74	-0.31	-0.04	-0.12	-0.65	-0.27	0.29
Kobrinetz, Jack	0.25	-1.97	1.21	-1.04	-0.41	-0.07	-0.34	-1.27
Foecking, Brian	0.01	-0.62	-0.77	-1.15	-0.41	0.01	-0.87	0.29
Caproni, David	0.49	0.74	-1.27	0.62	1.32	1.47	-0.49	0.29
Cales, Jonathon	0.49	-1.97	0.91	0.18	2.77	0.31	0.41	0.29
Greenland, Paul	-0.95	-0.62	-1.36	-2.15	0.31	2.27	0.00	0.29
Avis, Steve	0.49	-0.62	0.24	1.07	-0.12	-0.65	-0.23	-0.18
Rodriguez, Jesse	2.17	0.74	0.74	-0.71	-0.41	-0.74	0.03	-0.02
Langford, Mike	-2.87	-1.97	-0.85	-0.15	0.89	-0.74	1.50	0.29
Adams, Pat	0.25	-0.62	0.20	-1.26	0.31	-1.07	-0.30	-1.27
Sherrod, Jeff	-1.67	0.74	-0.98	1.18	1.47	2.27	0.48	1.54
Lowsky, John	0.49	0.74	-0.26	1.95	-0.12	1.68	-2.07	-3.14
Lonsway, Chris	0.01	0.74	-0.47	-0.48	-0.41	-0.15	-0.53	0.29
Trevino, Robert	0.97	0.74	-0.18	0.96	0.46	-0.40	0.18	-0.65
Hurst, Kevin	0.49	0.74	1.75	0.62	0.46	-0.74	2.21	0.29
May, Marianne	0.25	-0.62	-0.47	-0.37	-0.84	-0.61	-0.08	-0.02
Viera, Ralph	0.49	0.74	-0.52	1.07	-0.70	-0.45	1.01	1.54
Radonich, Pete	0.25	0.74	0.32	0.18	-1.27	-0.40	-0.30	1.07
Shoda, Ron	-0.47	0.74	-0.10	-0.15	-0.84	-0.65	0.22	0.29
MAXIMUM	-2.87	-1.97	1.79	-2.15	2.77	2.27	2.21	-3.14
MINIMUM	0.01	-0.62	-0.10	-0.04	-0.12	0.01	0.00	-0.02
RANGE(MAX-MIN)	-2.879	-1.354	1.890	-2.105	2.885	2.254	2.215	-3.121
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A2 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.75	0.75	7.40	0.94	0.82	1.30	9.06	9.64
Sanchez, Art	0.75	0.75	7.98	0.63	0.85	1.40	9.72	9.90
Hills, Barry	0.75	0.75	7.93	0.99	0.86	1.00	9.55	9.89
Castillo, George	0.75	0.75	7.61	0.96	0.82	1.20	9.38	9.96
Kobrinetz, Jack	0.75	0.75	7.64	0.73	0.81	0.99	9.36	9.80
Foecking, Brian	0.75	0.75	7.45	1.13	0.86	0.96	9.32	9.90
May, Marianne	0.75	0.75	7.34	0.82	0.76	1.33	9.34	9.81
Adams, Pat	0.68	0.75	7.66	0.92	0.91	1.15	9.36	9.80
Caproni, David	0.68	0.75	7.13	1.07	1.06	1.20	9.33	9.80
Cales, Jonathon	0.75	0.75	7.81	1.14	0.91	1.42	9.47	9.90
Greenland, Paul	0.75	0.75	7.49	0.89	0.81	2.10	9.46	9.70
Avis, Steve	0.75	0.75	7.65	0.98	0.83	1.39	9.29	9.87
Rodriguez, Jesse	0.74	0.75	7.61	0.70	0.84	1.16	9.47	9.89
Langford, Mike	0.69	0.75	7.49	1.40	0.86	1.14	9.61	9.90
Sherrod, Jeff	0.75	0.74	7.53	1.23	0.82	1.69	9.23	9.86
Lowsky, John	0.75	0.75	7.49	1.15	0.84	1.56	8.72	9.76
Lonsway, Chris	0.75	0.75	7.47	1.10	0.81	1.18	9.44	9.90
Trevino, Robert	0.75	0.75	7.90	1.19	0.99	1.43	9.43	9.86
Hurst, Kevin	0.71	0.75	7.86	1.34	0.88	1.26	9.83	9.90
Viera, Ralph	0.75	0.75	7.67	0.93	0.87	1.32	9.61	9.95
Radonich, Pete	0.75	0.75	7.49	0.97	0.82	1.40	9.42	9.95
Shoda, Ron	0.71	0.52	7.21	0.60	0.81	1.25	9.54	9.90
MAXIMUM	0.75	0.75	7.98	1.40	1.06	2.10	9.83	9.96
MINIMUM	0.68	0.52	7.13	0.60	0.76	0.96	8.72	9.64
RANGE(MAX-MIN)	0.070	0.230	0.850	0.800	0.300	1.140	1.110	0.320
MEAN	0.737	0.739	7.582	0.991	0.856	1.310	9.406	9.856
STANDARD DEVIATION	0.025	0.049	0.222	0.214	0.066	0.251	0.226	0.081

Part ID= A2 - SEQUENCE III

A2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.53	0.22	-0.82	-0.24	-0.55	-0.04	-1.53	-2.69
Sanchez, Art	0.53	0.22	1.79	-1.69	-0.10	0.36	1.39	0.54
Hills, Barry	0.53	0.22	1.57	-0.01	0.06	-1.24	0.64	0.42
Castillo, George	0.53	0.22	0.12	-0.15	-0.55	-0.44	-0.12	1.29
Kobrinetz, Jack	0.53	0.22	0.26	-1.22	-0.71	-1.28	-0.21	-0.70
Foecking, Brian	0.53	0.22	-0.60	0.65	0.06	-1.39	-0.38	0.54
May, Marianne	0.53	0.22	-1.09	-0.80	-1.47	0.08	-0.29	-0.58
Adams, Pat	-2.29	0.22	0.35	-0.33	0.82	-0.64	-0.21	-0.70
Caproni, David	-2.29	0.22	-2.04	0.37	3.11	-0.44	-0.34	-0.70
Cales, Jonathon	0.53	0.22	1.03	0.70	0.82	0.44	0.28	0.54
Greenland, Paul	0.53	0.22	-0.42	-0.47	-0.71	3.14	0.24	-1.94
Avis, Steve	0.53	0.22	0.31	-0.05	-0.40	0.32	-0.52	0.17
Rodriguez, Jesse	0.13	0.22	0.12	-1.36	-0.25	-0.60	0.28	0.42
Langford, Mike	-1.89	0.22	-0.42	1.91	0.06	-0.68	0.90	0.54
Sherrod, Jeff	0.53	0.02	-0.24	1.12	-0.55	1.51	-0.78	0.05
Lowsky, John	0.53	0.22	-0.42	0.74	-0.25	0.99	-3.04	-1.20
Lonsway, Chris	0.53	0.22	-0.51	0.51	-0.71	-0.52	0.15	0.54
Trevino, Robert	0.53	0.22	1.43	0.93	2.04	0.48	0.10	0.05
Hurst, Kevin	-1.08	0.22	1.25	1.63	0.36	-0.20	1.88	0.54
Viera, Ralph	0.53	0.22	0.40	-0.29	0.21	0.04	0.90	1.16
Radonich, Pete	0.53	0.22	-0.42	-0.10	-0.55	0.36	0.06	1.16
Shoda, Ron	-1.08	-4.47	-1.68	-1.83	-0.71	-0.24	0.59	0.54
MAXIMUM	-2.29	-4.47	-2.04	1.91	3.11	3.14	-3.04	-2.69
MINIMUM	0.13	0.02	0.12	-0.01	0.06	0.04	0.06	0.05
RANGE(MAX-MIN)	-2.423	-4.492	-2.163	1.919	3.050	3.104	-3.100	-2.731
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A3 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.30	0.72	7.45	0.92	0.85	1.38	7.89	9.74
Sanchez, Art	0.78	0.73	8.25	0.94	0.82	1.21	8.59	9.84
Hills, Barry	0.75	0.75	8.93	0.92	0.80	1.21	8.69	9.88
Castillo, George	0.75	0.71	7.69	0.92	0.81	1.38	8.29	9.76
Kobrinetz, Jack	0.80	0.71	7.78	1.05	0.84	1.14	8.53	9.80
Foecking, Brian	0.88	0.74	7.57	1.11	0.88	1.60	7.79	9.84
May, Marianne	0.71	0.73	7.45	0.97	0.86	1.34	8.18	9.71
Caproni, David	0.76	0.71	7.30	1.01	0.94	1.63	7.65	9.82
Cales, Jonathon	0.82	0.68	7.66	1.06	0.93	1.45	7.95	9.81
Greenland, Paul	0.38	0.73	7.11	1.02	0.89	2.33	7.78	9.66
Avis, Steve	0.75	0.75	7.88	0.88	0.86	1.35	8.05	9.78
Rodriguez, Jesse	0.77	0.74	7.65	0.95	0.80	1.14	8.03	9.73
Langford, Mike	0.33	0.75	7.81	1.21	1.06	0.95	8.91	9.83
Adams, Pat	0.83	0.74	7.60	0.96	0.85	1.18	7.71	9.73
Sherrod, Jeff	0.19	0.74	7.72	1.02	1.06	2.60	8.78	9.81
Lowsky, John	1.29	0.75	7.29	1.09	0.88	2.35	7.59	9.72
Trevino, Robert	0.88	0.74	7.67	1.09	1.01	1.31	8.72	9.81
Hurst, Kevin	0.60	0.75	8.13	1.23	0.98	1.24	9.68	9.90
Lonsway, Chris	0.51	0.75	7.53	1.09	0.91	1.18	7.99	9.86
Viera, Ralph	0.95	0.71	7.07	1.30	0.95	1.59	8.72	9.84
Radonich, Pete	0.61	0.72	7.51	1.00	0.82	1.80	7.83	9.83
Shoda, Ron	0.47	0.71	7.38	1.07	0.87	1.50	7.83	9.85
MAXIMUM	1.29	0.75	8.93	1.30	1.06	2.60	9.68	9.90
MINIMUM	0.19	0.68	7.07	0.88	0.80	0.95	7.59	9.66
RANGE(MAX-MIN)	1.100	0.070	1.860	0.420	0.260	1.650	2.090	0.240
MEAN	0.687	0.730	7.656	1.037	0.894	1.494	8.235	9.798
STANDARD DEVIATION	0.249	0.019	0.403	0.109	0.078	0.429	0.527	0.061

Part ID= A3 - SEQUENCE III

A3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	-1.55	-0.53	-0.51	-1.08	-0.56	-0.26	-0.66	-0.94
Sanchez, Art	0.37	0.00	1.48	-0.89	-0.95	-0.66	0.67	0.69
Hills, Barry	0.25	1.05	3.16	-1.08	-1.20	-0.66	0.86	1.34
Castillo, George	0.25	-1.05	0.08	-1.08	-1.07	-0.26	0.10	-0.61
Kobrinetz, Jack	0.45	-1.05	0.31	0.12	-0.69	-0.82	0.56	0.04
Foecking, Brian	0.78	0.53	-0.21	0.67	-0.18	0.25	-0.84	0.69
May, Marianne	0.09	0.00	-0.51	-0.62	-0.44	-0.36	-0.11	-1.43
Caproni, David	0.29	-1.05	-0.88	-0.25	0.59	0.32	-1.11	0.36
Cales, Jonathon	0.53	-2.63	0.01	0.21	0.46	-0.10	-0.54	0.20
Greenland, Paul	-1.23	0.00	-1.36	-0.15	-0.05	1.95	-0.86	-2.24
Avis, Steve	0.25	1.05	0.56	-1.44	-0.44	-0.33	-0.35	-0.29
Rodriguez, Jesse	0.33	0.53	-0.01	-0.80	-1.20	-0.82	-0.39	-1.10
Langford, Mike	-1.43	1.05	0.38	1.59	2.12	-1.27	1.28	0.53
Adams, Pat	0.58	0.53	-0.14	-0.71	-0.56	-0.73	-1.00	-1.10
Sherrod, Jeff	-2.00	0.53	0.16	-0.15	2.12	2.58	1.03	0.20
Lowsky, John	2.42	1.05	-0.91	0.49	-0.18	2.00	-1.22	-1.27
Trevino, Robert	0.78	0.53	0.04	0.49	1.48	-0.43	0.92	0.20
Hurst, Kevin	-0.35	1.05	1.18	1.78	1.10	-0.59	2.74	1.67
Lonsway, Chris	-0.71	1.05	-0.31	0.49	0.20	-0.73	-0.47	1.01
Viera, Ralph	1.06	-1.05	-1.45	2.42	0.71	0.22	0.92	0.69
Radonich, Pete	-0.31	-0.53	-0.36	-0.34	-0.95	0.71	-0.77	0.53
Shoda, Ron	-0.87	-1.05	-0.69	0.31	-0.31	0.01	-0.77	0.85
MAXIMUM	2.42	-2.63	3.16	2.42	2.12	2.58	2.74	-2.24
MINIMUM	0.09	0.00	0.01	0.12	-0.05	0.01	0.10	0.04
RANGE(MAX-MIN)	2.330	-2.628	3.153	2.302	2.173	2.565	2.636	-2.280
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A4 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.32	0.74	8.83	0.26	3.73	1.88	8.77	9.69
Sanchez, Art	0.75	0.69	9.33	0.48	4.28	1.65	9.26	9.76
Hills, Barry	0.75	0.74	9.36	0.47	4.60	1.40	9.30	9.79
Castillo, George	0.75	0.74	9.05	0.66	4.23	1.82	9.17	9.79
Kobrinetz, Jack	0.75	0.75	9.03	0.36	5.12	1.64	9.07	9.73
Adams, Pat	0.65	0.68	9.05	0.56	4.13	2.05	8.65	9.65
Caproni, David	0.65	0.75	8.53	0.67	4.22	1.84	8.74	9.80
Cales, Jonathon	0.66	0.74	9.25	0.74	3.91	1.90	8.68	9.84
Greenland, Paul	0.38	0.71	8.62	0.36	5.06	2.45	9.16	9.72
Avis, Steve	0.71	0.75	9.16	0.44	4.72	1.65	9.13	9.76
Rodriguez, Jesse	0.73	0.73	8.80	0.69	4.73	1.72	9.25	9.75
Langford, Mike	0.08	0.68	8.54	0.99	4.49	1.76	8.97	9.75
Lonsway, Chris	0.45	0.75	9.05	0.44	4.67	2.12	9.07	9.81
Sherrod, Jeff	0.11	0.75	8.63	0.47	4.64	2.50	8.91	9.61
Lowsky, John	0.60	0.75	8.76	0.87	5.58	2.65	8.16	9.66
May, Marianne	0.47	0.75	8.85	0.62	4.95	1.40	9.05	9.66
Trevino, Robert	0.91	0.67	9.10	0.77	4.20	1.48	9.37	9.80
Hurst, Kevin	0.75	0.75	9.31	0.50	5.41	1.50	9.78	9.88
Viera, Ralph	0.75	0.74	8.64	0.72	5.46	1.75	9.28	9.78
Shoda, Ron	0.38	0.59	8.89	0.68	4.20	1.50	8.90	9.73
MAXIMUM	0.91	0.75	9.36	0.99	5.58	2.65	9.78	9.88
MINIMUM	0.08	0.59	8.53	0.26	3.73	1.40	8.16	9.61
RANGE(MAX-MIN)	0.830	0.160	0.830	0.730	1.850	1.250	1.620	0.270
MEAN	0.580	0.723	8.939	0.588	4.617	1.833	9.034	9.748
STANDARD DEVIATION	0.228	0.042	0.269	0.185	0.521	0.361	0.338	0.068

Part ID= A4 - SEQUENCE III

A4 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	-1.14	0.42	-0.41	-1.77	-1.70	0.13	-0.78	-0.85
Sanchez, Art	0.75	-0.78	1.46	-0.58	-0.65	-0.51	0.67	0.18
Hills, Barry	0.75	0.42	1.57	-0.64	-0.03	-1.20	0.79	0.61
Castillo, George	0.75	0.42	0.41	0.39	-0.74	-0.04	0.40	0.61
Kobrinetz, Jack	0.75	0.66	0.34	-1.23	0.97	-0.53	0.11	-0.26
Adams, Pat	0.31	-1.02	0.41	-0.15	-0.93	0.60	-1.13	-1.43
Caproni, David	0.31	0.66	-1.52	0.45	-0.76	0.02	-0.87	0.76
Cales, Jonathon	0.35	0.42	1.16	0.82	-1.36	0.19	-1.04	1.34
Greenland, Paul	-0.88	-0.30	-1.19	-1.23	0.85	1.71	0.37	-0.41
Avis, Steve	0.57	0.66	0.82	-0.80	0.20	-0.51	0.29	0.18
Rodriguez, Jesse	0.66	0.18	-0.52	0.55	0.22	-0.31	0.64	0.03
Langford, Mike	-2.20	-1.02	-1.49	2.18	-0.24	-0.20	-0.19	0.03
Lonsway, Chris	-0.57	0.66	0.41	-0.80	0.10	0.79	0.11	0.91
Sherrod, Jeff	-2.06	0.66	-1.15	-0.64	0.05	1.85	-0.37	-2.02
Lowsky, John	0.09	0.66	-0.67	1.53	1.85	2.26	-2.58	-1.29
May, Marianne	-0.48	0.66	-0.33	0.18	0.64	-1.20	0.05	-1.29
Trevino, Robert	1.45	-1.26	0.60	0.99	-0.80	-0.98	0.99	0.76
Hurst, Kevin	0.75	0.66	1.38	-0.47	1.52	-0.92	2.21	1.93
Viera, Ralph	0.75	0.42	-1.11	0.72	1.62	-0.23	0.73	0.47
Shoda, Ron	-0.88	-3.19	-0.18	0.50	-0.80	-0.92	-0.39	-0.26
MAXIMUM	-2.20	-3.19	1.57	2.18	1.85	2.26	-2.58	-2.02
MINIMUM	0.09	0.18	-0.18	-0.15	-0.03	0.02	0.05	0.03
RANGE(MAX-MIN)	-2.283	-3.371	1.750	2.325	1.880	2.242	-2.631	-2.046
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A5 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT
Barrera, Tony	0.91	7.77	9.92	9.93	4.37	9.69	9.79
Sanchez, Art	0.94	8.80	10.00	10.00	3.68	10.00	10.00
Kobrinetz, Jack	0.91	8.54	9.80	9.80	4.98	9.80	9.90
Castillo, George	1.04	8.06	9.88	9.90	5.33	9.76	9.76
Caproni, David	1.20	8.06	9.60	10.00	4.89	9.70	9.90
Cales, Jonathon	0.98	8.09	9.90	9.90	5.89	9.90	9.90
Greenland, Paul	1.14	8.49	8.50	9.85	6.14	9.80	9.90
Avis, Steve	1.05	8.04	9.90	9.90	5.19	9.80	9.90
Rodriguez, Jesse	0.93	8.20	9.85	9.90	3.67	9.80	9.90
Langford, Mike	1.00	7.50	9.81	9.90	4.94	9.80	9.90
Adams, Pat	1.00	7.89	9.80	9.90	4.99	9.70	9.90
Sherrod, Jeff	1.06	8.26	9.77	9.90	5.70	9.80	9.90
May, Marianne	1.00	7.98	9.73	9.80	3.81	9.70	9.83
Lowsky, John	1.13	8.29	9.70	9.74	3.75	9.50	9.71
Trevino, Robert	1.09	7.96	9.92	9.94	5.34	9.75	9.92
Hurst, Kevin	1.10	8.38	9.90	9.90	4.33	9.90	9.90
Viera, Ralph	1.12	7.89	9.80	9.96	4.92	9.83	9.87
Lonsway, Chris	1.00	8.43	9.90	9.95	4.17	9.90	9.95
Shoda, Ron	1.02	8.49	9.90	9.90	3.87	9.90	9.90
MAXIMUM	1.20	8.80	10.00	10.00	6.14	10.00	10.00
MINIMUM	0.91	7.50	8.50	9.74	3.67	9.50	9.71
RANGE(MAX-MIN)	0.290	1.300	1.500	0.260	2.470	0.500	0.290
MEAN	1.033	8.164	9.767	9.898	4.735	9.791	9.881
STANDARD DEVIATION	0.082	0.313	0.321	0.065	0.776	0.109	0.066

Part ID= A5 - SQUARE CUT

A5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT
Barrera, Tony	-1.49	-1.26	0.48	0.48	-0.47	-0.92	-1.36
Sanchez, Art	-1.13	2.03	0.73	1.56	-1.36	1.91	1.80
Kobrinetz, Jack	-1.49	1.20	0.10	-1.51	0.32	0.08	0.29
Castillo, George	0.09	-0.33	0.35	0.02	0.77	-0.28	-1.82
Caproni, David	2.03	-0.33	-0.52	1.56	0.20	-0.83	0.29
Cales, Jonathon	-0.64	-0.24	0.41	0.02	1.49	1.00	0.29
Greenland, Paul	1.30	1.04	-3.95	-0.74	1.81	0.08	0.29
Avis, Steve	0.21	-0.40	0.41	0.02	0.59	0.08	0.29
Rodriguez, Jesse	-1.25	0.11	0.26	0.02	-1.37	0.08	0.29
Langford, Mike	-0.40	-2.12	0.13	0.02	0.26	0.08	0.29
Adams, Pat	-0.40	-0.88	0.10	0.02	0.33	-0.83	0.29
Sherrod, Jeff	0.33	0.31	0.01	0.02	1.24	0.08	0.29
May, Marianne	-0.40	-0.59	-0.12	-1.51	-1.19	-0.83	-0.76
Lowsky, John	1.18	0.40	-0.21	-2.43	-1.27	-2.66	-2.57
Trevino, Robert	0.70	-0.65	0.48	0.64	0.78	-0.38	0.59
Hurst, Kevin	0.82	0.69	0.41	0.02	-0.52	1.00	0.29
Viera, Ralph	1.06	-0.88	0.10	0.94	0.24	0.36	-0.16
Lonsway, Chris	-0.40	0.85	0.41	0.79	-0.73	1.00	1.05
Shoda, Ron	-0.15	1.04	0.41	0.02	-1.11	1.00	0.29
MAXIMUM	2.03	-2.12	-3.95	-2.43	1.81	-2.66	-2.57
MINIMUM	0.09	0.11	0.01	0.02	0.20	0.08	-0.16
RANGE(MAX-MIN)	1.944	-2.235	-3.958	-2.452	1.612	-2.741	-2.411
MEAN	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

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= A6 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	0.62	0.75	8.57	0.69	1.04	1.71	8.85	9.93
Sanchez, Art	0.60	0.75	8.86	0.66	1.09	1.30	9.71	9.90
Hills, Barry	0.68	0.75	9.10	0.60	0.97	1.30	9.67	9.90
Castillo, George	0.66	0.75	8.89	0.77	1.20	1.88	9.35	9.96
Kobrinetz, Jack	0.59	0.75	9.01	0.65	1.11	1.59	9.20	9.90
Caproni, David	0.62	0.75	8.38	0.95	1.44	1.80	8.93	10.00
Cales, Jonathon	0.65	0.75	8.52	0.72	1.44	2.04	9.19	10.00
Greenland, Paul	0.70	0.75	8.49	0.49	1.32	2.53	9.23	9.90
Avis, Steve	0.55	0.71	8.90	0.56	0.96	1.78	9.42	9.86
Rodriguez, Jesse	0.73	0.75	8.62	0.93	0.95	1.41	9.39	9.90
Langford, Mike	0.47	0.69	8.27	0.89	1.28	1.18	9.16	9.90
Adams, Pat	0.72	0.76	8.51	0.77	1.19	1.64	9.31	9.90
Sherrod, Jeff	0.60	0.75	8.05	0.87	1.18	2.40	9.40	9.75
Lowsky, John	0.67	0.75	8.34	0.87	1.12	2.35	8.78	9.80
Trevino, Robert	0.78	0.75	8.77	0.72	1.21	2.03	9.52	9.87
Hurst, Kevin	0.75	0.75	9.04	0.76	1.18	1.78	9.87	9.90
May, Marianne	0.70	0.75	8.73	0.57	1.16	1.65	9.32	9.87
Viera, Ralph	0.71	0.75	8.69	0.79	1.33	1.89	9.31	9.94
Lonsway, Chris	0.71	0.75	8.93	0.89	1.01	1.55	9.42	9.90
Shoda, Ron	0.55	0.55	8.57	0.79	1.08	1.58	9.46	9.90
MAXIMUM	0.78	0.76	9.10	0.95	1.44	2.53	9.87	10.00
MINIMUM	0.47	0.55	8.05	0.49	0.95	1.18	8.78	9.75
RANGE(MAX-MIN)	0.310	0.210	1.050	0.460	0.490	1.350	1.090	0.250
MEAN	0.653	0.736	8.662	0.747	1.163	1.770	9.325	9.899
STANDARD DEVIATION	0.078	0.047	0.281	0.131	0.146	0.366	0.271	0.057

Part ID= A6 - SEQUENCE III

A6 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Barrera, Tony	-0.43	0.31	-0.33	-0.43	-0.84	-0.16	-1.75	0.54
Sanchez, Art	-0.68	0.31	0.71	-0.66	-0.50	-1.28	1.42	0.02
Hills, Barry	0.35	0.31	1.56	-1.12	-1.32	-1.28	1.27	0.02
Castillo, George	0.09	0.31	0.81	0.18	0.25	0.30	0.09	1.07
Kobrinetz, Jack	-0.81	0.31	1.24	-0.74	-0.36	-0.49	-0.46	0.02
Caproni, David	-0.43	0.31	-1.01	1.55	1.90	0.08	-1.45	1.77
Cales, Jonathon	-0.04	0.31	-0.51	-0.21	1.90	0.74	-0.50	1.77
Greenland, Paul	0.61	0.31	-0.61	-1.96	1.08	2.08	-0.35	0.02
Avis, Steve	-1.33	-0.55	0.85	-1.43	-1.39	0.03	0.35	-0.68
Rodriguez, Jesse	0.99	0.31	-0.15	1.40	-1.46	-0.98	0.24	0.02
Langford, Mike	-2.36	-0.98	-1.40	1.09	0.80	-1.61	-0.61	0.02
Adams, Pat	0.86	0.53	-0.54	0.18	0.19	-0.35	-0.05	0.02
Sherrod, Jeff	-0.68	0.31	-2.18	0.94	0.12	1.72	0.28	-2.61
Lowsky, John	0.22	0.31	-1.15	0.94	-0.30	1.58	-2.01	-1.73
Trevino, Robert	1.64	0.31	0.39	-0.21	0.32	0.71	0.72	-0.51
Hurst, Kevin	1.25	0.31	1.35	0.10	0.12	0.03	2.01	0.02
May, Marianne	0.61	0.31	0.24	-1.35	-0.02	-0.33	-0.02	-0.51
Viera, Ralph	0.73	0.31	0.10	0.33	1.15	0.33	-0.05	0.72
Lonsway, Chris	0.73	0.31	0.96	1.09	-1.05	-0.60	0.35	0.02
Shoda, Ron	-1.33	-3.99	-0.33	0.33	-0.57	-0.52	0.50	0.02
MAXIMUM	-2.36	-3.99	-2.18	-1.96	1.90	2.08	2.01	-2.61
MINIMUM	-0.04	0.31	0.10	0.10	-0.02	0.03	-0.02	0.02
RANGE(MAX-MIN)	-2.320	-4.301	-2.281	-2.060	1.921	2.047	2.027	-2.626
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B1 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	3.20	0.72	8.70	0.95	2.06	0.98	9.50	9.99
Hills, Barry	3.21	0.73	9.38	1.10	2.07	1.00	9.65	9.90
Foecking, Brian	3.55	0.75	8.84	1.07	2.01	0.96	9.65	9.90
Lopez, Frank	2.59	0.71	8.88	1.16	1.87	1.00	9.64	9.90
Barrera, Tony	2.67	0.73	8.58	1.00	1.89	1.02	8.94	9.88
Kobrinetz, Jack	2.89	0.71	8.90	0.94	1.81	0.90	9.55	9.90
Cales, Jonathon	3.24	0.69	8.80	0.99	1.63	1.00	9.58	10.00
Adams, Pat	3.03	0.71	8.49	0.99	1.88	0.82	9.44	9.80
Caproni, David	3.22	0.74	8.16	1.01	1.92	0.99	9.56	10.00
Hurst, Kevin	2.61	0.71	9.19	1.03	2.22	1.00	9.85	9.90
Seiz, Ray	2.93	0.71	8.69	1.79	2.27	0.97	9.44	9.90
Langford, Mike	2.60	0.75	8.13	1.40	1.82	1.00	9.32	9.90
Sherrod, Jeff	0.74	0.73	8.58	1.03	1.95	1.30	9.58	9.76
Zalewski, John	3.54	0.76	8.03	1.05	2.17	0.75	9.52	9.90
Viera, Ralph	2.42	0.74	8.94	1.16	1.96	1.10	9.44	9.96
Greenland, Paul	3.35	0.68	8.65	0.97	2.03	1.70	9.38	9.90
Trevino, Robert	3.28	0.74	8.87	1.30	2.35	1.00	9.70	9.88
Avis, Steve	3.31	0.74	8.95	1.12	1.42	1.00	9.17	9.87
Radonich, Pete	3.46	0.74	8.81	0.98	1.97	1.00	9.56	9.95
May, Marianne	2.94	0.74	8.73	1.19	2.01	0.99	9.43	9.94
MAXIMUM	3.55	0.76	9.38	1.79	2.35	1.70	9.85	10.00
MINIMUM	0.74	0.68	8.03	0.94	1.42	0.75	8.94	9.76
RANGE(MAX-MIN)	2.810	0.080	1.350	0.850	0.930	0.950	0.910	0.240
MEAN	2.939	0.727	8.715	1.112	1.966	1.024	9.495	9.907
STANDARD DEVIATION	0.619	0.021	0.333	0.199	0.212	0.190	0.197	0.059

Part ID= B1 - SEQUENCE III

B1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.42	-0.31	-0.05	-0.81	0.45	-0.23	0.03	1.41
Hills, Barry	0.44	0.17	2.00	-0.06	0.49	-0.13	0.79	-0.11
Foecking, Brian	0.99	1.13	0.38	-0.21	0.21	-0.34	0.79	-0.11
Lopez, Frank	-0.56	-0.79	0.50	0.24	-0.45	-0.13	0.74	-0.11
Barrera, Tony	-0.43	0.17	-0.41	-0.56	-0.36	-0.02	-2.82	-0.45
Kobrinetz, Jack	-0.08	-0.79	0.56	-0.86	-0.73	-0.65	0.28	-0.11
Cales, Jonathon	0.49	-1.75	0.26	-0.61	-1.58	-0.13	0.43	1.58
Adams, Pat	0.15	-0.79	-0.68	-0.61	-0.40	-1.07	-0.28	-1.80
Caproni, David	0.45	0.65	-1.67	-0.51	-0.21	-0.18	0.33	1.58
Hurst, Kevin	-0.53	-0.79	1.43	-0.41	1.20	-0.13	1.81	-0.11
Seiz, Ray	-0.01	-0.79	-0.08	3.41	1.44	-0.28	-0.28	-0.11
Langford, Mike	-0.55	1.13	-1.76	1.45	-0.69	-0.13	-0.89	-0.11
Sherrod, Jeff	-3.55	0.17	-0.41	-0.41	-0.07	1.45	0.43	-2.48
Zalewski, John	0.97	1.61	-2.06	-0.31	0.96	-1.44	0.13	-0.11
Viera, Ralph	-0.84	0.65	0.68	0.24	-0.03	0.40	-0.28	0.91
Greenland, Paul	0.66	-2.23	-0.20	-0.71	0.30	3.56	-0.58	-0.11
Trevino, Robert	0.55	0.65	0.47	0.95	1.81	-0.13	1.04	-0.45
Avis, Steve	0.60	0.65	0.71	0.04	-2.57	-0.13	-1.65	-0.62
Radonich, Pete	0.84	0.65	0.29	-0.66	0.02	-0.13	0.33	0.74
May, Marianne	0.00	0.65	0.05	0.39	0.21	-0.18	-0.33	0.57
MAXIMUM	-3.55	-2.23	-2.06	3.41	-2.57	3.56	-2.82	-2.48
MINIMUM	0.00	0.17	-0.05	0.04	0.02	-0.02	0.03	-0.11
RANGE(MAX-MIN)	-3.556	-2.399	-2.014	3.363	-2.593	3.576	-2.848	-2.371
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B2 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.71	0.60	7.37	0.78	0.89	0.98	9.55	9.98
Hills, Barry	0.73	0.55	8.30	0.79	1.00	1.00	9.75	9.90
Foecking, Brian	0.71	0.47	7.69	0.65	0.82	1.15	9.66	9.90
Lopez, Frank	0.71	0.53	7.69	0.64	0.92	0.99	9.73	10.00
Barrera, Tony	0.71	0.51	7.67	0.64	0.93	1.00	9.12	9.78
Kobrinetz, Jack	0.70	0.46	7.52	0.69	0.86	0.84	9.70	9.90
Cales, Jonathon	0.74	0.50	7.82	1.01	0.89	1.00	9.80	10.00
Adams, Pat	0.66	0.62	7.68	0.77	0.92	0.80	9.48	9.90
Caproni, David	0.75	0.56	7.01	1.23	0.98	0.95	9.71	10.00
Hurst, Kevin	0.59	0.43	8.21	0.57	0.95	0.99	9.88	9.90
Seiz, Ray	0.68	0.60	7.82	0.89	1.26	0.95	9.29	9.80
Langford, Mike	0.71	0.47	7.21	0.91	0.95	0.97	9.84	9.90
Sherrod, Jeff	0.71	0.50	7.55	0.65	0.88	1.00	9.60	9.76
Zalewski, John	0.70	0.47	6.93	0.68	1.08	0.75	9.78	9.90
Greenland, Paul	0.71	0.50	7.24	0.61	0.84	1.70	9.53	9.90
Viera, Ralph	0.74	0.48	7.83	0.96	0.91	1.02	9.65	9.99
Trevino, Robert	0.74	0.51	8.14	0.68	1.09	1.00	9.66	9.87
Avis, Steve	0.73	0.50	7.64	0.36	0.81	1.00	9.58	9.89
May, Marianne	0.72	0.50	7.28	0.71	0.89	1.00	9.55	9.83
Radonich, Pete	0.71	0.50	7.61	0.78	0.85	1.00	9.76	9.95
MAXIMUM	0.75	0.62	8.30	1.23	1.26	1.70	9.88	10.00
MINIMUM	0.59	0.43	6.93	0.36	0.81	0.75	9.12	9.76
RANGE(MAX-MIN)	0.160	0.190	1.370	0.870	0.450	0.950	0.760	0.240
MEAN	0.708	0.513	7.611	0.750	0.936	1.005	9.631	9.903
STANDARD DEVIATION	0.035	0.050	0.368	0.186	0.107	0.185	0.183	0.071

Part ID= B2 - SEQUENCE III

B2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.06	1.73	-0.65	0.16	-0.43	-0.13	-0.44	1.09
Hills, Barry	0.63	0.74	1.87	0.22	0.60	-0.02	0.65	-0.04
Foecking, Brian	0.06	-0.86	0.22	-0.54	-1.08	0.79	0.16	-0.04
Lopez, Frank	0.06	0.34	0.22	-0.59	-0.15	-0.08	0.54	1.37
Barrera, Tony	0.06	-0.06	0.16	-0.59	-0.06	-0.02	-2.79	-1.72
Kobrinetz, Jack	-0.23	-1.06	-0.25	-0.32	-0.71	-0.89	0.38	-0.04
Cales, Jonathon	0.92	-0.26	0.57	1.40	-0.43	-0.02	0.92	1.37
Adams, Pat	-1.38	2.13	0.19	0.11	-0.15	-1.11	-0.82	-0.04
Caproni, David	1.20	0.94	-1.63	2.59	0.41	-0.30	0.43	1.37
Hurst, Kevin	-3.38	-1.65	1.63	-0.97	0.13	-0.08	1.36	-0.04
Seiz, Ray	-0.80	1.73	0.57	0.75	3.02	-0.30	-1.86	-1.44
Langford, Mike	0.06	-0.86	-1.09	0.86	0.13	-0.19	1.14	-0.04
Sherrod, Jeff	0.06	-0.26	-0.16	-0.54	-0.52	-0.02	-0.17	-2.00
Zalewski, John	-0.23	-0.86	-1.85	-0.38	1.34	-1.38	0.81	-0.04
Greenland, Paul	0.06	-0.26	-1.01	-0.75	-0.90	3.77	-0.55	-0.04
Viera, Ralph	0.92	-0.66	0.60	1.13	-0.24	0.08	0.10	1.23
Trevino, Robert	0.92	-0.06	1.44	-0.38	1.44	-0.02	0.16	-0.46
Avis, Steve	0.63	-0.26	0.08	-2.10	-1.18	-0.02	-0.28	-0.18
May, Marianne	0.34	-0.26	-0.90	-0.22	-0.43	-0.02	-0.44	-1.02
Radonich, Pete	0.06	-0.26	0.00	0.16	-0.80	-0.02	0.70	0.67
MAXIMUM	-3.38	2.13	1.87	2.59	3.02	3.77	-2.79	-2.00
MINIMUM	0.06	-0.06	0.00	0.11	-0.06	-0.02	0.10	-0.04
RANGE(MAX-MIN)	-3.440	2.193	1.875	2.479	3.079	3.793	-2.894	-1.962
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B3 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	1.50	0.30	8.96	0.84	1.15	1.08	9.40	9.94
Hills, Barry	1.28	0.24	9.21	0.86	1.09	1.00	9.63	9.90
Foecking, Brian	2.28	0.25	9.06	0.95	1.17	0.99	9.61	9.95
Lopez, Frank	1.45	0.39	9.17	0.96	1.26	1.00	9.58	10.00
Barrera, Tony	1.72	0.34	8.63	0.65	1.25	1.02	9.07	9.81
Kobrinetz, Jack	1.49	0.22	9.06	0.77	1.20	0.88	9.70	9.90
Cales, Jonathon	1.78	0.35	8.83	1.03	1.26	1.30	9.49	10.00
Caproni, David	1.99	0.38	8.49	1.06	1.41	0.99	9.04	10.00
Hurst, Kevin	1.40	0.20	9.13	0.76	1.40	1.00	9.86	9.90
Seiz, Ray	1.31	0.18	8.80	0.56	1.38	1.02	9.30	9.89
Langford, Mike	1.21	0.23	8.53	1.32	1.49	0.97	9.62	9.90
Adams, Pat	1.36	0.32	8.90	0.96	1.17	0.82	9.54	9.90
Sherrod, Jeff	1.54	0.30	8.20	0.71	1.32	1.30	9.68	9.85
Greenland, Paul	2.40	0.30	8.40	0.92	1.05	1.70	9.46	9.80
Viera, Ralph	1.83	0.22	8.81	1.10	1.26	1.22	9.33	9.92
Zalewski, John	1.23	0.20	8.58	1.76	1.39	0.93	9.70	9.90
Trevino, Robert	1.93	0.26	9.08	1.27	1.42	1.15	9.63	9.90
Avis, Steve	1.73	0.24	9.13	0.97	1.19	1.00	9.48	9.88
Radonich, Pete	1.81	0.29	8.75	1.12	1.31	1.00	9.48	9.95
May, Marianne	1.32	0.27	8.77	1.57	1.55	0.99	9.41	9.91
MAXIMUM	2.40	0.39	9.21	1.76	1.55	1.70	9.86	10.00
MINIMUM	1.21	0.18	8.20	0.56	1.05	0.82	9.04	9.80
RANGE(MAX-MIN)	1.190	0.210	1.010	1.200	0.500	0.880	0.820	0.200
MEAN	1.628	0.274	8.825	1.007	1.286	1.068	9.501	9.910
STANDARD DEVIATION	0.341	0.061	0.284	0.297	0.133	0.193	0.205	0.054

Part ID= B3 - SEQUENCE III

B3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	-0.38	0.43	0.48	-0.56	-1.02	0.06	-0.49	0.55
Hills, Barry	-1.02	-0.56	1.36	-0.50	-1.47	-0.35	0.63	-0.18
Foecking, Brian	1.91	-0.40	0.83	-0.19	-0.87	-0.40	0.53	0.74
Lopez, Frank	-0.52	1.91	1.22	-0.16	-0.19	-0.35	0.39	1.65
Barrera, Tony	0.27	1.09	-0.69	-1.20	-0.27	-0.25	-2.10	-1.84
Kobrinetz, Jack	-0.40	-0.89	0.83	-0.80	-0.64	-0.97	0.97	-0.18
Cales, Jonathon	0.45	1.25	0.02	0.08	-0.19	1.20	-0.05	1.65
Caproni, David	1.06	1.75	-1.18	0.18	0.93	-0.40	-2.25	1.65
Hurst, Kevin	-0.67	-1.22	1.08	-0.83	0.85	-0.35	1.76	-0.18
Seiz, Ray	-0.93	-1.55	-0.09	-1.51	0.70	-0.25	-0.98	-0.37
Langford, Mike	-1.23	-0.73	-1.04	1.05	1.53	-0.51	0.58	-0.18
Adams, Pat	-0.79	0.76	0.27	-0.16	-0.87	-1.28	0.19	-0.18
Sherrod, Jeff	-0.26	0.43	-2.20	-1.00	0.25	1.20	0.88	-1.10
Greenland, Paul	2.26	0.43	-1.50	-0.29	-1.77	3.27	-0.20	-2.02
Viera, Ralph	0.59	-0.89	-0.05	0.31	-0.19	0.79	-0.83	0.18
Zalewski, John	-1.17	-1.22	-0.86	2.54	0.78	-0.71	0.97	-0.18
Trevino, Robert	0.89	-0.23	0.90	0.89	1.00	0.42	0.63	-0.18
Avis, Steve	0.30	-0.56	1.08	-0.12	-0.72	-0.35	-0.10	-0.55
Radonich, Pete	0.53	0.26	-0.26	0.38	0.18	-0.35	-0.10	0.74
May, Marianne	-0.90	-0.07	-0.19	1.90	1.98	-0.40	-0.44	0.00
MAXIMUM	2.26	1.91	-2.20	2.54	1.98	3.27	-2.25	-2.02
MINIMUM	-0.26	-0.07	0.02	0.08	0.18	0.06	-0.05	0.00
RANGE(MAX-MIN)	2.523	1.979	-2.220	2.459	1.798	3.211	-2.198	-2.023
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B4 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.74	0.50	8.99	0.80	0.78	1.09	9.79	9.76
Hills, Barry	0.69	0.52	9.58	0.53	0.86	1.00	9.77	9.90
Foecking, Brian	0.74	0.38	9.20	0.67	0.82	1.16	9.78	9.95
Lopez, Frank	0.75	0.53	9.40	0.69	0.86	1.00	9.78	9.90
Kobrinetz, Jack	0.71	0.37	9.31	0.65	0.74	0.82	9.80	9.85
Cales, Jonathon	0.74	0.43	9.22	0.77	0.84	1.10	9.81	10.00
Adams, Pat	0.65	0.51	9.01	0.58	0.91	0.85	9.72	9.80
Caproni, David	0.71	0.49	8.64	0.96	1.02	1.00	9.75	10.00
Hurst, Kevin	0.47	0.50	9.48	0.53	0.97	1.16	9.88	9.90
Langford, Mike	0.75	0.41	8.70	0.67	0.92	0.98	9.85	9.90
Seiz, Ray	0.68	0.32	8.94	0.58	0.97	0.47	9.78	9.89
Sherrod, Jeff	0.71	0.54	8.17	0.68	0.80	1.90	9.76	9.85
Greenland, Paul	0.64	0.19	9.01	0.17	0.88	1.75	9.56	9.90
Zalewski, John	0.58	0.38	8.55	0.47	0.81	0.75	9.88	9.90
Viera, Ralph	0.75	0.52	8.96	0.79	0.92	1.13	9.77	9.98
May, Marianne	0.74	0.44	9.03	0.60	0.81	0.99	9.73	9.85
Avis, Steve	0.75	0.41	9.37	0.56	0.81	1.08	9.79	9.88
Radonich, Pete	0.68	0.43	9.06	0.75	0.83	1.00	9.87	9.95
Trevino, Robert	0.75	0.42	9.21	0.71	0.83	1.00	9.53	9.88
MAXIMUM	0.75	0.54	9.58	0.96	1.02	1.90	9.88	10.00
MINIMUM	0.47	0.19	8.17	0.17	0.74	0.47	9.53	9.76
RANGE(MAX-MIN)	0.280	0.350	1.410	0.790	0.280	1.430	0.350	0.240
MEAN	0.696	0.436	9.044	0.640	0.862	1.065	9.768	9.897
STANDARD DEVIATION	0.072	0.087	0.348	0.163	0.073	0.315	0.091	0.062

Part ID= B4 - SEQUENCE III

B4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.61	0.73	-0.15	0.98	-1.13	0.08	0.24	-2.21
Hills, Barry	-0.09	0.96	1.54	-0.67	-0.03	-0.21	0.02	0.05
Foecking, Brian	0.61	-0.65	0.45	0.18	-0.58	0.30	0.13	0.86
Lopez, Frank	0.75	1.08	1.02	0.31	-0.03	-0.21	0.13	0.05
Kobrinetz, Jack	0.19	-0.76	0.77	0.06	-1.68	-0.78	0.35	-0.76
Cales, Jonathon	0.61	-0.07	0.51	0.80	-0.30	0.11	0.45	1.66
Adams, Pat	-0.64	0.85	-0.10	-0.37	0.66	-0.68	-0.53	-1.56
Caproni, David	0.19	0.62	-1.16	1.96	2.17	-0.21	-0.20	1.66
Hurst, Kevin	-3.14	0.73	1.25	-0.67	1.48	0.30	1.22	0.05
Langford, Mike	0.75	-0.30	-0.99	0.18	0.79	-0.27	0.89	0.05
Seiz, Ray	-0.23	-1.34	-0.30	-0.37	1.48	-1.89	0.13	-0.11
Sherrod, Jeff	0.19	1.19	-2.51	0.25	-0.85	2.65	-0.09	-0.76
Greenland, Paul	-0.78	-2.83	-0.10	-2.88	0.25	2.18	-2.28	0.05
Zalewski, John	-1.62	-0.65	-1.42	-1.04	-0.72	-1.00	1.22	0.05
Viera, Ralph	0.75	0.96	-0.24	0.92	0.79	0.21	0.02	1.34
May, Marianne	0.61	0.04	-0.04	-0.25	-0.72	-0.24	-0.42	-0.76
Avis, Steve	0.75	-0.30	0.94	-0.49	-0.72	0.05	0.24	-0.27
Radonich, Pete	-0.23	-0.07	0.05	0.67	-0.44	-0.21	1.11	0.86
Trevino, Robert	0.75	-0.19	0.48	0.43	-0.44	-0.21	-2.61	-0.27
MAXIMUM	-3.14	-2.83	-2.51	-2.88	2.17	2.65	-2.61	-2.21
MINIMUM	-0.09	0.04	-0.04	0.06	-0.03	0.05	0.02	0.05
RANGE(MAX-MIN)	-3.057	-2.869	-2.473	-2.941	2.196	2.604	-2.625	-2.258
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B5 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT
Castillo, George	0.52	5.04	9.79	9.87	1.37	8.01	8.87
Lopez, Frank	0.38	4.98	9.85	9.90	1.37	8.24	8.77
Foecking, Brian	0.35	5.25	9.88	9.88	1.50	8.36	8.99
Kobrinetz, Jack	0.47	5.48	9.80	9.80	1.34	8.53	9.06
Cales, Jonathon	0.52	4.91	9.88	9.90	1.56	8.26	8.77
Caproni, David	0.64	5.16	9.90	9.90	1.73	7.63	8.15
Hurst, Kevin	0.36	5.53	9.80	9.80	1.12	9.23	9.58
Langford, Mike	0.26	5.01	9.50	9.90	1.88	7.94	8.86
Adams, Pat	0.41	4.70	9.80	9.90	1.50	7.86	8.53
Seiz, Ray	0.34	4.70	9.60	9.70	1.94	8.39	8.58
Sherrod, Jeff	0.43	5.37	9.70	9.80	1.37	7.90	8.34
Greenland, Paul	0.35	5.64	9.70	9.80	1.33	8.08	8.50
Viera, Ralph	0.41	4.77	9.66	9.73	1.58	8.50	8.73
Avis, Steve	0.38	5.49	9.80	9.80	1.33	8.17	8.89
Zalewski, John	0.40	5.40	9.80	9.90	1.64	7.32	8.38
Radonich, Pete	0.44	5.27	9.95	10.00	1.29	8.48	9.18
MAXIMUM	0.64	5.64	9.95	10.00	1.94	9.23	9.58
MINIMUM	0.26	4.70	9.50	9.70	1.12	7.32	8.15
RANGE(MAX-MIN)	0.380	0.940	0.450	0.300	0.820	1.910	1.430
MEAN	0.416	5.169	9.776	9.849	1.491	8.181	8.761
STANDARD DEVIATION	0.090	0.306	0.118	0.077	0.222	0.434	0.354

Part ID= B5 - SQUARE CUT

B5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT
Castillo, George	1.16	-0.42	0.12	0.28	-0.54	-0.39	0.31
Lopez, Frank	-0.40	-0.62	0.63	0.67	-0.54	0.14	0.02
Foecking, Brian	-0.74	0.27	0.89	0.41	0.04	0.41	0.65
Kobrinetz, Jack	0.60	1.02	0.21	-0.64	-0.68	0.80	0.84
Cales, Jonathon	1.16	-0.85	0.89	0.67	0.31	0.18	0.02
Caproni, David	2.50	-0.03	1.06	0.67	1.08	-1.27	-1.73
Hurst, Kevin	-0.63	1.18	0.21	-0.64	-1.67	2.42	2.31
Langford, Mike	-1.74	-0.52	-2.34	0.67	1.75	-0.56	0.28
Adams, Pat	-0.07	-1.53	0.21	0.67	0.04	-0.74	-0.65
Seiz, Ray	-0.85	-1.53	-1.49	-1.94	2.02	0.48	-0.51
Sherrod, Jeff	0.15	0.66	-0.64	-0.64	-0.54	-0.65	-1.19
Greenland, Paul	-0.74	1.54	-0.64	-0.64	-0.72	-0.23	-0.74
Viera, Ralph	-0.07	-1.30	-0.98	-1.55	0.40	0.73	-0.09
Avis, Steve	-0.40	1.05	0.21	-0.64	-0.72	-0.03	0.36
Zalewski, John	-0.18	0.76	0.21	0.67	0.67	-1.99	-1.08
Radonich, Pete	0.27	0.33	1.48	1.97	-0.90	0.69	1.18
MAXIMUM	2.50	1.54	-2.34	1.97	2.02	2.42	2.31
MINIMUM	-0.07	-0.03	0.12	0.28	0.04	-0.03	0.02
RANGE(MAX-MIN)	2.568	1.568	-2.463	1.696	1.979	2.443	2.290
MEAN	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

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= B6 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.88	0.42	8.78	0.71	1.08	1.54	9.33	9.98
Hills, Barry	0.90	0.42	8.89	0.84	1.01	1.40	9.39	9.90
Foecking, Brian	0.99	0.25	8.83	0.63	0.93	1.84	9.61	9.90
Lopez, Frank	0.89	0.30	8.86	0.89	1.19	1.37	9.38	10.00
Kobrinetz, Jack	0.95	0.28	8.76	0.87	1.08	1.25	9.56	9.90
Cales, Jonathon	0.86	0.32	8.78	0.80	0.91	1.63	9.07	10.00
Caproni, David	0.98	0.38	8.18	1.04	1.16	1.53	9.08	10.00
Hurst, Kevin	0.75	0.22	8.80	0.63	1.23	1.59	9.87	9.90
Langford, Mike	0.78	0.17	8.06	0.91	1.08	0.94	9.60	9.90
Adams, Pat	0.79	0.30	8.42	0.73	0.86	1.32	9.29	9.90
Sherrod, Jeff	0.68	0.41	8.35	0.76	1.02	1.80	8.06	9.70
Seiz, Ray	1.13	0.19	8.62	0.87	1.12	1.35	9.08	9.83
Greenland, Paul	0.68	0.29	8.35	0.60	0.69	1.70	9.33	9.80
Viera, Ralph	0.92	0.30	8.74	0.89	1.13	1.53	8.91	9.91
Zalewski, John	1.17	0.20	8.07	1.10	1.28	2.81	9.76	9.90
Avis, Steve	0.64	0.22	8.77	0.60	0.98	1.81	9.31	9.89
Radonich, Pete	0.83	0.27	8.64	0.87	1.20	1.62	9.38	9.95
MAXIMUM	1.17	0.42	8.89	1.10	1.28	2.81	9.87	10.00
MINIMUM	0.64	0.17	8.06	0.60	0.69	0.94	8.06	9.70
RANGE(MAX-MIN)	0.530	0.250	0.830	0.500	0.590	1.870	1.810	0.300
MEAN	0.872	0.291	8.582	0.808	1.056	1.590	9.295	9.904
STANDARD DEVIATION	0.148	0.080	0.284	0.147	0.150	0.389	0.407	0.077

Part ID= B6 - SEQUENCE III

B6 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT
Castillo, George	0.06	1.62	0.70	-0.67	0.16	-0.13	0.09	1.00
Hills, Barry	0.19	1.62	1.08	0.22	-0.31	-0.49	0.23	-0.05
Foecking, Brian	0.80	-0.51	0.87	-1.22	-0.84	0.64	0.77	-0.05
Lopez, Frank	0.12	0.12	0.98	0.56	0.89	-0.57	0.21	1.26
Kobrinetz, Jack	0.53	-0.13	0.63	0.42	0.16	-0.87	0.65	-0.05
Cales, Jonathon	-0.08	0.37	0.70	-0.06	-0.97	0.10	-0.55	1.26
Caproni, David	0.73	1.12	-1.42	1.58	0.69	-0.15	-0.53	1.26
Hurst, Kevin	-0.82	-0.88	0.77	-1.22	1.16	0.00	1.41	-0.05
Langford, Mike	-0.62	-1.51	-1.84	0.69	0.16	-1.67	0.75	-0.05
Adams, Pat	-0.55	0.12	-0.57	-0.53	-1.31	-0.69	-0.01	-0.05
Sherrod, Jeff	-1.30	1.50	-0.82	-0.33	-0.24	0.54	-3.03	-2.66
Seiz, Ray	1.75	-1.26	0.13	0.42	0.43	-0.62	-0.53	-0.96
Greenland, Paul	-1.30	-0.01	-0.82	-1.42	-2.44	0.28	0.09	-1.35
Viera, Ralph	0.33	0.12	0.56	0.56	0.49	-0.15	-0.94	0.08
Zalewski, John	2.02	-1.14	-1.81	1.99	1.49	3.14	1.14	-0.05
Avis, Steve	-1.57	-0.88	0.66	-1.42	-0.51	0.57	0.04	-0.18
Radonich, Pete	-0.28	-0.26	0.20	0.42	0.96	0.08	0.21	0.61
MAXIMUM	2.02	1.62	-1.84	1.99	-2.44	3.14	-3.03	-2.66
MINIMUM	0.06	-0.01	0.13	-0.06	0.16	0.00	-0.01	-0.05
RANGE(MAX-MIN)	1.961	1.629	-1.975	2.048	-2.600	3.137	-3.021	-2.612
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Sequence III Piston Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Barrera, Tony	13	73.8%	95.2%	100.0%	0.0%	0.82	WHITE	
Castillo, George	16	85.7%	99.2%	100.0%	0.0%	0.67	BLUE	
Foecking, Brian	13	88.4%	100.0%	100.0%	0.0%	0.69	BLUE	
Hills, Barry	14	67.0%	97.3%	99.1%	0.9%	0.98	WHITE	
Kobrinetz, Jack	16	84.9%	100.0%	100.0%	0.0%	0.69	RED	
Lopez, Frank	10	79.8%	100.0%	100.0%	0.0%	0.70	WHITE	
Sanchez, Art	10	62.0%	94.9%	100.0%	0.0%	1.05	WHITE	
Adams, Pat	16	84.1%	98.4%	100.0%	0.0%	0.67	RED	
Avis, Steve	16	85.7%	98.4%	100.0%	0.0%	0.70	BLUE	
Cales, Jonathon	16	73.8%	98.4%	100.0%	0.0%	0.84	WHITE	
Caproni, David	16	58.7%	92.1%	98.4%	1.6%	1.14	WHITE	Eng. Judgement
Greenland, Paul	16	62.7%	86.5%	96.0%	4.0%	1.29	WHITE	Eng. Judgement
Hurst, Kevin	16	58.7%	90.5%	97.6%	2.4%	1.19	WHITE	Eng. Judgement
Langford, Mike	16	64.3%	91.3%	100.0%	0.0%	1.11	WHITE	
Lonsway, Chris	10	82.3%	94.9%	98.7%	1.3%	0.88	WHITE	
Lowsky, John	10	48.1%	79.8%	97.5%	2.5%	1.46	YELLOW	
May, Marianne	14	86.5%	100.0%	100.0%	0.0%	0.63	BLUE	
Radonich, Pete	13	88.4%	100.0%	100.0%	0.0%	0.68	BLUE	
Rodriguez, Jesse	10	87.3%	97.5%	100.0%	0.0%	0.69	RED	
Seiz, Ray	10	58.2%	91.1%	96.2%	3.8%	1.24	YELLOW	
Sherrod, Jeff	16	56.4%	86.5%	98.4%	1.6%	1.27	YELLOW	
Shoda, Ron	10	77.2%	89.9%	94.9%	5.1%	1.17	WHITE	Eng. Judgement
Trevino, Robert	14	82.0%	96.4%	100.0%	0.0%	0.81	RED	
Viera, Ralph	16	81.0%	99.2%	100.0%	0.0%	0.70	RED	
Zalewski, John	10	54.4%	92.4%	98.7%	1.3%	1.21	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	7	28%
Red	6	80%	95%	0.85	5	20%
Blue	6	85%	98%	0.75	5	20%
Yellow	-	-	-	-	8	32%

Engineering Judgement: Any rater that was initially grouped as Yellow and was within 5% of the WHITE group, rated all the calibration parts and at least 12 practical application deposit pistons had their data reviewed in more detail for possible regrouping. Additionally, calibration exercises were reviewed for their impact on an initial YELLOW grouping.

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VPCAL - CAL. SEQ. V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Kobrinetz, Jack	8.80	8.86	9.15	8.67
Castillo, George	8.61	8.56	8.95	8.30
Sanchez, Art	9.38	9.25	9.67	9.04
Lopez, Frank	9.19	9.17	9.42	8.71
Barrera, Tony	8.87	8.92	9.07	8.58
Foecking, Brian	9.19	8.91	9.43	8.73
Adams, Pat	9.29	9.08	9.51	8.99
Rodriguez, Jesse	8.98	9.01	9.41	8.67
Lowsky, John	8.43	8.20	8.60	7.55
Viera, Ralph	9.25	8.95	9.44	8.80
Radonich, Pete	8.92	8.97	9.14	8.27
May, Marianne	9.19	9.05	9.43	8.75
Shoda, Ron	8.80	8.57	8.88	8.20
Trevino, Robert	9.24	9.29	9.29	9.08
Cales, Jonathon	8.73	8.90	9.31	8.34
Caproni, David	9.03	9.19	9.08	8.75
Lonsway, Chris	8.91	8.61	9.40	8.22
Langford, Mike	8.24	8.48	8.72	7.77
Greenland, Paul	8.20	8.30	8.57	7.84
Zalewski, John	8.48	8.67	9.20	8.20
Seiz, Ray	8.97	8.75	9.03	8.73
MAXIMUM	9.38	9.29	9.67	9.08
MINIMUM	8.20	8.20	8.57	7.55
RANGE(MAX-MIN)	1.180	1.090	1.100	1.530
MEAN	8.890	8.842	9.176	8.485
STANDARD DEVIATION	0.343	0.304	0.303	0.421

Part ID= VPCAL - CAL. SEQ. V PISTONS

VPCAL YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Kobrinetz, Jack	-0.26	0.06	-0.09	0.44
Castillo, George	-0.82	-0.93	-0.75	-0.44
Sanchez, Art	1.43	1.34	1.63	1.32
Lopez, Frank	0.87	1.08	0.80	0.53
Barrera, Tony	-0.06	0.26	-0.35	0.23
Foecking, Brian	0.87	0.22	0.84	0.58
Adams, Pat	1.16	0.78	1.10	1.20
Rodriguez, Jesse	0.26	0.55	0.77	0.44
Lowsky, John	-1.34	-2.11	-1.90	-2.22
Viera, Ralph	1.05	0.35	0.87	0.75
Radonich, Pete	0.09	0.42	-0.12	-0.51
May, Marianne	0.87	0.68	0.84	0.63
Shoda, Ron	-0.26	-0.90	-0.98	-0.68
Trevino, Robert	1.02	1.47	0.38	1.41
Cales, Jonathon	-0.47	0.19	0.44	-0.35
Caproni, David	0.41	1.14	-0.32	0.63
Lonsway, Chris	0.06	-0.76	0.74	-0.63
Langford, Mike	-1.90	-1.19	-1.50	-1.70
Greenland, Paul	-2.01	-1.78	-2.00	-1.53
Zalewski, John	-1.20	-0.57	0.08	-0.68
Seiz, Ray	0.23	-0.30	-0.48	0.58
MAXIMUM	-2.01	-2.11	-2.00	-2.22
MINIMUM	0.06	0.06	0.08	0.23
RANGE(MAX-MIN)	-2.068	-2.171	-2.077	-2.448
MEAN	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= D1-8 - SEQ. V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Kobrinetz, Jack	8.76	8.96	8.71	8.62	8.84	7.99	7.29	7.32
Foecking, Brian	8.88	9.18	8.69	8.39	8.57	7.93	7.38	7.22
Barrera, Tony	8.92	8.93	8.86	8.76	8.85	8.38	7.93	7.92
Castillo, George	8.68	8.55	8.56	8.43	8.60	7.88	7.87	7.40
Sanchez, Art	9.11	9.05	8.86	8.94	9.03	8.28	8.01	7.57
Lopez, Frank	9.19	9.29	8.83	8.76	9.11	8.15	7.82	7.56
Caproni, David	8.72	8.83	8.55	8.46	8.49	8.16	8.02	8.02
Adams, Pat	9.04	9.06	9.03	9.02	9.09	8.64	8.46	8.28
Cales, Jonathon	8.92	8.85	8.87	8.63	8.49	8.23	7.94	8.03
Rodriguez, Jesse	8.80	8.64	8.75	8.28	8.49	7.91	7.56	7.03
May, Marianne	9.20	9.23	9.12	8.83	9.02	8.57	8.10	8.02
Radonich, Pete	8.88	8.93	8.78	8.56	8.78	8.15	7.62	7.48
Viera, Ralph	8.66	8.67	8.70	8.51	8.87	8.00	8.01	7.61
Shoda, Ron	8.80	9.00	8.70	8.40	8.50	8.00	7.80	7.40
Lonsway, Chris	8.91	9.13	8.69	8.42	8.70	7.93	7.64	7.59
MAXIMUM	9.20	9.29	9.12	9.02	9.11	8.64	8.46	8.28
MINIMUM	8.66	8.55	8.55	8.28	8.49	7.88	7.29	7.03
RANGE(MAX-MIN)	0.540	0.740	0.570	0.740	0.620	0.760	1.170	1.250
MEAN	8.898	8.953	8.780	8.601	8.762	8.147	7.830	7.630
STANDARD DEVIATION	0.173	0.218	0.155	0.219	0.232	0.238	0.298	0.352

Part ID= D1-8 - SEQ. V PISTONS

D1-8 YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Kobrinetz, Jack	-0.80	0.03	-0.45	0.09	0.34	-0.66	-1.81	-0.88
Foecking, Brian	-0.10	1.04	-0.58	-0.96	-0.83	-0.91	-1.51	-1.17
Barrera, Tony	0.13	-0.11	0.52	0.73	0.38	0.98	0.34	0.82
Castillo, George	-1.26	-1.85	-1.42	-0.78	-0.70	-1.12	0.13	-0.65
Sanchez, Art	1.23	0.44	0.52	1.55	1.16	0.56	0.60	-0.17
Lopez, Frank	1.69	1.55	0.32	0.73	1.50	0.01	-0.03	-0.20
Caproni, David	-1.03	-0.57	-1.48	-0.64	-1.17	0.06	0.64	1.11
Adams, Pat	0.82	0.49	1.61	1.91	1.42	2.08	2.11	1.85
Cales, Jonathon	0.13	-0.47	0.58	0.13	-1.17	0.35	0.37	1.14
Rodriguez, Jesse	-0.57	-1.44	-0.19	-1.46	-1.17	-1.00	-0.91	-1.71
May, Marianne	1.75	1.27	2.19	1.04	1.11	1.78	0.91	1.11
Radonich, Pete	-0.10	-0.11	0.00	-0.19	0.08	0.01	-0.70	-0.43
Viera, Ralph	-1.38	-1.30	-0.52	-0.41	0.47	-0.62	0.60	-0.06
Shoda, Ron	-0.57	0.21	-0.52	-0.91	-1.13	-0.62	-0.10	-0.65
Lonsway, Chris	0.07	0.81	-0.58	-0.82	-0.27	-0.91	-0.64	-0.11
MAXIMUM	1.75	-1.85	2.19	1.91	1.50	2.08	2.11	1.85
MINIMUM	0.07	0.03	0.00	0.09	0.08	0.01	-0.03	-0.06
RANGE(MAX-MIN)	1.679	-1.883	2.190	1.822	1.425	2.062	2.148	1.904
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= E1-8 - SEQ. V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Kobrinetz, Jack	8.95	8.80	8.41	8.28	8.09	8.22	8.13	8.11
Barrera, Tony	9.11	8.80	8.49	8.42	8.27	8.33	8.38	8.29
Foecking, Brian	9.20	9.18	8.16	8.09	7.92	7.74	7.87	7.64
Castillo, George	8.99	8.49	8.04	8.25	7.92	8.11	7.84	7.89
Lopez, Frank	9.29	9.21	8.62	8.32	8.54	8.55	8.29	7.88
Sanchez, Art	9.15	8.78	8.50	8.42	8.38	8.40	8.64	7.89
Caproni, David	9.12	8.92	8.37	8.32	8.37	8.09	8.39	7.99
Cales, Jonathon	8.99	8.67	8.10	8.24	8.06	7.89	7.82	7.77
Adams, Pat	9.15	9.02	8.67	8.76	8.54	8.10	8.08	8.03
Rodriguez, Jesse	9.01	8.66	8.15	8.69	7.73	7.41	7.43	7.67
Radonich, Pete	9.15	9.00	8.26	8.18	8.19	7.84	8.21	7.75
Viera, Ralph	9.10	8.59	8.04	8.35	8.24	7.70	8.51	8.12
Shoda, Ron	9.50	9.10	8.40	8.10	7.80	7.90	8.30	7.60
May, Marianne	9.33	9.16	8.78	8.88	8.57	8.45	8.66	8.25
Lowsky, John	8.05	7.45	7.54	7.88	6.73	7.25	7.81	7.43
MAXIMUM	9.50	9.21	8.78	8.88	8.57	8.55	8.66	8.29
MINIMUM	8.05	7.45	7.54	7.88	6.73	7.25	7.43	7.43
RANGE(MAX-MIN)	1.450	1.760	1.240	1.000	1.840	1.300	1.230	0.860
MEAN	9.073	8.789	8.302	8.345	8.090	7.999	8.157	7.887
STANDARD DEVIATION	0.318	0.434	0.313	0.265	0.462	0.375	0.349	0.248

Part ID= E1-8 - SEQ. V PISTONS

E1-8 Yi Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Kobrinetz, Jack	-0.39	0.03	0.35	-0.25	0.00	0.59	-0.08	0.90
Barrera, Tony	0.12	0.03	0.60	0.28	0.39	0.88	0.64	1.62
Foecking, Brian	0.40	0.90	-0.45	-0.96	-0.37	-0.69	-0.82	-1.00
Castillo, George	-0.26	-0.69	-0.84	-0.36	-0.37	0.30	-0.91	0.01
Lopez, Frank	0.68	0.97	1.02	-0.10	0.97	1.47	0.38	-0.03
Sanchez, Art	0.24	-0.02	0.63	0.28	0.63	1.07	1.38	0.01
Caproni, David	0.15	0.30	0.22	-0.10	0.61	0.24	0.67	0.41
Cales, Jonathon	-0.26	-0.27	-0.65	-0.40	-0.07	-0.29	-0.97	-0.47
Adams, Pat	0.24	0.53	1.18	1.57	0.97	0.27	-0.22	0.58
Rodriguez, Jesse	-0.20	-0.30	-0.49	1.30	-0.78	-1.57	-2.08	-0.88
Radonich, Pete	0.24	0.49	-0.13	-0.62	0.22	-0.42	0.15	-0.55
Viera, Ralph	0.09	-0.46	-0.84	0.02	0.32	-0.80	1.01	0.94
Shoda, Ron	1.35	0.72	0.31	-0.93	-0.63	-0.26	0.41	-1.16
May, Marianne	0.81	0.86	1.53	2.02	1.04	1.20	1.44	1.46
Lowsky, John	-3.22	-3.09	-2.44	-1.76	-2.95	-2.00	-0.99	-1.84
MAXIMUM	-3.22	-3.09	-2.44	2.02	-2.95	-2.00	-2.08	-1.84
MINIMUM	0.09	-0.02	-0.13	0.02	0.00	0.24	-0.08	0.01
RANGE(MAX-MIN)	-3.305	-3.067	-2.302	2.000	-2.945	-2.240	-2.004	-1.855
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= M1-8 - SEQ. V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI	
Foecking, Brian	9.37	9.03	8.60	8.52	8.81	8.43	8.76	8.80	
Kobrinetz, Jack	9.26	9.23	8.83	8.57	8.62	8.57	8.51	8.48	
Barrera, Tony	9.30	9.15	9.07	8.95	9.02	8.96	8.91	9.13	
Zalewski, John	9.15	8.75	8.19	8.17	7.97	7.60	8.01	7.90	
Lowsky, John	9.12	8.65	8.30	7.78	7.65	7.95	7.85	7.98	
Adams, Pat	9.41	9.21	8.95	8.89	9.11	8.52	8.65	8.88	
May, Marianne	9.50	9.32	9.12	8.76	8.86	8.79	8.78	8.92	
Seiz, Ray	9.24	8.92	8.87	8.53	8.81	8.86	8.93	8.81	
Lonsway, Chris	9.41	9.08	8.61	8.50	8.74	8.48	8.33	8.68	
Radonich, Pete	9.44	9.15	8.93	8.69	8.67	8.60	8.57	8.67	
Shoda, Ron	9.50	9.20	9.00	8.80	8.80	8.00	8.20	8.60	
MAXIMUM	9.50	9.32	9.12	8.95	9.11	8.96	8.93	9.13	
MINIMUM	9.12	8.65	8.19	7.78	7.65	7.60	7.85	7.90	
RANGE(MAX-MIN)	0.380	0.670	0.930	1.170	1.460	1.360	1.080	1.230	
MEAN	9.336	9.063	8.770	8.560	8.642	8.433	8.500	8.623	
STANDARD DEVIATION	0.132	0.210	0.308	0.338	0.440	0.419	0.362	0.380	

Part ID= M1-8 - SEQ. V PISTONS

M1-8 Yi Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI	
Foecking, Brian	0.25	-0.16	-0.55	-0.12	0.38	-0.01	0.72	0.47	
Kobrinetz, Jack	-0.58	0.80	0.19	0.03	-0.05	0.33	0.03	-0.38	
Barrera, Tony	-0.28	0.42	0.97	1.15	0.86	1.26	1.13	1.34	
Zalewski, John	-1.41	-1.49	-1.88	-1.15	-1.53	-1.99	-1.35	-1.90	
Lowsky, John	-1.64	-1.97	-1.53	-2.31	-2.25	-1.15	-1.80	-1.69	
Adams, Pat	0.56	0.70	0.58	0.98	1.06	0.21	0.41	0.68	
May, Marianne	1.24	1.23	1.14	0.59	0.50	0.85	0.77	0.78	
Seiz, Ray	-0.73	-0.68	0.32	-0.09	0.38	1.02	1.19	0.49	
Lonsway, Chris	0.56	0.08	-0.52	-0.18	0.22	0.11	-0.47	0.15	
Radonich, Pete	0.79	0.42	0.52	0.38	0.06	0.40	0.19	0.12	
Shoda, Ron	1.24	0.65	0.75	0.71	0.36	-1.03	-0.83	-0.06	
MAXIMUM	-1.64	-1.97	-1.88	-2.31	-2.25	-1.99	-1.80	-1.90	
MINIMUM	0.25	0.08	0.19	0.03	-0.05	-0.01	0.03	-0.06	
RANGE(MAX-MIN)	-1.894	-2.050	-2.078	-2.338	-2.204	-1.979	-1.825	-1.845	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= N1-8 - SEQ. V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Foecking, Brian	9.23	8.86	8.80	8.93	8.86	8.79	8.57	8.45
Kobrinetz, Jack	9.04	8.87	8.75	8.74	8.78	8.56	8.52	8.07
Zalewski, John	9.05	8.49	8.43	8.45	8.46	8.38	7.66	7.61
Langford, Mike	8.61	8.43	8.23	8.43	8.23	7.98	7.43	7.23
Adams, Pat	9.39	8.99	8.81	8.99	8.77	8.67	8.35	8.42
Seiz, Ray	9.12	8.76	9.02	9.20	8.94	8.90	8.67	8.31
Radonich, Pete	9.25	8.74	8.66	8.67	8.76	8.72	8.52	8.36
Trevino, Robert	9.30	9.05	9.02	9.14	9.01	9.01	8.52	8.54
Rodriguez, Jesse	9.31	8.61	8.48	8.49	8.57	8.34	7.96	8.06
Shoda, Ron	9.40	9.10	8.90	9.10	8.70	8.50	7.90	7.60
Lowsky, John	8.83	8.35	8.58	8.38	8.30	8.05	7.88	8.00
MAXIMUM	9.40	9.10	9.02	9.20	9.01	9.01	8.67	8.54
MINIMUM	8.61	8.35	8.23	8.38	8.23	7.98	7.43	7.23
RANGE(MAX-MIN)	0.790	0.750	0.790	0.820	0.780	1.030	1.240	1.310
MEAN	9.139	8.750	8.698	8.775	8.671	8.536	8.180	8.059
STANDARD DEVIATION	0.245	0.254	0.251	0.310	0.253	0.329	0.426	0.421

Part ID= N1-8 - SEQ. V PISTONS

N1-8 YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Foecking, Brian	0.37	0.43	0.41	0.50	0.75	0.77	0.91	0.93
Kobrinetz, Jack	-0.40	0.47	0.21	-0.11	0.43	0.07	0.80	0.03
Zalewski, John	-0.36	-1.02	-1.07	-1.05	-0.83	-0.48	-1.22	-1.07
Langford, Mike	-2.16	-1.26	-1.87	-1.11	-1.74	-1.69	-1.76	-1.97
Adams, Pat	1.02	0.94	0.45	0.69	0.39	0.41	0.40	0.86
Seiz, Ray	-0.08	0.04	1.28	1.37	1.06	1.10	1.15	0.60
Radonich, Pete	0.45	-0.04	-0.15	-0.34	0.35	0.56	0.80	0.72
Trevino, Robert	0.66	1.18	1.28	1.18	1.34	1.44	0.80	1.14
Rodriguez, Jesse	0.70	-0.55	-0.87	-0.92	-0.40	-0.60	-0.52	0.00
Shoda, Ron	1.06	1.38	0.81	1.05	0.12	-0.11	-0.66	-1.09
Lowsky, John	-1.26	-1.57	-0.47	-1.27	-1.47	-1.48	-0.70	-0.14
MAXIMUM	-2.16	-1.57	-1.87	1.37	-1.74	-1.69	-1.76	-1.97
MINIMUM	-0.08	0.04	-0.15	-0.11	0.12	0.07	0.40	0.00
RANGE(MAX-MIN)	-2.082	-1.613	-1.717	1.482	-1.858	-1.762	-2.158	-1.972
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVCA11 - VG ROCKER COVER BAFFLE L

Rated Values

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

Rater	AVERAG	
Kobrinetz, Jack	9.84	
Foecking, Brian	9.80	
Sanchez, Art	9.81	
Hills, Barry	9.73	
Lopez, Frank	9.82	
Castillo, George	9.75	
Barrera, Tony	9.68	
Adams, Pat	9.80	
Rodriguez, Jesse	9.90	
Radonich, Pete	9.80	
Caproni, David	9.85	
Cales, Jonathon	9.79	
Avis, Steve	9.74	
Lowsky, John	9.67	
Viera, Ralph	9.62	
Hurst, Kevin	9.61	
May, Marianne	9.70	
Trevino, Robert	9.70	
Seiz, Ray	9.48	
Shoda, Ron	9.80	
Langford, Mike	9.70	
Sherrod, Jeff	9.62	
Zalewski, John	9.80	
Lonsway, Chris	9.77	
Greenland, Paul	9.73	
MAXIMUM	9.90	
MINIMUM	9.48	
RANGE(MAX-MIN)	0.420	
MEAN	9.740	
STANDARD DEVIATION	0.093	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVCAL1 - VG ROCKER COVER BAFFLE L

VVCAL1 Yi Values

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

Rater	AVERAG	
Kobrinetz, Jack	1.07	
Foecking, Brian	0.64	
Sanchez, Art	0.75	
Hills, Barry	-0.11	
Lopez, Frank	0.86	
Castillo, George	0.10	
Barrera, Tony	-0.65	
Adams, Pat	0.64	
Rodriguez, Jesse	1.72	
Radonich, Pete	0.64	
Caproni, David	1.18	
Cales, Jonathon	0.53	
Avis, Steve	0.00	
Lowsky, John	-0.76	
Viera, Ralph	-1.30	
Hurst, Kevin	-1.40	
May, Marianne	-0.43	
Trevino, Robert	-0.43	
Seiz, Ray	-2.80	
Shoda, Ron	0.64	
Langford, Mike	-0.43	
Sherrod, Jeff	-1.30	
Zalewski, John	0.64	
Lonsway, Chris	0.32	
Greenland, Paul	-0.11	
MAXIMUM	-2.80	
MINIMUM	0.00	
RANGE(MAX-MIN)	-2.798	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVCAL2 - VG ROCKER COVER BAFFLE R

Rated Values

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

Rater	AVERAG	
Sanchez, Art	9.16	
Lopez, Frank	9.71	
Barrera, Tony	9.47	
Foecking, Brian	9.30	
Kobrinetz, Jack	9.38	
Castillo, George	8.48	
Hills, Barry	9.45	
Caproni, David	9.69	
Rodriguez, Jesse	9.83	
Adams, Pat	9.72	
Seiz, Ray	9.16	
Lowsky, John	9.38	
Avis, Steve	9.50	
Langford, Mike	9.02	
Viera, Ralph	9.16	
Greenland, Paul	8.99	
May, Marianne	9.53	
Trevino, Robert	9.43	
Hurst, Kevin	9.40	
Radonich, Pete	9.44	
Zalewski, John	9.62	
Lonsway, Chris	9.52	
Shoda, Ron	9.35	
Cales, Jonathon	9.65	
MAXIMUM	9.83	
MINIMUM	8.48	
RANGE(MAX-MIN)	1.350	
MEAN	9.389	
STANDARD DEVIATION	0.293	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVCAL2 - VG ROCKER COVER BAFFLE R

VVCAL2 YI Values

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

Rater	AVERAG	
Sanchez, Art	-0.78	
Lopez, Frank	1.10	
Barrera, Tony	0.28	
Foecking, Brian	-0.30	
Kobrinetz, Jack	-0.03	
Castillo, George	-3.11	
Hills, Barry	0.21	
Caproni, David	1.03	
Rodriguez, Jesse	1.51	
Adams, Pat	1.13	
Seiz, Ray	-0.78	
Lowsky, John	-0.03	
Avis, Steve	0.38	
Langford, Mike	-1.26	
Viera, Ralph	-0.78	
Greenland, Paul	-1.36	
May, Marianne	0.48	
Trevino, Robert	0.14	
Hurst, Kevin	0.04	
Radonich, Pete	0.17	
Zalewski, John	0.79	
Lonsway, Chris	0.45	
Shoda, Ron	-0.13	
Cales, Jonathon	0.89	
MAXIMUM	-3.11	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-3.074	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBVL - VG ROCKER COVER BAFFLE L

Rated Values

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

Rater	AVERAG	
Foecking, Brian	9.70	
Castillo, George	9.62	
Kobrinetz, Jack	9.80	
Sanchez, Art	9.43	
Hills, Barry	9.74	
Barrera, Tony	9.70	
Lopez, Frank	9.80	
Viera, Ralph	9.73	
Lonsway, Chris	9.79	
Cales, Jonathon	9.77	
Rodriguez, Jesse	9.90	
May, Marianne	9.63	
Caproni, David	9.80	
Adams, Pat	9.80	
Seiz, Ray	9.36	
Lowsky, John	9.38	
Trevino, Robert	9.68	
Radonich, Pete	9.75	
Zalewski, John	9.80	
Shoda, Ron	9.70	
MAXIMUM	9.90	
MINIMUM	9.36	
RANGE(MAX-MIN)	0.540	
MEAN	9.694	
STANDARD DEVIATION	0.147	

Part ID= VRCBVL - VG ROCKER COVER BAFFLE L

VRCBVL Yi Values

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

Rater	AVERAG	
Foecking, Brian	0.04	
Castillo, George	-0.50	
Kobrinetz, Jack	0.72	
Sanchez, Art	-1.80	
Hills, Barry	0.31	
Barrera, Tony	0.04	
Lopez, Frank	0.72	
Viera, Ralph	0.25	
Lonsway, Chris	0.65	
Cales, Jonathon	0.52	
Rodriguez, Jesse	1.40	
May, Marianne	-0.44	
Caproni, David	0.72	
Adams, Pat	0.72	
Seiz, Ray	-2.27	
Lowsky, John	-2.14	
Trevino, Robert	-0.10	
Radonich, Pete	0.38	
Zalewski, John	0.72	
Shoda, Ron	0.04	
MAXIMUM	-2.27	
MINIMUM	0.04	
RANGE(MAX-MIN)	-2.315	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBVR - VG ROCKER COVER BAFFLE R

Rated Values

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

Rater	AVERAG	
Foecking, Brian	9.80	
Castillo, George	9.54	
Kobrinetz, Jack	9.64	
Sanchez, Art	9.43	
Hills, Barry	9.75	
Barrera, Tony	9.63	
Lopez, Frank	9.66	
Viera, Ralph	9.59	
Lonsway, Chris	9.78	
Cales, Jonathon	9.80	
Rodriguez, Jesse	9.90	
Caproni, David	9.80	
May, Marianne	9.62	
Adams, Pat	9.90	
Seiz, Ray	9.32	
Lowsky, John	9.50	
Trevino, Robert	9.60	
Radonich, Pete	9.72	
Zalewski, John	9.50	
Shoda, Ron	9.76	
MAXIMUM	9.90	
MINIMUM	9.32	
RANGE(MAX-MIN)	0.580	
MEAN	9.662	
STANDARD DEVIATION	0.155	

Part ID= VRCBVR - VG ROCKER COVER BAFFLE R

VRCBVR YI Values

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

Rater	AVERAG	
Foecking, Brian	0.89	
Castillo, George	-0.79	
Kobrinetz, Jack	-0.14	
Sanchez, Art	-1.50	
Hills, Barry	0.57	
Barrera, Tony	-0.21	
Lopez, Frank	-0.01	
Viera, Ralph	-0.47	
Lonsway, Chris	0.76	
Cales, Jonathon	0.89	
Rodriguez, Jesse	1.54	
Caproni, David	0.89	
May, Marianne	-0.27	
Adams, Pat	1.54	
Seiz, Ray	-2.21	
Lowsky, John	-1.05	
Trevino, Robert	-0.40	
Radonich, Pete	0.37	
Zalewski, John	-1.05	
Shoda, Ron	0.63	
MAXIMUM	-2.21	
MINIMUM	-0.01	
RANGE(MAX-MIN)	-2.196	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

## Sequence V Varnish

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Barrera, Tony	28	81.3%	100.0%	100.0%	0.0%	0.49	RED	
Castillo, George	20	79.2%	95.8%	95.8%	4.2%	0.74	WHITE	
Foecking, Brian	36	90.0%	100.0%	100.0%	0.0%	0.72	BLUE	
Kobrinetz, Jack	36	97.5%	100.0%	100.0%	0.0%	0.54	BLUE	
Lopez, Frank	20	75.0%	100.0%	100.0%	0.0%	0.54	WHITE	
Sanchez, Art	20	62.5%	100.0%	100.0%	0.0%	0.74	WHITE	
Adams, Pat	36	65.0%	95.0%	100.0%	0.0%	0.55	WHITE	
Cales, Jonathon	20	95.8%	100.0%	100.0%	0.0%	0.60	BLUE	
Caproni, David	20	79.2%	100.0%	100.0%	0.0%	0.70	WHITE	
Langford, Mike	12	21.4%	92.9%	100.0%	0.0%	0.57	YELLOW	
Lonsway, Chris	20	100.0%	100.0%	100.0%	0.0%	0.52	BLUE	
Lowsky, John	36	40.6%	79.7%	90.6%	9.4%	1.26	YELLOW	
May, Marianne	28	53.1%	93.8%	100.0%	0.0%	0.52	YELLOW	
Radonich, Pete	36	100.0%	100.0%	100.0%	0.0%	0.40	BLUE	
Rodriguez, Jesse	28	65.6%	96.9%	100.0%	0.0%	0.99	WHITE	
Seiz, Ray	20	58.3%	100.0%	100.0%	0.0%	0.84	YELLOW	
Shoda, Ron	36	80.0%	100.0%	100.0%	0.0%	0.74	RED	
Trevino, Robert	12	43.8%	100.0%	100.0%	0.0%	0.53	YELLOW	
Viera, Ralph	20	83.3%	100.0%	100.0%	0.0%	0.75	RED	
Zalewski, John	20	45.8%	100.0%	100.0%	0.0%	0.80	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	6	30%
Red	6	80%	95%	0.85	3	15%
Blue	6	85%	98%	0.75	5	25%
Yellow	-	-	-	-	6	30%

Engineering Judgement: Any rater that was initially grouped as Yellow and was within 5% of the WHITE group, rated all the calibration parts and at least 28 practical application deposit pistons had their data reviewed in more detail for possible regrouping. Additionally, calibration exercises were reviewed for their impact on an initial YELLOW grouping.

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VSCAL1 - VG ROCKER COVER BAFFLE L

Rated Values

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

Rater	TOTALS	
Kobrinetz, Jack	9.65	
Foecking, Brian	9.50	
Hills, Barry	9.55	
Sanchez, Art	9.65	
Castillo, George	9.73	
Lopez, Frank	9.71	
Barrera, Tony	9.73	
Adams, Pat	9.56	
Radonich, Pete	9.45	
Caproni, David	9.53	
Cales, Jonathon	9.60	
Avis, Steve	9.65	
Hurst, Kevin	9.66	
Viera, Ralph	9.73	
May, Marianne	9.50	
Lowsky, John	9.38	
Trevino, Robert	9.69	
Seiz, Ray	9.46	
Langford, Mike	9.67	
Shoda, Ron	9.58	
Sherrod, Jeff	9.70	
Zalewski, John	9.64	
Lonsway, Chris	9.43	
Greenland, Paul	9.66	
Rodriguez, Jesse	9.66	
MAXIMUM	9.73	
MINIMUM	9.38	
RANGE(MAX-MIN)	0.350	
MEAN	9.603	
STANDARD DEVIATION	0.103	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VSCAL1 - VG ROCKER COVER BAFFLE L

VSCAL1 Yi Values

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

Rater	TOTALS	
Kobrinetz, Jack	0.46	
Foecking, Brian	-1.00	
Hills, Barry	-0.51	
Sanchez, Art	0.46	
Castillo, George	1.24	
Lopez, Frank	1.04	
Barrera, Tony	1.24	
Adams, Pat	-0.42	
Radonich, Pete	-1.48	
Caproni, David	-0.71	
Cales, Jonathon	-0.03	
Avis, Steve	0.46	
Hurst, Kevin	0.56	
Viera, Ralph	1.24	
May, Marianne	-1.00	
Lowsky, John	-2.16	
Trevino, Robert	0.85	
Seiz, Ray	-1.39	
Langford, Mike	0.65	
Shoda, Ron	-0.22	
Sherrod, Jeff	0.94	
Zalewski, John	0.36	
Lonsway, Chris	-1.68	
Greenland, Paul	0.56	
Rodriguez, Jesse	0.56	
MAXIMUM	-2.16	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-2.137	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VSCAL2 - VG ROCKER COVER BAFFLE R

Rated Values

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

Rater	TOTALS	
Sanchez, Art	6.97	
Lopez, Frank	7.36	
Barrera, Tony	7.55	
Kobrinetz, Jack	8.00	
Foecking, Brian	7.44	
Hills, Barry	7.70	
Castillo, George	7.41	
Avis, Steve	8.66	
Rodriguez, Jesse	7.10	
Adams, Pat	8.55	
Seiz, Ray	7.68	
Lowsky, John	6.62	
Langford, Mike	7.72	
Greenland, Paul	7.69	
Viera, Ralph	6.84	
May, Marianne	7.44	
Trevino, Robert	7.55	
Hurst, Kevin	6.88	
Radonich, Pete	7.47	
Zalewski, John	7.15	
Shoda, Ron	6.93	
Lonsway, Chris	7.44	
Cales, Jonathon	7.63	
Caproni, David	7.39	
MAXIMUM	8.66	
MINIMUM	6.62	
RANGE(MAX-MIN)	2.040	
MEAN	7.465	
STANDARD DEVIATION	0.484	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VSCAL2 - VG ROCKER COVER BAFFLE R

VSCAL2 Yi Values

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

Rater	TOTALS	
Sanchez, Art	-1.02	
Lopez, Frank	-0.22	
Barrera, Tony	0.17	
Kobrinetz, Jack	1.11	
Foecking, Brian	-0.05	
Hills, Barry	0.48	
Castillo, George	-0.11	
Avis, Steve	2.47	
Rodriguez, Jesse	-0.76	
Adams, Pat	2.24	
Seiz, Ray	0.44	
Lowsky, John	-1.75	
Langford, Mike	0.53	
Greenland, Paul	0.46	
Viera, Ralph	-1.29	
May, Marianne	-0.05	
Trevino, Robert	0.17	
Hurst, Kevin	-1.21	
Radonich, Pete	0.01	
Zalewski, John	-0.65	
Shoda, Ron	-1.11	
Lonsway, Chris	-0.05	
Cales, Jonathon	0.34	
Caproni, David	-0.16	
MAXIMUM	2.47	
MINIMUM	0.01	
RANGE(MAX-MIN)	2.460	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVDL - VG VALVE DECK AREA L

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.43	
Castillo, George	9.61	
Sanchez, Art	9.55	
Lopez, Frank	9.54	
Barrera, Tony	9.62	
Hills, Barry	9.63	
Kobrinetz, Jack	9.55	
Viera, Ralph	9.53	
Lonsway, Chris	9.36	
Cales, Jonathon	9.52	
Langford, Mike	9.70	
Rodriguez, Jesse	9.55	
Caproni, David	9.53	
May, Marianne	9.52	
Avis, Steve	9.64	
Adams, Pat	9.52	
Seiz, Ray	9.42	
Lowsky, John	9.64	
Trevino, Robert	9.68	
Zalewski, John	9.45	
Radonich, Pete	9.50	
Shoda, Ron	9.44	
Hurst, Kevin	9.71	
MAXIMUM	9.71	
MINIMUM	9.36	
RANGE(MAX-MIN)	0.350	
MEAN	9.550	
STANDARD DEVIATION	0.093	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVDL - VG VALVE DECK AREA L

VVDL Yi Values

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

Rater	TOTALS	
Foecking, Brian	-1.28	
Castillo, George	0.65	
Sanchez, Art	0.00	
Lopez, Frank	-0.10	
Barrera, Tony	0.75	
Hills, Barry	0.86	
Kobrinetz, Jack	0.00	
Viera, Ralph	-0.21	
Lonsway, Chris	-2.03	
Cales, Jonathon	-0.32	
Langford, Mike	1.61	
Rodriguez, Jesse	0.00	
Caproni, David	-0.21	
May, Marianne	-0.32	
Avis, Steve	0.97	
Adams, Pat	-0.32	
Seiz, Ray	-1.39	
Lowsky, John	0.97	
Trevino, Robert	1.40	
Zalewski, John	-1.07	
Radonich, Pete	-0.53	
Shoda, Ron	-1.17	
Hurst, Kevin	1.72	
MAXIMUM	-2.03	
MINIMUM	0.00	
RANGE(MAX-MIN)	-2.036	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VTCC - VG TIMING CHAIN COVER

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.60	
Castillo, George	9.64	
Sanchez, Art	9.69	
Hills, Barry	9.46	
Lopez, Frank	9.67	
Barrera, Tony	9.70	
Kobrinetz, Jack	9.64	
Lonsway, Chris	9.56	
Viera, Ralph	9.79	
Cales, Jonathon	9.60	
Rodriguez, Jesse	9.63	
Langford, Mike	9.69	
Caproni, David	9.55	
May, Marianne	9.56	
Avis, Steve	9.61	
Adams, Pat	9.52	
Greenland, Paul	9.52	
Seiz, Ray	9.63	
Lowsky, John	9.60	
Trevino, Robert	9.67	
Hurst, Kevin	9.73	
Zalewski, John	9.62	
Radonich, Pete	9.59	
Shoda, Ron	9.52	
MAXIMUM	9.79	
MINIMUM	9.46	
RANGE(MAX-MIN)	0.330	
MEAN	9.616	
STANDARD DEVIATION	0.076	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VTCC - VG TIMING CHAIN COVER

VTCC Yi Values

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

Rater	TOTALS	
Foecking, Brian	-0.21	
Castillo, George	0.31	
Sanchez, Art	0.97	
Hills, Barry	-2.06	
Lopez, Frank	0.71	
Barrera, Tony	1.10	
Kobrinetz, Jack	0.31	
Lonsway, Chris	-0.74	
Viera, Ralph	2.29	
Cales, Jonathon	-0.21	
Rodriguez, Jesse	0.18	
Langford, Mike	0.97	
Caproni, David	-0.87	
May, Marianne	-0.74	
Avis, Steve	-0.08	
Adams, Pat	-1.27	
Greenland, Paul	-1.27	
Seiz, Ray	0.18	
Lowsky, John	-0.21	
Trevino, Robert	0.71	
Hurst, Kevin	1.50	
Zalewski, John	0.05	
Radonich, Pete	-0.35	
Shoda, Ron	-1.27	
MAXIMUM	2.29	
MINIMUM	0.05	
RANGE(MAX-MIN)	2.238	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRRCR - VG ROCKER COVER RIGHT

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.73	
Castillo, George	9.67	
Sanchez, Art	9.60	
Hills, Barry	9.63	
Lopez, Frank	9.69	
Barrera, Tony	9.69	
Kobrinetz, Jack	9.62	
Lonsway, Chris	9.48	
Viera, Ralph	9.79	
Cales, Jonathon	9.66	
Langford, Mike	9.82	
Rodriguez, Jesse	9.67	
May, Marianne	9.58	
Avis, Steve	9.63	
Caproni, David	9.64	
Adams, Pat	9.65	
Greenland, Paul	9.54	
Seiz, Ray	9.55	
Trevino, Robert	9.74	
Lowsky, John	9.63	
Zalewski, John	9.61	
Radonich, Pete	9.60	
Shoda, Ron	9.57	
Hurst, Kevin	9.69	
MAXIMUM	9.82	
MINIMUM	9.48	
RANGE(MAX-MIN)	0.340	
MEAN	9.645	
STANDARD DEVIATION	0.078	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRRCR - VG ROCKER COVER RIGHT

VRRCR Yi Values

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

Rater	TOTALS	
Foecking, Brian	1.09	
Castillo, George	0.32	
Sanchez, Art	-0.58	
Hills, Barry	-0.19	
Lopez, Frank	0.58	
Barrera, Tony	0.58	
Kobrinetz, Jack	-0.32	
Lonsway, Chris	-2.12	
Viera, Ralph	1.86	
Cales, Jonathon	0.19	
Langford, Mike	2.25	
Rodriguez, Jesse	0.32	
May, Marianne	-0.84	
Avis, Steve	-0.19	
Caproni, David	-0.06	
Adams, Pat	0.06	
Greenland, Paul	-1.35	
Seiz, Ray	-1.22	
Trevino, Robert	1.22	
Lowsky, John	-0.19	
Zalewski, John	-0.45	
Radonich, Pete	-0.58	
Shoda, Ron	-0.96	
Hurst, Kevin	0.58	
MAXIMUM	2.25	
MINIMUM	-0.06	
RANGE(MAX-MIN)	2.314	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCL - VG ROCKER COVER LEFT

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.66	
Castillo, George	9.57	
Sanchez, Art	9.67	
Hills, Barry	9.51	
Lopez, Frank	9.70	
Barrera, Tony	9.69	
Kobrinetz, Jack	9.65	
Rodriguez, Jesse	9.66	
Viera, Ralph	9.71	
Lonsway, Chris	9.46	
Cales, Jonathon	9.64	
Langford, Mike	9.70	
Avis, Steve	9.54	
May, Marianne	9.52	
Caproni, David	9.60	
Adams, Pat	9.64	
Greenland, Paul	9.46	
Seiz, Ray	9.60	
Lowsky, John	9.65	
Trevino, Robert	9.74	
Zalewski, John	9.52	
Radonich, Pete	9.53	
Shoda, Ron	9.54	
Hurst, Kevin	9.64	
MAXIMUM	9.74	
MINIMUM	9.46	
RANGE(MAX-MIN)	0.280	
MEAN	9.608	
STANDARD DEVIATION	0.082	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCL - VG ROCKER COVER LEFT

VRCL Yi Values

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

Rater	TOTALS	
Foecking, Brian	0.63	
Castillo, George	-0.47	
Sanchez, Art	0.76	
Hills, Barry	-1.21	
Lopez, Frank	1.12	
Barrera, Tony	1.00	
Kobrinetz, Jack	0.51	
Rodriguez, Jesse	0.63	
Viera, Ralph	1.25	
Lonsway, Chris	-1.82	
Cales, Jonathon	0.39	
Langford, Mike	1.12	
Avis, Steve	-0.84	
May, Marianne	-1.08	
Caproni, David	-0.10	
Adams, Pat	0.39	
Greenland, Paul	-1.82	
Seiz, Ray	-0.10	
Lowsky, John	0.51	
Trevino, Robert	1.61	
Zalewski, John	-1.08	
Radonich, Pete	-0.96	
Shoda, Ron	-0.84	
Hurst, Kevin	0.39	
MAXIMUM	-1.82	
MINIMUM	-0.10	
RANGE(MAX-MIN)	-1.716	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBR - VG ROCKER COVER BAFFLE R

Rated Values

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

Rater	TOTALS	
Foecking, Brian	8.40	
Castillo, George	9.04	
Sanchez, Art	8.91	
Hills, Barry	9.00	
Lopez, Frank	8.85	
Barrera, Tony	9.11	
Kobrinetz, Jack	9.00	
Viera, Ralph	9.11	
Lonsway, Chris	8.62	
Cales, Jonathon	9.09	
Langford, Mike	9.12	
Rodriguez, Jesse	8.55	
Caproni, David	8.85	
May, Marianne	8.52	
Avis, Steve	8.38	
Adams, Pat	8.34	
Greenland, Paul	9.04	
Seiz, Ray	8.81	
Trevino, Robert	9.11	
Lowsky, John	8.96	
Hurst, Kevin	9.33	
Zalewski, John	8.30	
Radonich, Pete	8.57	
Shoda, Ron	8.55	
MAXIMUM	9.33	
MINIMUM	8.30	
RANGE(MAX-MIN)	1.030	
MEAN	8.815	
STANDARD DEVIATION	0.300	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBR - VG ROCKER COVER BAFFLE R

VRCBR Yi Values

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

Rater	TOTALS	
Foecking, Brian	-1.38	
Castillo, George	0.75	
Sanchez, Art	0.32	
Hills, Barry	0.62	
Lopez, Frank	0.12	
Barrera, Tony	0.98	
Kobrinetz, Jack	0.62	
Viera, Ralph	0.98	
Lonsway, Chris	-0.65	
Cales, Jonathon	0.92	
Langford, Mike	1.02	
Rodriguez, Jesse	-0.88	
Caproni, David	0.12	
May, Marianne	-0.98	
Avis, Steve	-1.45	
Adams, Pat	-1.58	
Greenland, Paul	0.75	
Seiz, Ray	-0.02	
Trevino, Robert	0.98	
Lowsky, John	0.48	
Hurst, Kevin	1.71	
Zalewski, John	-1.71	
Radonich, Pete	-0.82	
Shoda, Ron	-0.88	
MAXIMUM	1.71	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.731	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBL - VG ROCKER COVER BAFFLE L

Rated Values

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

Rater	TOTALS	
Foecking, Brian	8.77	
Castillo, George	9.10	
Sanchez, Art	8.94	
Hills, Barry	9.03	
Lopez, Frank	9.23	
Barrera, Tony	9.27	
Kobrinetz, Jack	9.04	
Viera, Ralph	9.27	
Lonsway, Chris	8.87	
Langford, Mike	9.37	
Rodriguez, Jesse	8.96	
May, Marianne	8.79	
Avis, Steve	8.77	
Caproni, David	9.10	
Cales, Jonathon	9.03	
Adams, Pat	8.96	
Greenland, Paul	9.03	
Seiz, Ray	9.11	
Lowsky, John	9.21	
Trevino, Robert	9.10	
Hurst, Kevin	9.27	
Zalewski, John	7.87	
Radonich, Pete	9.04	
Shoda, Ron	8.45	
MAXIMUM	9.37	
MINIMUM	7.87	
RANGE(MAX-MIN)	1.500	
MEAN	8.983	
STANDARD DEVIATION	0.313	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VRCBL - VG ROCKER COVER BAFFLE L

VRCBL Yi Values

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

Rater	TOTALS	
Foecking, Brian	-0.68	
Castillo, George	0.38	
Sanchez, Art	-0.14	
Hills, Barry	0.15	
Lopez, Frank	0.79	
Barrera, Tony	0.92	
Kobrinetz, Jack	0.18	
Viera, Ralph	0.92	
Lonsway, Chris	-0.36	
Langford, Mike	1.24	
Rodriguez, Jesse	-0.07	
May, Marianne	-0.62	
Avis, Steve	-0.68	
Caproni, David	0.38	
Cales, Jonathon	0.15	
Adams, Pat	-0.07	
Greenland, Paul	0.15	
Seiz, Ray	0.41	
Lowsky, John	0.73	
Trevino, Robert	0.38	
Hurst, Kevin	0.92	
Zalewski, John	-3.56	
Radonich, Pete	0.18	
Shoda, Ron	-1.70	
MAXIMUM	-3.56	
MINIMUM	-0.07	
RANGE(MAX-MIN)	-3.488	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VOPB - VG OIL PAN BAFFLE

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.67	
Castillo, George	9.67	
Sanchez, Art	9.67	
Lopez, Frank	9.70	
Barrera, Tony	9.67	
Hills, Barry	9.60	
Kobrinetz, Jack	9.67	
Viera, Ralph	9.77	
Lonsway, Chris	9.46	
Cales, Jonathon	9.66	
Langford, Mike	9.75	
Rodriguez, Jesse	9.70	
May, Marianne	9.55	
Caproni, David	9.50	
Avis, Steve	9.63	
Adams, Pat	9.52	
Greenland, Paul	9.57	
Seiz, Ray	9.49	
Trevino, Robert	9.74	
Lowsky, John	9.60	
Hurst, Kevin	9.69	
Zalewski, John	9.64	
Radonich, Pete	9.59	
Shoda, Ron	9.48	
MAXIMUM	9.77	
MINIMUM	9.46	
RANGE(MAX-MIN)	0.310	
MEAN	9.625	
STANDARD DEVIATION	0.089	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VOPB - VG OIL PAN BAFFLE

VOPB YI Values

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

Rater	TOTALS	
Foecking, Brian	0.51	
Castillo, George	0.51	
Sanchez, Art	0.51	
Lopez, Frank	0.85	
Barrera, Tony	0.51	
Hills, Barry	-0.28	
Kobrinetz, Jack	0.51	
Viera, Ralph	1.64	
Lonsway, Chris	-1.85	
Cales, Jonathon	0.40	
Langford, Mike	1.41	
Rodriguez, Jesse	0.85	
May, Marianne	-0.84	
Caproni, David	-1.40	
Avis, Steve	0.06	
Adams, Pat	-1.18	
Greenland, Paul	-0.62	
Seiz, Ray	-1.52	
Trevino, Robert	1.30	
Lowsky, John	-0.28	
Hurst, Kevin	0.74	
Zalewski, John	0.17	
Radonich, Pete	-0.39	
Shoda, Ron	-1.63	
MAXIMUM	-1.85	
MINIMUM	0.06	
RANGE(MAX-MIN)	-1.915	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VOP - VG OIL PAN

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.62	
Castillo, George	9.66	
Sanchez, Art	9.60	
Hills, Barry	9.43	
Lopez, Frank	9.60	
Barrera, Tony	9.70	
Kobrinetz, Jack	9.60	
Viera, Ralph	9.82	
Lonsway, Chris	9.41	
Cales, Jonathon	9.65	
Langford, Mike	9.76	
Rodriguez, Jesse	9.56	
May, Marianne	9.58	
Caproni, David	9.58	
Avis, Steve	9.51	
Adams, Pat	9.46	
Seiz, Ray	9.60	
Lowsky, John	9.58	
Trevino, Robert	9.69	
Zalewski, John	9.48	
Radonich, Pete	9.57	
Shoda, Ron	9.55	
Hurst, Kevin	9.66	
MAXIMUM	9.82	
MINIMUM	9.41	
RANGE(MAX-MIN)	0.410	
MEAN	9.594	
STANDARD DEVIATION	0.099	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VOP - VG OIL PAN

VOP Yi Values

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

Rater	TOTALS	
Foecking, Brian	0.26	
Castillo, George	0.66	
Sanchez, Art	0.06	
Hills, Barry	-1.66	
Lopez, Frank	0.06	
Barrera, Tony	1.07	
Kobrinetz, Jack	0.06	
Viera, Ralph	2.28	
Lonsway, Chris	-1.87	
Cales, Jonathon	0.56	
Langford, Mike	1.68	
Rodriguez, Jesse	-0.35	
May, Marianne	-0.15	
Caproni, David	-0.15	
Avis, Steve	-0.85	
Adams, Pat	-1.36	
Seiz, Ray	0.06	
Lowsky, John	-0.15	
Trevino, Robert	0.97	
Zalewski, John	-1.16	
Radonich, Pete	-0.25	
Shoda, Ron	-0.45	
Hurst, Kevin	0.66	
MAXIMUM	2.28	
MINIMUM	0.06	
RANGE(MAX-MIN)	2.227	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVDR - VG VALVE DECK AREA R

Rated Values

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

Rater	TOTALS	
Foecking, Brian	9.41	
Castillo, George	9.54	
Sanchez, Art	9.47	
Lopez, Frank	9.46	
Barrera, Tony	9.52	
Hills, Barry	9.66	
Kobrinetz, Jack	9.51	
Lonsway, Chris	9.24	
Viera, Ralph	9.50	
Cales, Jonathon	9.35	
Langford, Mike	9.64	
Rodriguez, Jesse	9.38	
Caproni, David	9.30	
May, Marianne	9.47	
Avis, Steve	9.57	
Adams, Pat	9.38	
Seiz, Ray	9.48	
Lowsky, John	9.67	
Trevino, Robert	9.48	
Zalewski, John	9.42	
Radonich, Pete	9.38	
Shoda, Ron	9.33	
Hurst, Kevin	9.75	
MAXIMUM	9.75	
MINIMUM	9.24	
RANGE(MAX-MIN)	0.510	
MEAN	9.474	
STANDARD DEVIATION	0.126	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VVDR - VG VALVE DECK AREA R

VVDR Yi Values

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

Rater	TOTALS	
Foecking, Brian	-0.51	
Castillo, George	0.52	
Sanchez, Art	-0.03	
Lopez, Frank	-0.11	
Barrera, Tony	0.36	
Hills, Barry	1.47	
Kobrinetz, Jack	0.28	
Lonsway, Chris	-1.86	
Viera, Ralph	0.20	
Cales, Jonathon	-0.99	
Langford, Mike	1.31	
Rodriguez, Jesse	-0.75	
Caproni, David	-1.38	
May, Marianne	-0.03	
Avis, Steve	0.76	
Adams, Pat	-0.75	
Seiz, Ray	0.04	
Lowsky, John	1.55	
Trevino, Robert	0.04	
Zalewski, John	-0.43	
Radonich, Pete	-0.75	
Shoda, Ron	-1.15	
Hurst, Kevin	2.19	
MAXIMUM	2.19	
MINIMUM	-0.03	
RANGE(MAX-MIN)	2.222	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= VALCAL - CALIBRATION VALVES

Rated Values

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

Rater	P1	P2
Kobrinetz, Jack	9.18	8.90
Foecking, Brian	9.30	9.00
Sanchez, Art	8.40	7.80
Castillo, George	9.20	9.00
Barrera, Tony	9.10	9.20
Lopez, Frank	9.40	9.10
Lonsway, Chris	8.80	8.60
Rodriguez, Jesse	9.00	8.40
Adams, Pat	7.90	9.20
Zalewski, John	9.20	8.80
Lowsky, John	8.90	9.50
Langford, Mike	9.00	8.50
Viera, Ralph	9.50	8.80
Seiz, Ray	9.30	8.90
Avis, Steve	9.15	9.40
Sherrod, Jeff	9.00	8.60
Radonich, Pete	9.30	9.10
Shoda, Ron	9.00	9.60
MAXIMUM	9.50	9.60
MINIMUM	7.90	7.80
RANGE(MAX-MIN)	1.600	1.800
MEAN	9.035	8.911
STANDARD DEVIATION	0.378	0.434

Part ID= VALCAL - CALIBRATION VALVES

VALCAL YI Values

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

Rater	P1	P2
Kobrinetz, Jack	0.38	-0.03
Foecking, Brian	0.70	0.20
Sanchez, Art	-1.68	-2.56
Castillo, George	0.44	0.20
Barrera, Tony	0.17	0.67
Lopez, Frank	0.97	0.44
Lonsway, Chris	-0.62	-0.72
Rodriguez, Jesse	-0.09	-1.18
Adams, Pat	-3.01	0.67
Zalewski, John	0.44	-0.26
Lowsky, John	-0.36	1.36
Langford, Mike	-0.09	-0.95
Viera, Ralph	1.23	-0.26
Seiz, Ray	0.70	-0.03
Avis, Steve	0.30	1.13
Sherrod, Jeff	-0.09	-0.72
Radonich, Pete	0.70	0.44
Shoda, Ron	-0.09	1.59
MAXIMUM	-3.01	-2.56
MINIMUM	-0.09	-0.03
RANGE(MAX-MIN)	-2.914	-2.536
MEAN	0.000	0.000
STANDARD DEVIATION	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= F1-8 - VALVES

Rated Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	9.50	9.30	8.70	8.00	8.50	9.40	9.10	8.60
Lopez, Frank	9.60	9.70	9.30	8.80	9.10	9.60	8.30	9.20
Sanchez, Art	9.70	9.30	9.00	7.40	8.80	9.50	9.00	9.00
Barrera, Tony	9.40	9.00	9.00	8.30	8.60	9.00	8.50	9.10
Kobrinetz, Jack	9.64	8.93	8.65	8.02	8.39	8.93	8.56	8.80
Castillo, George	9.20	9.20	9.00	8.00	8.90	9.20	8.30	8.90
Zalewski, John	9.40	9.50	8.80	8.40	8.50	9.50	8.60	8.80
Viera, Ralph	9.40	9.00	9.10	8.50	9.00	9.00	8.80	9.00
Lowsky, John	9.75	9.10	9.50	8.80	9.40	9.25	8.90	9.60
Langford, Mike	9.50	9.70	9.00	8.50	8.70	9.70	9.00	9.00
Avis, Steve	9.40	8.70	9.20	8.40	9.00	8.80	8.50	9.20
Rodriguez, Jesse	9.10	9.00	8.00	7.70	8.10	9.10	8.30	8.40
Seiz, Ray	9.50	9.10	8.70	8.50	8.90	9.30	9.20	9.20
Adams, Pat	9.30	8.30	9.40	9.00	9.10	9.10	8.90	9.20
Radonich, Pete	9.30	9.20	9.00	8.30	8.60	9.40	8.50	8.90
Shoda, Ron	9.50	9.40	9.20	8.50	8.80	9.10	9.10	8.90
MAXIMUM	9.75	9.70	9.50	9.00	9.40	9.70	9.20	9.60
MINIMUM	9.10	8.30	8.00	7.40	8.10	8.80	8.30	8.40
RANGE(MAX-MIN)	0.650	1.400	1.500	1.600	1.300	0.900	0.900	1.200
MEAN	9.449	9.152	8.972	8.320	8.774	9.243	8.723	8.988
STANDARD DEVIATION	0.175	0.355	0.358	0.416	0.322	0.258	0.312	0.278

Part ID= F1-8 - VALVES

F1-8 YI Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	0.29	0.42	-0.76	-0.77	-0.85	0.61	1.21	-1.39
Lopez, Frank	0.86	1.55	0.92	1.15	1.01	1.39	-1.35	0.77
Sanchez, Art	1.43	0.42	0.08	-2.21	0.08	1.00	0.89	0.05
Barrera, Tony	-0.28	-0.43	0.08	-0.05	-0.54	-0.94	-0.71	0.41
Kobrinetz, Jack	1.09	-0.63	-0.90	-0.72	-1.19	-1.21	-0.52	-0.68
Castillo, George	-1.42	0.14	0.08	-0.77	0.39	-0.16	-1.35	-0.32
Zalewski, John	-0.28	0.98	-0.48	0.19	-0.85	1.00	-0.39	-0.68
Viera, Ralph	-0.28	-0.43	0.36	0.43	0.70	-0.94	0.25	0.05
Lowsky, John	1.71	-0.15	1.48	1.15	1.94	0.03	0.57	2.20
Langford, Mike	0.29	1.55	0.08	0.43	-0.23	1.78	0.89	0.05
Avis, Steve	-0.28	-1.27	0.64	0.19	0.70	-1.72	-0.71	0.77
Rodriguez, Jesse	-1.99	-0.43	-2.72	-1.49	-2.09	-0.55	-1.35	-2.11
Seiz, Ray	0.29	-0.15	-0.76	0.43	0.39	0.22	1.53	0.77
Adams, Pat	-0.85	-2.40	1.20	1.64	1.01	-0.55	0.57	0.77
Radonich, Pete	-0.85	0.14	0.08	-0.05	-0.54	0.61	-0.71	-0.32
Shoda, Ron	0.29	0.70	0.64	0.43	0.08	-0.55	1.21	-0.32
MAXIMUM	-1.99	-2.40	-2.72	-2.21	-2.09	1.78	1.53	2.20
MINIMUM	-0.28	0.14	0.08	-0.05	0.08	0.03	0.25	0.05
RANGE(MAX-MIN)	-1.711	-2.538	-2.795	-2.165	-2.172	1.746	1.281	2.160
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= G1-8 - VALVES

Rated Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	9.50	9.00	8.50	7.60	9.30	9.20	9.60	8.30
Lopez, Frank	9.70	9.60	9.10	8.70	9.60	9.70	9.70	8.90
Sanchez, Art	9.70	9.30	8.80	7.40	9.50	9.40	9.80	7.80
Barrera, Tony	9.50	8.90	8.80	8.10	9.40	8.90	9.50	8.40
Kobrinetz, Jack	9.80	8.85	8.46	7.81	9.49	8.93	9.64	8.26
Castillo, George	9.60	9.20	8.90	8.00	9.40	9.30	9.60	8.40
Zalewski, John	9.20	9.20	8.40	8.20	9.20	9.20	9.20	8.40
Viera, Ralph	9.80	9.00	9.00	8.80	9.50	9.10	9.60	8.00
Lowsky, John	9.85	9.25	9.30	8.50	9.80	9.25	9.75	9.15
Langford, Mike	9.00	9.30	8.50	8.00	9.20	9.00	8.80	8.50
Avis, Steve	9.50	8.80	9.20	8.40	9.60	8.80	9.30	8.80
Rodriguez, Jesse	9.50	8.90	8.40	7.80	9.20	8.90	9.70	7.90
Seiz, Ray	9.40	9.10	8.90	8.70	9.50	9.10	9.60	9.00
Adams, Pat	9.60	9.00	9.20	9.20	9.60	8.70	9.70	9.00
Radonich, Pete	9.50	9.30	8.90	7.80	9.50	9.30	9.30	8.50
Shoda, Ron	9.50	9.20	9.10	8.50	9.40	9.00	9.50	8.80
MAXIMUM	9.85	9.60	9.30	9.20	9.80	9.70	9.80	9.15
MINIMUM	9.00	8.80	8.40	7.40	9.20	8.70	8.80	7.80
RANGE(MAX-MIN)	0.850	0.800	0.900	1.800	0.600	1.000	1.000	1.350
MEAN	9.541	9.119	8.841	8.219	9.449	9.111	9.518	8.507
STANDARD DEVIATION	0.220	0.213	0.306	0.492	0.167	0.252	0.256	0.407

Part ID= G1-8 - VALVES

G1-8 YI Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	-0.18	-0.56	-1.11	-1.26	-0.89	0.35	0.32	-0.51
Lopez, Frank	0.72	2.26	0.84	0.98	0.90	2.34	0.71	0.97
Sanchez, Art	0.72	0.85	-0.13	-1.66	0.30	1.15	1.10	-1.74
Barrera, Tony	-0.18	-1.03	-0.13	-0.24	-0.30	-0.84	-0.07	-0.26
Kobrinetz, Jack	1.18	-1.26	-1.24	-0.83	0.24	-0.72	0.48	-0.61
Castillo, George	0.27	0.38	0.19	-0.45	-0.30	0.75	0.32	-0.26
Zalewski, John	-1.55	0.38	-1.44	-0.04	-1.49	0.35	-1.24	-0.26
Viera, Ralph	1.18	-0.56	0.52	1.18	0.30	-0.04	0.32	-1.24
Lowsky, John	1.41	0.62	1.50	0.57	2.10	0.55	0.90	1.58
Langford, Mike	-2.46	0.85	-1.11	-0.45	-1.49	-0.44	-2.80	-0.02
Avis, Steve	-0.18	-1.50	1.17	0.37	0.90	-1.24	-0.85	0.72
Rodriguez, Jesse	-0.18	-1.03	-1.44	-0.85	-1.49	-0.84	0.71	-1.49
Seiz, Ray	-0.64	-0.09	0.19	0.98	0.30	-0.04	0.32	1.21
Adams, Pat	0.27	-0.56	1.17	1.99	0.90	-1.63	0.71	1.21
Radonich, Pete	-0.18	0.85	0.19	-0.85	0.30	0.75	-0.85	-0.02
Shoda, Ron	-0.18	0.38	0.84	0.57	-0.30	-0.44	-0.07	0.72
MAXIMUM	-2.46	2.26	1.50	1.99	2.10	2.34	-2.80	-1.74
MINIMUM	-0.18	-0.09	-0.13	-0.04	0.24	-0.04	-0.07	-0.02
RANGE(MAX-MIN)	-2.273	2.349	1.632	2.031	1.855	2.385	-2.729	-1.718
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= H1-8 - VALVES

Rated Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	9.60	9.00	8.60	7.30	9.80	9.30	9.40	8.60
Lopez, Frank	9.70	9.60	9.10	8.30	9.70	9.50	9.30	9.00
Sanchez, Art	9.80	9.30	9.00	7.20	9.70	9.30	9.20	8.80
Barrera, Tony	9.40	9.00	8.90	8.10	9.60	9.10	9.00	8.80
Kobrinetz, Jack	9.66	8.85	8.49	7.80	9.53	8.68	9.30	8.60
Castillo, George	9.60	9.40	9.00	8.00	9.60	9.20	9.00	8.50
Viera, Ralph	9.40	9.00	8.50	7.50	9.60	9.00	9.10	8.80
Zalewski, John	9.20	9.20	8.40	8.20	9.40	9.20	8.20	8.20
Lowsky, John	9.85	9.20	9.50	9.00	9.90	9.10	9.00	9.50
Langford, Mike	9.80	9.10	8.50	8.00	9.80	9.00	9.50	8.80
Avis, Steve	9.40	8.80	9.10	8.40	9.70	9.10	8.20	9.10
Rodriguez, Jesse	9.60	9.00	8.00	7.60	9.60	8.90	8.90	7.80
Seiz, Ray	9.80	9.20	9.10	9.00	9.70	8.80	9.40	9.30
Adams, Pat	9.30	8.30	9.20	8.90	9.60	8.50	9.30	8.90
Adams, Pat	9.30	8.30	9.20	8.90	9.60	8.50	9.30	8.90
Radonich, Pete	9.50	9.30	8.90	7.90	9.60	9.20	9.30	8.90
Shoda, Ron	9.20	9.20	8.80	7.80	9.50	9.10	9.40	8.90
MAXIMUM	9.85	9.60	9.50	9.00	9.90	9.50	9.50	9.50
MINIMUM	9.20	8.30	8.00	7.20	9.40	8.50	8.20	7.80
RANGE(MAX-MIN)	0.650	1.300	1.500	1.800	0.500	1.000	1.300	1.700
MEAN	9.536	9.044	8.841	8.112	9.643	9.028	9.106	8.788
STANDARD DEVIATION	0.217	0.343	0.377	0.578	0.121	0.277	0.382	0.390

Part ID= H1-8 - VALVES

H1-8 YI Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	0.29	-0.13	-0.64	-1.41	1.30	0.98	0.77	-0.48
Lopez, Frank	0.75	1.62	0.69	0.33	0.47	1.70	0.51	0.54
Sanchez, Art	1.21	0.75	0.42	-1.58	0.47	0.98	0.25	0.03
Barrera, Tony	-0.63	-0.13	0.16	-0.02	-0.36	0.26	-0.28	0.03
Kobrinetz, Jack	0.57	-0.57	-0.93	-0.54	-0.93	-1.26	0.51	-0.48
Castillo, George	0.29	1.04	0.42	-0.19	-0.36	0.62	-0.28	-0.74
Viera, Ralph	-0.63	-0.13	-0.90	-1.06	-0.36	-0.10	-0.02	0.03
Zalewski, John	-1.55	0.45	-1.17	0.15	-2.01	0.62	-2.37	-1.51
Lowsky, John	1.44	0.45	1.75	1.54	2.13	0.26	-0.28	1.82
Langford, Mike	1.21	0.16	-0.90	-0.19	1.30	-0.10	1.03	0.03
Avis, Steve	-0.63	-0.71	0.69	0.50	0.47	0.26	-2.37	0.80
Rodriguez, Jesse	0.29	-0.13	-2.23	-0.89	-0.36	-0.46	-0.54	-2.53
Seiz, Ray	1.21	0.45	0.69	1.54	0.47	-0.82	0.77	1.31
Adams, Pat	-1.09	-2.17	0.95	1.36	-0.36	-1.91	0.51	0.29
Adams, Pat	-1.09	-2.17	0.95	1.36	-0.36	-1.91	0.51	0.29
Radonich, Pete	-0.17	0.75	0.16	-0.37	-0.36	0.62	0.51	0.29
Shoda, Ron	-1.55	0.45	-0.11	-0.54	-1.18	0.26	0.77	0.29
MAXIMUM	-1.55	-2.17	-2.23	-1.58	2.13	-1.91	-2.37	-2.53
MINIMUM	-0.17	-0.13	-0.11	-0.02	-0.36	-0.10	-0.02	0.03
RANGE(MAX-MIN)	-1.380	-2.043	-2.125	-1.558	2.483	-1.804	-2.359	-2.562
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= I1-8 - VALVES

Rated Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	9.70	9.50	7.60	7.10	9.20	9.30	9.10	8.40
Lopez, Frank	9.60	9.70	8.40	8.00	9.40	9.70	9.40	8.80
Sanchez, Art	9.80	9.40	7.40	6.80	9.30	9.40	9.30	7.80
Barrera, Tony	9.40	9.10	8.10	7.70	9.20	9.10	9.00	8.50
Kobrinetz, Jack	9.66	9.17	7.99	7.60	9.10	8.93	9.21	8.24
Castillo, George	9.50	9.40	8.30	7.50	9.10	9.30	9.30	8.40
Viera, Ralph	9.50	9.20	7.80	7.20	9.20	9.00	8.90	8.50
Zalewski, John	9.20	9.40	8.20	8.00	8.80	9.20	8.50	8.50
Lowsky, John	9.85	9.30	8.60	8.10	9.50	9.20	9.60	8.75
Langford, Mike	9.70	9.10	8.60	8.00	9.30	9.00	9.50	8.50
Avis, Steve	9.50	8.90	8.50	7.80	9.20	8.70	8.70	8.60
Rodriguez, Jesse	9.50	9.10	7.90	7.40	8.80	9.00	9.00	7.90
Seiz, Ray	9.20	9.10	8.60	7.70	9.20	9.10	9.30	9.00
Adams, Pat	9.40	8.30	9.00	8.90	9.50	8.50	9.40	9.10
Radonich, Pete	9.40	9.40	7.80	7.40	9.10	9.40	9.30	8.50
Shoda, Ron	8.90	9.20	8.00	7.70	9.50	9.20	9.10	8.00
MAXIMUM	9.85	9.70	9.00	8.90	9.50	9.70	9.60	9.10
MINIMUM	8.90	8.30	7.40	6.80	8.80	8.50	8.50	7.80
RANGE(MAX-MIN)	0.950	1.400	1.600	2.100	0.700	1.200	1.100	1.300
MEAN	9.488	9.204	8.174	7.681	9.213	9.127	9.163	8.468
STANDARD DEVIATION	0.244	0.311	0.428	0.485	0.213	0.285	0.292	0.360

Part ID= I1-8 - VALVES

I1-8 YI Values

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

Rater	P1	P2	P3	P4	P5	P6	P7	P8
Foecking, Brian	0.87	0.95	-1.34	-1.20	-0.06	0.61	-0.22	-0.19
Lopez, Frank	0.46	1.59	0.53	0.66	0.88	2.01	0.81	0.92
Sanchez, Art	1.28	0.63	-1.81	-1.82	0.41	0.96	0.47	-1.86
Barrera, Tony	-0.36	-0.34	-0.17	0.04	-0.06	-0.09	-0.56	0.09
Kobrinetz, Jack	0.70	-0.11	-0.43	-0.17	-0.53	-0.69	0.16	-0.63
Castillo, George	0.05	0.63	0.29	-0.37	-0.53	0.61	0.47	-0.19
Viera, Ralph	0.05	-0.01	-0.87	-0.99	-0.06	-0.45	-0.90	0.09
Zalewski, John	-1.18	0.63	0.06	0.66	-1.94	0.26	-2.27	0.09
Lowsky, John	1.48	0.31	0.99	0.86	1.35	0.26	1.50	0.78
Langford, Mike	0.87	-0.34	0.99	0.66	0.41	-0.45	1.15	0.09
Avis, Steve	0.05	-0.98	0.76	0.25	-0.06	-1.50	-1.59	0.37
Rodriguez, Jesse	0.05	-0.34	-0.64	-0.58	-1.94	-0.45	-0.56	-1.58
Seiz, Ray	-1.18	-0.34	0.99	0.04	-0.06	-0.09	0.47	1.48
Adams, Pat	-0.36	-2.91	1.93	2.51	1.35	-2.20	0.81	1.76
Radonich, Pete	-0.36	0.63	-0.87	-0.58	-0.53	0.96	0.47	0.09
Shoda, Ron	-2.41	-0.01	-0.41	0.04	1.35	0.26	-0.22	-1.30
MAXIMUM	-2.41	-2.91	1.93	2.51	-1.94	-2.20	-2.27	-1.86
MINIMUM	0.05	-0.01	0.06	0.04	-0.06	-0.09	0.16	0.09
RANGE(MAX-MIN)	-2.455	-2.894	1.867	2.476	-1.882	-2.106	-2.432	-1.945
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= PTCAL - CALIBRATION PISTON TOPS

Rated Values

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

Rater	P1MERI	P2MERI	
Kobrinetz, Jack	7.87	7.94	
Foecking, Brian	8.47	8.53	
Sanchez, Art	7.25	7.25	
Castillo, George	8.30	7.41	
Barrera, Tony	8.53	8.39	
Lopez, Frank	8.71	8.57	
Rodriguez, Jesse	8.37	8.08	
Adams, Pat	7.90	8.04	
Zalewski, John	7.86	7.98	
Lowsky, John	8.23	8.09	
Seiz, Ray	8.46	8.06	
Radonich, Pete	8.46	8.34	
Lonsway, Chris	8.25	7.62	
Shoda, Ron	7.95	7.32	
MAXIMUM	8.71	8.57	
MINIMUM	7.25	7.25	
RANGE(MAX-MIN)	1.460	1.320	
MEAN	8.186	7.973	
STANDARD DEVIATION	0.382	0.430	

Part ID= PTCAL - CALIBRATION PISTON TOPS

PTCAL YI Values

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

Rater	P1MERI	P2MERI	
Kobrinetz, Jack	-0.83	-0.08	
Foecking, Brian	0.74	1.30	
Sanchez, Art	-2.45	-1.68	
Castillo, George	0.30	-1.31	
Barrera, Tony	0.90	0.97	
Lopez, Frank	1.37	1.39	
Rodriguez, Jesse	0.48	0.25	
Adams, Pat	-0.75	0.16	
Zalewski, John	-0.85	0.02	
Lowsky, John	0.11	0.27	
Seiz, Ray	0.72	0.20	
Radonich, Pete	0.72	0.85	
Lonsway, Chris	0.17	-0.82	
Shoda, Ron	-0.62	-1.52	
MAXIMUM	-2.45	-1.68	
MINIMUM	0.11	0.02	
RANGE(MAX-MIN)	-2.566	-1.698	
MEAN	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= PTOPS - PISTON TOPS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Barrera, Tony	8.62	8.59	8.66	8.71	8.49	8.17	8.39	8.30
Kobrinetz, Jack	7.79	7.72	7.77	7.71	7.51	7.45	7.53	7.60
Lopez, Frank	8.54	8.52	8.31	8.51	8.14	7.78	8.61	8.34
Foecking, Brian	8.25	8.43	8.55	8.36	8.06	7.75	8.23	7.90
Castillo, George	7.78	7.71	7.93	7.62	7.56	7.45	7.56	7.38
Rodríguez, Jesse	8.47	8.33	8.36	8.42	8.06	7.98	7.88	7.89
Lowsky, John	7.47	7.89	7.62	7.71	7.86	7.67	7.82	7.78
Radonich, Pete	8.80	8.78	8.77	8.71	8.53	8.20	8.40	8.53
Adams, Pat	7.70	7.80	7.60	7.70	7.48	7.10	7.60	7.73
Seiz, Ray	8.67	8.81	8.63	8.65	8.62	8.52	8.69	8.51
MAXIMUM	8.80	8.81	8.77	8.71	8.62	8.52	8.69	8.53
MINIMUM	7.47	7.71	7.60	7.62	7.48	7.10	7.53	7.38
RANGE(MAX-MIN)	1.330	1.100	1.170	1.090	1.140	1.420	1.160	1.150
MEAN	8.209	8.258	8.220	8.210	8.031	7.807	8.071	7.996
STANDARD DEVIATION	0.480	0.438	0.451	0.466	0.428	0.422	0.445	0.399

Part ID= PTOPS - PISTON TOPS

PTOPS YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Barrera, Tony	0.86	0.76	0.98	1.07	1.07	0.86	0.72	0.76
Kobrinetz, Jack	-0.87	-1.23	-1.00	-1.07	-1.22	-0.85	-1.22	-0.99
Lopez, Frank	0.69	0.60	0.20	0.64	0.25	-0.06	1.21	0.86
Foecking, Brian	0.09	0.39	0.73	0.32	0.07	-0.14	0.36	-0.24
Castillo, George	-0.89	-1.25	-0.64	-1.26	-1.10	-0.85	-1.15	-1.54
Rodríguez, Jesse	0.54	0.16	0.31	0.45	0.07	0.41	-0.43	-0.27
Lowsky, John	-1.54	-0.84	-1.33	-1.07	-0.40	-0.32	-0.56	-0.54
Radonich, Pete	1.23	1.19	1.22	1.07	1.17	0.93	0.74	1.34
Adams, Pat	-1.06	-1.05	-1.37	-1.09	-1.29	-1.68	-1.06	-0.67
Seiz, Ray	0.96	1.26	0.91	0.94	1.38	1.69	1.39	1.29
MAXIMUM	-1.54	1.26	-1.37	-1.26	1.38	1.69	1.39	-1.54
MINIMUM	0.09	0.16	0.20	0.32	0.07	-0.06	0.36	-0.24
RANGE(MAX-MIN)	-1.625	1.096	-1.574	-1.586	1.309	1.754	1.033	-1.303
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= CCHAMB - COMBUSTION CHAMBERS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI	
Barrera, Tony	8.78	8.97	9.37	9.31	8.81	8.49	8.91	8.89	
Kobrinetz, Jack	8.72	8.79	9.01	8.94	8.27	8.22	8.74	8.82	
Foecking, Brian	8.61	8.72	9.09	8.92	8.33	8.08	8.66	8.66	
Castillo, George	8.82	8.58	9.00	8.88	8.53	8.17	8.80	8.37	
Rodriguez, Jesse	7.81	8.33	8.48	8.53	7.73	7.53	8.15	8.27	
Lowsky, John	8.80	8.96	9.33	9.12	8.69	8.68	8.95	8.96	
Adams, Pat	8.88	8.83	9.04	8.51	7.92	8.24	8.20	8.76	
Seiz, Ray	9.14	9.14	9.18	9.09	9.05	8.87	8.89	9.06	
Zalewski, John	8.30	8.50	8.59	8.48	8.23	7.52	8.67	8.61	
MAXIMUM	9.14	9.14	9.37	9.31	9.05	8.87	8.95	9.06	
MINIMUM	7.81	8.33	8.48	8.48	7.73	7.52	8.15	8.27	
RANGE(MAX-MIN)	1.330	0.810	0.890	0.830	1.320	1.350	0.800	0.790	
MEAN	8.651	8.758	9.010	8.864	8.396	8.200	8.663	8.711	
STANDARD DEVIATION	0.387	0.255	0.301	0.298	0.422	0.460	0.295	0.263	

Part ID= CCHAMB - COMBUSTION CHAMBERS

CCHAMB Yi Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI	
Barrera, Tony	0.33	0.83	1.20	1.50	0.98	0.63	0.84	0.68	
Kobrinetz, Jack	0.18	0.13	0.00	0.25	-0.30	0.04	0.26	0.41	
Foecking, Brian	-0.11	-0.15	0.27	0.19	-0.16	-0.26	-0.01	-0.19	
Castillo, George	0.44	-0.70	-0.03	0.05	0.32	-0.07	0.46	-1.30	
Rodriguez, Jesse	-2.18	-1.68	-1.76	-1.12	-1.58	-1.46	-1.74	-1.68	
Lowsky, John	0.39	0.79	1.06	0.86	0.70	1.04	0.97	0.95	
Adams, Pat	0.59	0.28	0.10	-1.19	-1.13	0.09	-1.57	0.19	
Seiz, Ray	1.26	1.50	0.56	0.76	1.55	1.46	0.77	1.33	
Zalewski, John	-0.91	-1.01	-1.39	-1.29	-0.39	-1.48	0.02	-0.38	
MAXIMUM	-2.18	-1.68	-1.76	1.50	-1.58	-1.48	-1.74	-1.68	
MINIMUM	-0.11	0.13	0.00	0.05	-0.16	0.04	-0.01	0.19	
RANGE(MAX-MIN)	-2.069	-1.803	-1.760	1.444	-1.423	-1.522	-1.728	-1.863	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Part ID= MANRUN - INTAKE MANIFOLD RUNNERS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Barrera, Tony	9.57	9.57	9.55	9.53	9.63	9.41	9.39	9.39
Foecking, Brian	9.48	9.37	9.34	9.26	9.64	9.56	9.28	9.36
Kobrinetz, Jack	9.53	9.44	9.17	9.14	9.67	8.94	9.05	9.05
Castillo, George	9.71	9.70	9.59	9.47	9.77	9.39	9.49	9.44
Rodriguez, Jesse	9.49	9.51	9.38	9.35	9.67	9.31	9.26	9.38
Lowsky, John	9.30	9.15	8.91	8.76	9.80	8.67	8.67	8.64
Seiz, Ray	9.56	9.56	9.52	9.47	9.52	9.20	9.17	9.04
Adams, Pat	9.36	9.39	9.17	9.36	9.60	9.05	8.91	9.05
Zalewski, John	9.34	9.14	8.84	8.40	9.62	8.28	8.00	8.78
MAXIMUM	9.71	9.70	9.59	9.53	9.80	9.56	9.49	9.44
MINIMUM	9.30	9.14	8.84	8.40	9.52	8.28	8.00	8.64
RANGE(MAX-MIN)	0.410	0.560	0.750	1.130	0.280	1.280	1.490	0.800
MEAN	9.482	9.426	9.274	9.193	9.658	9.090	9.024	9.126
STANDARD DEVIATION	0.131	0.188	0.273	0.378	0.085	0.408	0.458	0.288

Part ID= MANRUN - INTAKE MANIFOLD RUNNERS

MANRUN Yi Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI	P5MERI	P6MERI	P7MERI	P8MERI
Barrera, Tony	0.67	0.77	1.01	0.89	-0.33	0.78	0.80	0.92
Foecking, Brian	-0.02	-0.30	0.24	0.18	-0.21	1.15	0.56	0.81
Kobrinetz, Jack	0.37	0.08	-0.38	-0.14	0.14	-0.37	0.06	-0.26
Castillo, George	1.74	1.46	1.16	0.73	1.32	0.74	1.02	1.09
Rodriguez, Jesse	0.06	0.45	0.39	0.41	0.14	0.54	0.51	0.88
Lowsky, John	-1.40	-1.46	-1.34	-1.15	1.67	-1.03	-0.77	-1.69
Seiz, Ray	0.60	0.71	0.90	0.73	-1.62	0.27	0.32	-0.30
Adams, Pat	-0.94	-0.19	-0.38	0.44	-0.68	-0.10	-0.25	-0.26
Zalewski, John	-1.09	-1.52	-1.59	-2.10	-0.44	-1.99	-2.23	-1.20
MAXIMUM	1.74	-1.52	-1.59	-2.10	1.67	-1.99	-2.23	-1.69
MINIMUM	-0.02	0.08	0.24	-0.14	0.14	-0.10	0.06	-0.26
RANGE(MAX-MIN)	1.762	-1.594	-1.834	-1.958	1.527	-1.888	-2.290	-1.425
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Rater Workshop - May 2009  
 Session A Raters  
 Current Rating Procedure

RATER	Oil Screen 1		Oil Screen 2		Oil Screen 3		Oil Screen 4		Oil Screen 5	
	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris
Barrera, Tony	35	1	14	0	2	0	1	3	3	1
Castillo, George	43	2	60	0	6	0	5	2	13	1
Foecking, Brian	30	3	13	0	3	0	1	3	7	2
Hills, Barry	35	1	85	0	5	0	8	2	12	1
Kobrinetz, Jack	25	3	3	0	1	0	2	4	3	3
Lopez, Frank	29	2	10	0	4	0	2	5	10	2
Sanchez, Art	35	2	15	0	5	0	7	4	10	2
MAXIMUM	43	3	85	0	6	0	8	5	13	3
MINIMUM	25	1	3	0	1	0	1	2	3	1
RANGE(MAX-MIN)	18	2	82	0	5	0	7	3	10	2
MEAN	33.1	2.0	28.6	0.0	3.7	0.0	3.7	3.3	8.3	1.7
STANDARD DEVIATION	5.79	0.82	31.12	0.00	1.80	0.00	2.93	1.11	4.07	0.76

RATER	Oil Screen 6		Oil Screen 7		Oil Screen 8		Oil Screen 9	
	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris
Barrera, Tony	2	1	94	3	75	1	83	0
Castillo, George	10	2	85	7	80	0	85	0
Foecking, Brian	6	2	91	5	55	1	84	0
Hills, Barry	10	1	98	1	91	1	92	0
Kobrinetz, Jack	4	3	78	12	53	2	64	1
Lopez, Frank	8	2	95	4	80	1	75	0
Sanchez, Art	15	2	91	4	84	1	90	0
MAXIMUM	15	3	98	12	91	2	92	1
MINIMUM	2	1	78	1	53	0	64	0
RANGE(MAX-MIN)	13	2	20	11	38	2	28	1
MEAN	7.9	1.9	90.3	5.1	74.0	1.0	81.9	0.1
STANDARD DEVIATION	4.34	0.69	6.78	3.53	14.51	0.58	9.58	0.38

Failing Results in RED > 20%

Rater Workshop - May 2009  
Oil Screen Rating Using Guideline

RATER	Oil Screen 1		Oil Screen 2		Oil Screen 3	
	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris
Adams, Pat	25	2	12	0	4	0
Avis, Steve	40	1	12	0	2	0
Barrera, Tony	35	1	12	0	2	0
Cales, Jonathon	41	5	10	0	3	1
Caproni, David	20	2	2	0	1	0
Castillo, George	30	1	10	0	4	0
Foecking, Brian	28	2	12	0	3	0
Greenland, Paul	32	2	9	0	3	0
Hills, Barry	18	1	4	0	5	0
Kobrinetz, Jack	25	2	13	0	3	0
Langford, Mike	30	3	5	1	3	0
Lonsway, Chris	41	3	15	0	4	0
Lopez, Frank	29	2	8	0	2	0
Lowsky, John	35	1	4	0	0.5	0
May, Marianne	37	4	12	0	4	0
Radonich, Pete	49	1	10	0	2	0
Rodriguez, Jesse	28	1	17	0	2	0
Sanchez, Art	35	2	15	0	4	0
Seiz, Ray	33	3	7	0	3	0
Sherrrod, Jeff	30	4	5	1	10	1
Shoda, Ron	33	1	12	0	3	1
Trevino, Robert	30	2	8	0	2	0
Viera, Ralph	45	1	8	0	2	0
Zalewski, John	25	3	18	0	5	0
MAXIMUM	49	5	18	1	10	1
MINIMUM	18	1	2	0	0.5	0
RANGE(MAX-MIN)	31	4	16	1	9.5	1
MEAN	32.3	2.1	10.0	0.1	3.2	0.1
STANDARD DEVIATION	7.46	1.14	4.19	0.28	1.85	0.34

Clogging Values > 20% are marked as RED



Rater Workshop - May 2009  
Oil Screen Rating Using Guideline

RATER	Oil Screen 4		Oil Screen 5		Oil Screen 6	
	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris
Adams, Pat	4	5	9	2	11	3
Avis, Steve	1	2	5	0	2	1
Barrera, Tony	1	2	5	1	2	1
Cales, Jonathon	1	10	8	3	2	6
Caproni, David	0	2	3	1	0	1
Castillo, George	3	3	7	2	5	2
Foecking, Brian	1	4	5	2	5	2
Greenland, Paul	1	4	5	2	3	2
Hills, Barry	3	3	5	1	4	3
Kobrinetz, Jack	2	4	6	2	4	2
Langford, Mike	0	5	3	3	2	2
Lonsway, Chris	2	5	10	2	6	3
Lopez, Frank	2	7	15	2	5	2
Lowsky, John	0	1.5	2	0.5	0.5	0.5
May, Marianne	1	8	10	2	5	2
Radonich, Pete	1	3	7	1	15	0
Rodriguez, Jesse	1	1	5	1	1	1
Sanchez, Art	2	4	8	2	7	3
Seiz, Ray	3	4	5	2	12	2
Sherrrod, Jeff	0	5	2	5	3	2
Shoda, Ron	6	1	5	1	5	5
Trevino, Robert	1	4	4	1	2	2
Viera, Ralph	1	1	3	1	5	2
Zalewski, John	2	6	15	6	8	5
MAXIMUM	6	10	15	6	15	6
MINIMUM	0	1	2	0	0	0
RANGE(MAX-MIN)	6	9	13	6	15	6
MEAN	1.6	3.9	6.3	1.9	4.8	2.3
STANDARD DEVIATION	1.41	2.26	3.50	1.34	3.70	1.42

Clogging Values > 20% are marked as RED

Rater Workshop - May 2009  
Oil Screen Rating Using Guideline

RATER	Oil Screen 7		Oil Screen 8		Oil Screen 9	
	% Clogging	% Debris	% Clogging	% Debris	% Clogging	% Debris
Adams, Pat	92	5	65	3	72	1
Avis, Steve	92	1	60	0	70	0
Barrera, Tony	93	3	62	1	70	0
Cales, Jonathon	80	15	67	1	N/A	N/A
Caproni, David	98	4	50	1	80	0
Castillo, George	88	8	60	1	85	0
Foecking, Brian	92	4	50	1	80	0
Greenland, Paul	90	3	55	1	70	30
Hills, Barry	97	8	65	1	90	0
Kobrinetz, Jack	83	8	60	1	75	0
Langford, Mike	90	3	50	1	70	0
Lonsway, Chris	93	9	60	1	80	0
Lopez, Frank	90	4	75	1	85	0
Lowsky, John	90	5	40	0.5	75	0
May, Marianne	89	7	72	0	87	0
Radonich, Pete	97	1	87	1	90	0
Rodriguez, Jesse	95	1	70	1	83	0
Sanchez, Art	91	4	61	1	70	0
Seiz, Ray	93	7	67	1	88	0
Sherrod, Jeff	95	2	50	1	75	0
Shoda, Ron	89	3	59	2	46	1
Trevino, Robert	94	2	75	1	93	0
Viera, Ralph	90	5	85	0	80	0
Zalewski, John	85	15	50	1	60	1
MAXIMUM	98	15	87	3	93	30
MINIMUM	80	1	40	0	46	0
RANGE(MAX-MIN)	18	14	47	3	47	30
MEAN	91.1	5.3	62.3	1.0	77.1	1.4
STANDARD DEVIATION	4.27	3.82	11.42	0.60	10.8	6.24

Clogging Values > 20% are marked as RED

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Adams, Pat

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	I2TOT	I3TOT	UCTOT	THTOT	ATTOT	G4TOT	I4TOT	
A1-SEQUENCE III	0.25	-0.62	0.20	-1.26	0.31	-1.07	-0.30	-1.27			
A2-SEQUENCE III	-2.29	0.22	0.35	-0.33	0.82	-0.64	-0.21	-0.70			
A3-SEQUENCE III	0.58	0.53	-0.14	-0.71	-0.56	-0.73	-1.00	-1.10			
A4-SEQUENCE III	0.31	-1.02	0.41	-0.15	-0.93	0.60	-1.13	-1.43			
A5-SQUARE CUT	-0.40	-0.88	0.10	0.33	-0.83				0.02	0.29	
A6-SEQUENCE III	0.86	0.53	-0.54	0.18	0.19	-0.35	-0.05	0.02			
B1-SEQUENCE III	0.15	-0.79	-0.68	-0.61	-0.40	-1.07	-0.28	-1.80			
B2-SEQUENCE III	-1.38	2.13	0.19	0.11	-0.15	-1.11	-0.82	-0.04			
B3-SEQUENCE III	-0.79	0.76	0.27	-0.16	-0.87	-1.28	0.19	-0.18			
B4-SEQUENCE III	-0.64	0.85	-0.10	-0.37	0.66	-0.68	-0.53	-1.56			
B5-SQUARE CUT	-0.07	-1.53	0.21	0.04	-0.74				0.67	-0.65	
B6-SEQUENCE III	-0.55	0.12	-0.57	-0.53	-1.31	-0.69	-0.01	-0.05			
CAL1A-CALIBRATION PISTON	-0.18	-0.34	-0.06	-0.39	-0.65	-0.85	-0.24	-0.25			
CAL1B-CALIBRATION PISTON	0.62	-0.91	0.89	-0.69	-0.41	-0.13	-0.38	-0.11			
CAL2A-CALIBRATION PISTON	-1.48	-0.07	0.11	-0.55	-1.44	-0.73	-0.48	0.27			
CAL2B-CALIBRATION PISTON	-0.82	0.56	-0.57	-0.82	0.74	-1.43	-0.20	-0.33			
MAXIMUM	-2.29	2.13	0.89	-1.26	-1.44	-1.43	-1.13	-1.80	0.67	-0.65	
MINIMUM	-0.07	-0.07	-0.06	0.04	-0.15	-0.13	-0.01	0.02	0.02	0.29	
RANGE(MAX-MIN)	-2.220	2.200	0.950	-1.300	-1.290	-1.300	-1.120	-1.820	0.650	-0.940	
MEAN	-0.364	-0.029	0.004	-0.369	-0.348	-0.726	-0.389	-0.609	0.345	-0.180	
STANDARD DEVIATION	0.859	0.926	0.427	0.417	0.711	0.516	0.376	0.687	0.460	0.665	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Avis, Steve

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	-0.62	0.24	1.07	-0.12	-0.65	-0.23	-0.18		
A2-SEQUENCE III	0.53	0.22	0.31	-0.05	-0.40	0.32	-0.52	0.17		
A3-SEQUENCE III	0.25	1.05	0.56	-1.44	-0.44	-0.33	-0.35	-0.29		
A4-SEQUENCE III	0.57	0.66	0.82	-0.80	0.20	-0.51	0.29	0.18		
A5-SQUARE CUT	0.21	-0.40	0.41	0.59	0.08				0.02	0.29
A6-SEQUENCE III	-1.33	-0.55	0.85	-1.43	-1.39	0.03	0.35	-0.68		
B1-SEQUENCE III	0.60	0.65	0.71	0.04	-2.57	-0.13	-1.65	-0.62		
B2-SEQUENCE III	0.63	-0.26	0.08	-2.10	-1.18	-0.02	-0.28	-0.18		
B3-SEQUENCE III	0.30	-0.56	1.08	-0.12	-0.72	-0.35	-0.10	-0.55		
B4-SEQUENCE III	0.75	-0.30	0.94	-0.49	-0.72	0.05	0.24	-0.27		
B5-SQUARE CUT	-0.40	1.05	0.21	-0.72	-0.03				-0.64	0.36
B6-SEQUENCE III	-1.57	-0.88	0.66	-1.42	-0.51	0.57	0.04	-0.18		
CAL1A-CALIBRATION PISTON	-0.66	-0.65	1.06	-0.05	0.90	-0.49	-0.09	-0.78		
CAL1B-CALIBRATION PISTON	1.65	-0.10	0.78	-0.79	0.59	-0.65	-0.55	-0.11		
CAL2A-CALIBRATION PISTON	0.47	-0.47	0.24	-1.16	-0.51	0.19	0.67	-0.38		
CAL2B-CALIBRATION PISTON	0.27	-0.22	0.45	-1.19	-0.44	-0.19	0.43	-0.33		
MAXIMUM	1.65	1.05	1.08	-2.10	-2.57	-0.65	-1.65	-0.78	-0.64	0.36
MINIMUM	0.21	-0.10	0.08	0.04	-0.03	-0.02	0.04	-0.11	0.02	0.29
RANGE(MAX-MIN)	1.440	1.150	1.000	-2.140	-2.540	-0.630	-1.690	-0.670	-0.660	0.070
MEAN	0.173	-0.086	0.588	-0.629	-0.454	-0.154	-0.125	-0.300	-0.310	0.325
STANDARD DEVIATION	0.805	0.621	0.320	0.837	0.815	0.368	0.572	0.288	0.467	0.049

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Barrera, Tony

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-0.71	-0.62	-1.40	-1.15	0.31	0.10	-2.03	-0.80		
A2-SEQUENCE III	0.53	0.22	-0.82	-0.24	-0.55	-0.04	-1.53	-2.69		
A3-SEQUENCE III	-1.55	-0.53	-0.51	-1.08	-0.56	-0.26	-0.66	-0.94		
A4-SEQUENCE III	-1.14	0.42	-0.41	-1.77	-1.70	0.13	-0.78	-0.85		
A5-SQUARE CUT	-1.49	-1.26	0.48	-0.47	-0.92				0.48	-1.36
A6-SEQUENCE III	-0.43	0.31	-0.33	-0.43	-0.84	-0.16	-1.75	0.54		
B1-SEQUENCE III	-0.43	0.17	-0.41	-0.56	-0.36	-0.02	-2.82	-0.45		
B2-SEQUENCE III	0.06	-0.06	0.16	-0.59	-0.06	-0.02	-2.79	-1.72		
B3-SEQUENCE III	0.27	1.09	-0.69	-1.20	-0.27	-0.25	-2.10	-1.84		
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	-0.66	-0.65	0.73	-0.32	-1.67	0.67	-0.32	0.54		
CAL1B-CALIBRATION PISTON	-1.36	-0.95	-0.37	0.15	-0.95	-0.44	-0.55	0.64		
CAL2A-CALIBRATION PISTON	-0.44	-0.71	0.14	-1.04	-0.18	0.95	-0.43	0.71		
CAL2B-CALIBRATION PISTON	-0.64	0.56	0.04	-0.32	-1.54	0.19	-1.41	1.21		
MAXIMUM	-1.55	-1.26	-1.40	-1.77	-1.70	0.95	-2.82	-2.69	0.48	-1.36
MINIMUM	0.06	-0.06	0.04	0.15	-0.06	-0.02	-0.32	-0.45	0.48	-1.36
RANGE(MAX-MIN)	-1.610	-1.200	-1.440	-1.920	-1.640	0.970	-2.500	-2.240	0.000	0.000
MEAN	-0.615	-0.155	-0.261	-0.694	-0.715	0.071	-1.431	-0.471	0.480	-1.360
STANDARD DEVIATION	0.654	0.685	0.568	0.519	0.634	0.394	0.891	1.218	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Cales, Jonathon

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	-1.97	0.91	0.18	2.77	0.31	0.41	0.29		
A2-SEQUENCE III	0.53	0.22	1.03	0.70	0.82	0.44	0.28	0.54		
A3-SEQUENCE III	0.53	-2.63	0.01	0.21	0.46	-0.10	-0.54	0.20		
A4-SEQUENCE III	0.35	0.42	1.16	0.82	-1.36	0.19	-1.04	1.34		
A5-SQUARE CUT	-0.64	-0.24	0.41	1.49	1.00				0.02	0.29
A6-SEQUENCE III	-0.04	0.31	-0.51	-0.21	1.90	0.74	-0.50	1.77		
B1-SEQUENCE III	0.49	-1.75	0.26	-0.61	-1.58	-0.13	0.43	1.58		
B2-SEQUENCE III	0.92	-0.26	0.57	1.40	-0.43	-0.02	0.92	1.37		
B3-SEQUENCE III	0.45	1.25	0.02	0.08	-0.19	1.20	-0.05	1.65		
B4-SEQUENCE III	0.61	-0.07	0.51	0.80	-0.30	0.11	0.45	1.66		
B5-SQUARE CUT	1.16	-0.84	0.89	0.31	0.18				0.67	0.02
B6-SEQUENCE III	-0.08	0.37	0.70	-0.06	-0.97	0.10	-0.55	1.26		
CAL1A-CALIBRATION PISTON	-0.39	-1.74	0.00	0.55	-0.08	0.73	0.82	1.07		
CAL1B-CALIBRATION PISTON	1.06	-1.03	0.67	0.05	0.08	-0.19	-0.18	1.14		
CAL2A-CALIBRATION PISTON	1.01	-0.39	-0.41	1.43	-0.09	0.15	0.00	0.06		
CAL2B-CALIBRATION PISTON	0.30	-1.79	0.35	1.28	0.10	1.08	-0.84	1.04		
MAXIMUM	1.16	-2.63	1.16	1.49	2.77	1.20	-1.04	1.77	0.67	0.29
MINIMUM	-0.04	-0.07	0.00	0.05	-0.08	-0.02	0.00	0.06	0.02	0.02
RANGE(MAX-MIN)	1.200	-2.560	1.160	1.440	2.850	1.220	-1.040	1.710	0.650	0.270
MEAN	0.422	-0.634	0.411	0.526	0.144	0.329	-0.028	1.069	0.345	0.155
STANDARD DEVIATION	0.509	1.087	0.493	0.640	1.110	0.447	0.608	0.576	0.460	0.191

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Caproni, David

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	0.74	-1.27	0.62	1.32	1.47	-0.49	0.29		
A2-SEQUENCE III	-2.29	0.22	-2.04	0.37	3.11	-0.44	-0.34	-0.70		
A3-SEQUENCE III	0.29	-1.05	-0.88	-0.25	0.59	0.32	-1.11	0.36		
A4-SEQUENCE III	0.31	0.66	-1.52	0.45	-0.76	0.02	-0.87	0.76		
A5-SQUARE CUT	2.03	-0.33	-0.52	0.20	-0.83				1.56	0.29
A6-SEQUENCE III	-0.43	0.31	-1.01	1.55	1.90	0.08	-1.45	1.77		
B1-SEQUENCE III	0.45	0.65	-1.67	-0.51	-0.21	-0.18	0.33	1.58		
B2-SEQUENCE III	1.20	0.94	-1.63	2.59	0.41	-0.30	0.43	1.37		
B3-SEQUENCE III	1.06	1.75	-1.18	0.18	0.93	-0.40	-2.25	1.65		
B4-SEQUENCE III	0.19	0.62	-1.16	1.96	2.17	-0.21	-0.20	1.66		
B5-SQUARE CUT	2.50	-0.03	1.06	1.08	-1.27				0.67	-1.73
B6-SEQUENCE III	0.73	1.12	-1.42	1.58	0.69	-0.15	-0.53	1.26		
CAL1A-CALIBRATION PISTON	1.05	-0.19	-0.75	1.41	0.01	0.30	-0.32	1.07		
CAL1B-CALIBRATION PISTON	-0.46	-0.75	-0.37	1.26	0.51	0.15	-0.83	1.14		
CAL2A-CALIBRATION PISTON	0.29	0.41	-3.19	0.35	-0.47	-0.35	-0.19	0.06		
CAL2B-CALIBRATION PISTON	-0.33	-1.79	-1.77	1.53	-0.21	2.21	-1.66	1.38		
MAXIMUM	2.50	-1.79	-3.19	2.59	3.11	2.21	-2.25	1.77	1.56	-1.73
MINIMUM	0.19	-0.03	-0.37	0.18	0.01	0.02	-0.19	0.06	0.67	0.29
RANGE(MAX-MIN)	2.310	-1.760	-2.820	2.410	3.100	2.190	-2.060	1.710	0.890	-2.020
MEAN	0.443	0.205	-1.208	0.898	0.493	0.180	-0.677	0.975	1.115	-0.720
STANDARD DEVIATION	1.093	0.881	0.900	0.851	1.187	0.758	0.749	0.728	0.629	1.428

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Castillo, George

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.25	0.74	-0.31	-0.04	-0.12	-0.65	-0.27	0.29		
A2-SEQUENCE III	0.53	0.22	0.12	-0.15	-0.55	-0.44	-0.12	1.29		
A3-SEQUENCE III	0.25	-1.05	0.08	-1.08	-1.07	-0.26	0.10	-0.61		
A4-SEQUENCE III	0.75	0.42	0.41	0.39	-0.74	-0.04	0.40	0.61		
A5-SQUARE CUT	0.09	-0.33	0.35	0.77	-0.28				0.02	-1.82
A6-SEQUENCE III	0.09	0.31	0.81	0.18	0.25	0.30	0.09	1.07		
B1-SEQUENCE III	0.42	-0.31	-0.05	-0.81	0.45	-0.23	0.03	1.41		
B2-SEQUENCE III	0.06	1.73	-0.65	0.16	-0.43	-0.13	-0.44	1.09		
B3-SEQUENCE III	-0.38	0.43	0.48	-0.56	-1.02	0.06	-0.49	0.55		
B4-SEQUENCE III	0.61	0.73	-0.15	0.98	-1.13	0.08	0.24	-2.21		
B5-SQUARE CUT	1.16	-0.42	0.12	-0.54	-0.39				0.28	0.31
B6-SEQUENCE III	0.06	1.62	0.70	-0.67	0.16	-0.13	0.09	1.00		
CAL1A-CALIBRATION PISTON	-0.80	0.90	-0.16	0.74	-0.19	0.28	0.82	1.07		
CAL1B-CALIBRATION PISTON	0.17	-0.42	-0.15	1.82	0.00	-0.09	-0.10	1.14		
CAL2A-CALIBRATION PISTON	0.11	-0.15	-0.19	0.59	-0.05	-0.44	0.02	0.49		
CAL2B-CALIBRATION PISTON	0.78	-0.22	-0.81	-0.82	-0.66	-0.32	0.81	1.21		
MAXIMUM	1.16	1.73	0.81	1.82	-1.13	-0.65	0.82	-2.21	0.28	-1.82
MINIMUM	0.06	-0.15	-0.05	-0.04	0.00	-0.04	0.02	0.29	0.02	0.31
RANGE(MAX-MIN)	1.100	1.880	0.860	1.860	-1.130	-0.610	0.800	-2.500	0.260	-2.130
MEAN	0.259	0.263	0.038	0.060	-0.361	-0.144	0.084	0.600	0.150	-0.755
STANDARD DEVIATION	0.465	0.759	0.444	0.795	0.478	0.273	0.393	0.965	0.184	1.506



## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Foecking, Brian

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.01	-0.62	-0.77	-1.15	-0.41	0.01	-0.87	0.29		
A2-SEQUENCE III	0.53	0.22	-0.60	0.65	0.06	-1.39	-0.38	0.54		
A3-SEQUENCE III	0.78	0.53	-0.21	0.67	-0.18	0.25	-0.84	0.69		
A4-SEQUENCE III										
A5-SQUARE CUT										
A6-SEQUENCE III										
B1-SEQUENCE III	0.99	1.13	0.38	-0.21	0.21	-0.34	0.79	-0.11		
B2-SEQUENCE III	0.06	-0.86	0.22	-0.54	-1.08	0.79	0.16	-0.04		
B3-SEQUENCE III	1.91	-0.40	0.83	-0.19	-0.87	-0.40	0.53	0.74		
B4-SEQUENCE III	0.61	-0.65	0.45	0.18	-0.58	0.30	0.13	0.86		
B5-SQUARE CUT	-0.74	0.27	0.89	0.04	0.41				0.41	0.65
B6-SEQUENCE III	0.80	-0.51	0.87	-1.22	-0.84	0.64	0.77	-0.05		
CAL1A-CALIBRATION PISTON	-0.46	-0.96	-1.08	0.28	-0.61	-0.76	-0.17	1.07		
CAL1B-CALIBRATION PISTON	0.66	0.19	-0.10	-0.04	-1.74	-0.65	-0.29	-0.11		
CAL2A-CALIBRATION PISTON	-0.32	-0.71	0.91	-0.07	1.05	-0.65	-1.17	-0.48		
CAL2B-CALIBRATION PISTON	0.42	0.56	0.59	0.30	-0.66	-0.83	-1.53	-0.33		
MAXIMUM	1.91	1.13	-1.08	-1.22	-1.74	-1.39	-1.53	1.07	0.41	0.65
MINIMUM	0.01	0.19	-0.10	0.04	0.06	0.01	0.13	-0.04	0.41	0.65
RANGE(MAX-MIN)	1.900	0.940	-0.980	-1.260	-1.800	-1.400	-1.660	1.110	0.000	0.000
MEAN	0.404	-0.139	0.183	-0.100	-0.403	-0.253	-0.239	0.256	0.410	0.650
STANDARD DEVIATION	0.700	0.656	0.680	0.587	0.719	0.656	0.756	0.510	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Greenland, Paul

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-0.95	-0.62	-1.36	-2.15	0.31	2.27	0.00	0.29		
A2-SEQUENCE III	0.53	0.22	-0.42	-0.47	-0.71	3.14	0.24	-1.94		
A3-SEQUENCE III	-1.23	0.00	-1.36	-0.15	-0.05	1.95	-0.86	-2.24		
A4-SEQUENCE III	-0.88	-0.30	-1.19	-1.23	0.85	1.71	0.37	-0.41		
A5-SQUARE CUT	1.30	1.04	-3.95	1.81	0.08				-0.74	0.29
A6-SEQUENCE III	0.61	0.31	-0.61	-1.96	1.08	2.08	-0.35	0.02		
B1-SEQUENCE III	0.66	-2.23	-0.20	-0.71	0.30	3.56	-0.58	-0.11		
B2-SEQUENCE III	0.06	-0.26	-1.01	-0.75	-0.90	3.77	-0.55	-0.04		
B3-SEQUENCE III	2.26	0.43	-1.50	-0.29	-1.77	3.27	-0.20	-2.02		
B4-SEQUENCE III	-0.78	-2.83	-0.10	-2.88	0.25	2.18	-2.28	0.05		
B5-SQUARE CUT	-0.74	1.54	-0.64	-0.72	-0.23				-0.64	-0.74
B6-SEQUENCE III	-1.30	-0.01	-0.82	-1.42	-2.44	0.28	0.09	-1.35		
CAL1A-CALIBRATION PISTON	-0.39	-0.03	0.13	0.28	-0.19	0.17	-0.78	0.41		
CAL1B-CALIBRATION PISTON	0.66	1.90	-1.08	-0.41	1.20	1.10	-0.83	-0.11		
CAL2A-CALIBRATION PISTON	-0.12	-0.39	-0.96	-0.85	-0.98	1.12	0.78	-1.24		
CAL2B-CALIBRATION PISTON	1.21	0.56	-1.19	-0.69	-0.74	1.44	-0.77	-1.18		
MAXIMUM	2.26	-2.83	-3.95	-2.88	-2.44	3.77	-2.28	-2.24	-0.74	-0.74
MINIMUM	0.06	0.00	-0.10	-0.15	-0.05	0.17	0.00	0.02	-0.64	0.29
RANGE(MAX-MIN)	2.200	-2.830	-3.850	-2.730	-2.390	3.600	-2.280	-2.260	-0.100	-1.030
MEAN	0.056	-0.042	-1.016	-0.787	-0.246	2.003	-0.409	-0.705	-0.690	-0.225
STANDARD DEVIATION	1.031	1.193	0.919	1.065	0.987	1.140	0.739	0.924	0.071	0.728

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Hills, Barry

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-0.95	0.74	1.79	0.96	-1.56	-0.78	-0.04	0.29		
A2-SEQUENCE III	0.53	0.22	1.57	-0.01	0.06	-1.24	0.64	0.42		
A3-SEQUENCE III	0.25	1.05	3.16	-1.08	-1.20	-0.66	0.86	1.34		
A4-SEQUENCE III	0.75	0.42	1.57	-0.64	-0.03	-1.20	0.79	0.61		
A5-SQUARE CUT										
A6-SEQUENCE III	0.35	0.31	1.56	-1.12	-1.32	-1.28	1.27	0.02		
B1-SEQUENCE III	0.44	0.17	2.00	-0.06	0.49	-0.13	0.79	-0.11		
B2-SEQUENCE III	0.63	0.74	1.87	0.22	0.60	-0.02	0.65	-0.04		
B3-SEQUENCE III	-1.02	-0.56	1.36	-0.50	-1.47	-0.35	0.63	-0.18		
B4-SEQUENCE III	-0.09	0.96	1.54	-0.67	-0.03	-0.21	0.02	0.05		
B5-SQUARE CUT										
B6-SEQUENCE III	0.19	1.62	1.08	0.22	-0.31	-0.49	0.23	-0.05		
CAL1A-CALIBRATION PISTON	-0.80	1.83	1.19	-1.45	-0.12	-0.19	0.06	-0.65		
CAL1B-CALIBRATION PISTON	-2.13	-1.16	1.33	-0.97	-1.52	-0.81	1.18	-0.74		
CAL2A-CALIBRATION PISTON	0.06	-0.15	1.67	-0.07	0.71	-0.94	1.25	0.71		
CAL2B-CALIBRATION PISTON	-0.32	0.56	2.54	-0.20	-1.24	-0.57	1.50	-0.33		
MAXIMUM	-2.13	1.83	3.16	-1.45	-1.56	-1.28	1.50	1.34		
MINIMUM	0.06	-0.15	1.08	-0.01	-0.03	-0.02	0.02	0.02		
RANGE(MAX-MIN)	-2.190	1.980	2.080	-1.440	-1.530	-1.260	1.480	1.320		
MEAN	-0.151	0.482	1.731	-0.384	-0.496	-0.634	0.702	0.096		
STANDARD DEVIATION	0.812	0.793	0.550	0.655	0.851	0.427	0.495	0.550		

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Hurst, Kevin

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	0.74	1.75	0.62	0.46	-0.74	2.21	0.29		
A2-SEQUENCE III	-1.08	0.22	1.25	1.63	0.36	-0.20	1.88	0.54		
A3-SEQUENCE III	-0.35	1.05	1.18	1.78	1.10	-0.59	2.74	1.67		
A4-SEQUENCE III	0.75	0.66	1.38	-0.47	1.52	-0.92	2.21	1.93		
A5-SQUARE CUT	0.82	0.69	0.41	-0.52	1.00				0.02	0.29
A6-SEQUENCE III	1.25	0.31	1.35	0.10	0.12	0.03	2.01	0.02		
B1-SEQUENCE III	-0.53	-0.79	1.43	-0.41	1.20	-0.13	1.81	-0.11		
B2-SEQUENCE III	-3.38	-1.65	1.63	-0.97	0.13	-0.08	1.36	-0.04		
B3-SEQUENCE III	-0.67	-1.22	1.08	-0.83	0.85	-0.35	1.76	-0.18		
B4-SEQUENCE III	-3.14	0.73	1.25	-0.67	1.48	0.30	1.22	0.05		
B5-SQUARE CUT	-0.63	1.18	0.21	-1.67	2.42				-0.64	2.31
B6-SEQUENCE III	-0.82	-0.88	0.77	-1.22	1.16	0.00	1.41	-0.05		
CAL1A-CALIBRATION PISTON	0.84	-0.81	1.02	0.94	-0.10	-0.16	0.21	-2.37		
CAL1B-CALIBRATION PISTON	0.85	-1.16	-0.64	-1.34	0.47	-0.65	1.81	-1.86		
CAL2A-CALIBRATION PISTON	-0.98	3.84	0.76	-1.10	0.67	-0.52	2.01	-0.05		
CAL2B-CALIBRATION PISTON	-0.39	-0.22	0.62	1.41	-0.83	-0.37	1.63	-2.20		
MAXIMUM	-3.38	3.84	1.75	1.78	2.42	-0.92	2.74	-2.37	-0.64	2.31
MINIMUM	-0.35	0.22	0.21	0.10	-0.10	0.00	0.21	0.02	0.02	0.29
RANGE(MAX-MIN)	-3.030	3.620	1.540	1.680	2.520	-0.920	2.530	-2.390	-0.660	2.020
MEAN	-0.436	0.168	0.966	-0.170	0.751	-0.313	1.734	-0.169	-0.310	1.300
STANDARD DEVIATION	1.339	1.331	0.604	1.115	0.766	0.340	0.588	1.255	0.467	1.428

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Kobrinetz, Jack

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.25	-1.97	1.21	-1.04	-0.41	-0.07	-0.34	-1.27		
A2-SEQUENCE III	0.53	0.22	0.26	-1.22	-0.71	-1.28	-0.21	-0.70		
A3-SEQUENCE III	0.45	-1.05	0.31	0.12	-0.69	-0.82	0.56	0.04		
A4-SEQUENCE III	0.75	0.66	0.34	-1.23	0.97	-0.53	0.11	-0.26		
A5-SQUARE CUT	-1.49	1.20	0.10	0.32	0.08				-1.51	0.29
A6-SEQUENCE III	-0.81	0.31	1.24	-0.74	-0.36	-0.49	-0.46	0.02		
B1-SEQUENCE III	-0.08	-0.79	0.56	-0.86	-0.73	-0.65	0.28	-0.11		
B2-SEQUENCE III	-0.23	-1.06	-0.25	-0.32	-0.71	-0.89	0.38	-0.04		
B3-SEQUENCE III	-0.40	-0.89	0.83	-0.80	-0.64	-0.97	0.97	-0.18		
B4-SEQUENCE III	0.19	-0.76	0.77	0.06	-1.68	-0.78	0.35	-0.76		
B5-SQUARE CUT	0.60	1.02	0.21	-0.68	0.80				-0.64	0.84
B6-SEQUENCE III	0.53	-0.13	0.63	0.42	0.16	-0.87	0.65	-0.05		
CAL1A-CALIBRATION PISTON	-0.46	-0.65	0.60	-1.12	-0.14	-0.64	1.43	-0.25		
CAL1B-CALIBRATION PISTON	-0.58	0.02	0.51	-0.23	-0.44	-0.51	0.78	-0.11		
CAL2A-CALIBRATION PISTON	-0.07	-0.63	1.00	0.11	0.12	-0.35	0.65	0.49		
CAL2B-CALIBRATION PISTON	0.73	0.56	0.32	0.05	1.04	-0.57	-0.02	-0.33		
MAXIMUM	-1.49	-1.97	1.24	-1.23	-1.68	-1.28	1.43	-1.27	-1.51	0.84
MINIMUM	-0.07	0.02	0.10	0.05	0.08	-0.07	-0.02	0.02	-0.64	0.29
RANGE(MAX-MIN)	-1.420	-1.990	1.140	-1.280	-1.760	-1.210	1.450	-1.290	-0.870	0.550
MEAN	-0.006	-0.246	0.540	-0.448	-0.209	-0.673	0.366	-0.251	-1.075	0.565
STANDARD DEVIATION	0.631	0.870	0.404	0.577	0.720	0.296	0.526	0.424	0.615	0.389

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Langford, Mike

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-2.87	-1.97	-0.85	-0.15	0.89	-0.74	1.50	0.29		
A2-SEQUENCE III	-1.89	0.22	-0.42	1.91	0.06	-0.68	0.90	0.54		
A3-SEQUENCE III	-1.43	1.05	0.38	1.59	2.12	-1.27	1.28	0.53		
A4-SEQUENCE III	-2.20	-1.02	-1.49	2.18	-0.24	-0.20	-0.19	0.03		
A5-SQUARE CUT	-0.40	-2.12	0.13	0.26	0.08				0.02	0.29
A6-SEQUENCE III	-2.36	-0.98	-1.40	1.09	0.80	-1.61	-0.61	0.02		
B1-SEQUENCE III	-0.55	1.13	-1.76	1.45	-0.69	-0.13	-0.89	-0.11		
B2-SEQUENCE III	0.06	-0.86	-1.09	0.86	0.13	-0.19	1.14	-0.04		
B3-SEQUENCE III	-1.23	-0.73	-1.04	1.05	1.53	-0.51	0.58	-0.18		
B4-SEQUENCE III	0.75	-0.30	-0.99	0.18	0.79	-0.27	0.89	0.05		
B5-SQUARE CUT	-1.74	-0.52	-2.34	1.75	-0.56				0.67	0.28
B6-SEQUENCE III	-0.62	-1.51	-1.84	0.69	0.16	-1.67	0.75	-0.05		
CAL1A-CALIBRATION PISTON	0.23	-0.34	-2.80	-0.19	0.37	-0.29	-0.78	1.07		
CAL1B-CALIBRATION PISTON	-0.58	0.84	1.33	-0.60	0.69	2.37	1.41	1.14		
CAL2A-CALIBRATION PISTON	-1.09	-0.23	0.45	-0.19	-2.75	2.34	0.17	0.27		
CAL2B-CALIBRATION PISTON	-0.89	0.56	0.21	0.05	-0.59	0.95	-1.09	-0.33		
MAXIMUM	-2.87	-2.12	-2.80	2.18	-2.75	2.37	1.50	1.14	0.67	0.29
MINIMUM	0.06	0.22	0.13	0.05	0.06	-0.13	0.17	0.02	0.02	0.28
RANGE(MAX-MIN)	-2.930	-2.340	-2.930	2.130	-2.810	2.500	1.330	1.120	0.650	0.010
MEAN	-1.051	-0.424	-0.845	0.746	0.174	-0.136	0.361	0.231	0.345	0.285
STANDARD DEVIATION	0.998	1.001	1.122	0.866	1.090	1.248	0.915	0.446	0.460	0.007

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lonsway, Chris

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.01	0.74	-0.47	-0.48	-0.41	-0.15	-0.53	0.29		
A2-SEQUENCE III	0.53	0.22	-0.51	0.51	-0.71	-0.52	0.15	0.54		
A3-SEQUENCE III	-0.71	1.05	-0.31	0.49	0.20	-0.73	-0.47	1.01		
A4-SEQUENCE III	-0.57	0.66	0.41	-0.80	0.10	0.79	0.11	0.91		
A5-SQUARE CUT	-0.40	0.85	0.41	-0.73	1.00				0.79	1.05
A6-SEQUENCE III	0.73	0.31	0.96	1.09	-1.05	-0.60	0.35	0.02		
B1-SEQUENCE III										
B2-SEQUENCE III										
B3-SEQUENCE III										
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	0.77	0.90	0.27	1.14	-0.23	-0.03	-1.99	-0.25		
CAL1B-CALIBRATION PISTON	-1.50	2.06	-0.26	1.35	-0.91	-0.28	-2.25	-0.11		
CAL2A-CALIBRATION PISTON	-2.13	0.57	0.27	0.77	-0.39	0.40	-1.30	-0.48		
CAL2B-CALIBRATION PISTON	-3.17	0.56	-0.27	0.91	-0.10	-0.54	-0.14	-0.33		
MAXIMUM	-3.17	2.06	0.96	1.35	-1.05	0.79	-2.25	1.01	0.79	1.05
MINIMUM	0.01	0.22	-0.26	-0.48	0.10	-0.03	0.11	0.02	0.79	1.05
RANGE(MAX-MIN)	-3.180	1.840	1.220	1.830	-1.150	0.820	-2.360	0.990	0.000	0.000
MEAN	-0.644	0.792	0.050	0.425	-0.250	-0.184	-0.674	0.178	0.790	1.050
STANDARD DEVIATION	1.295	0.513	0.483	0.805	0.600	0.504	0.955	0.542	0.000	0.000

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lopez, Frank

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III										
A2-SEQUENCE III										
A3-SEQUENCE III										
A4-SEQUENCE III										
A5-SQUARE CUT										
A6-SEQUENCE III										
B1-SEQUENCE III	-0.56	-0.79	0.50	0.24	-0.45	-0.13	0.74	-0.11		
B2-SEQUENCE III	0.06	0.34	0.22	-0.59	-0.15	-0.08	0.54	1.37		
B3-SEQUENCE III	-0.52	1.91	1.22	-0.16	-0.19	-0.35	0.39	1.65		
B4-SEQUENCE III	0.75	1.08	1.02	0.31	-0.03	-0.21	0.13	0.05		
B5-SQUARE CUT	-0.40	-0.62	0.63	-0.54	0.14				0.67	0.02
B6-SEQUENCE III	0.12	0.12	0.98	0.56	0.89	-0.57	0.21	1.26		
CAL1A-CALIBRATION PISTON	-0.59	-0.50	0.66	-0.39	-0.10	-0.98	1.43	1.07		
CAL1B-CALIBRATION PISTON	-0.16	-0.59	-0.31	0.15	-0.09	-0.73	0.78	1.14		
CAL2A-CALIBRATION PISTON	-0.89	0.41	0.30	0.83	1.13	-1.28	-0.09	1.14		
CAL2B-CALIBRATION PISTON	0.13	0.56	0.21	0.05	1.04	-1.03	-0.84	1.38		
MAXIMUM	-0.89	1.91	1.22	0.83	1.13	-1.28	1.43	1.65	0.67	0.02
MINIMUM	0.06	0.12	0.21	0.05	-0.03	-0.08	-0.09	0.05	0.67	0.02
RANGE(MAX-MIN)	-0.950	1.790	1.010	0.780	1.160	-1.200	1.520	1.600	0.000	0.000
MEAN	-0.206	0.192	0.543	0.046	0.219	-0.596	0.366	0.994	0.670	0.020
STANDARD DEVIATION	0.481	0.861	0.460	0.469	0.575	0.435	0.634	0.607	0.000	0.000



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lowsky, John

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	0.74	-0.26	1.95	-0.12	1.68	-2.07	-3.14		
A2-SEQUENCE III	0.53	0.22	-0.42	0.74	-0.25	0.99	-3.04	-1.20		
A3-SEQUENCE III	2.42	1.05	-0.91	0.49	-0.18	2.00	-1.22	-1.27		
A4-SEQUENCE III	0.09	0.66	-0.67	1.53	1.85	2.26	-2.58	-1.29		
A5-SQUARE CUT	1.18	0.40	-0.21	-1.27	-2.66				-2.43	-2.57
A6-SEQUENCE III	0.22	0.31	-1.15	0.94	-0.30	1.58	-2.01	-1.73		
B1-SEQUENCE III										
B2-SEQUENCE III										
B3-SEQUENCE III										
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	0.16	1.21	-0.06	1.61	2.37	2.56	-2.22	-0.25		
CAL1B-CALIBRATION PISTON	0.17	0.96	-2.72	2.19	1.18	1.82	-1.15	-0.11		
CAL2A-CALIBRATION PISTON	1.24	0.96	-0.47	-0.07	0.92	1.37	-1.30	-2.22		
CAL2B-CALIBRATION PISTON	-0.61	0.56	-0.91	0.30	1.95	1.77	-0.58	-0.33		
MAXIMUM	2.42	1.21	-2.72	2.19	-2.66	2.56	-3.04	-3.14	-2.43	-2.57
MINIMUM	0.09	0.22	-0.06	-0.07	-0.12	0.99	-0.58	-0.11	-2.43	-2.57
RANGE(MAX-MIN)	2.330	0.990	-2.660	2.260	-2.540	1.570	-2.460	-3.030	0.000	0.000
MEAN	0.589	0.707	-0.778	0.841	0.476	1.781	-1.797	-1.282	-2.430	-2.570
STANDARD DEVIATION	0.838	0.335	0.766	1.046	1.494	0.465	0.786	0.993	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= May, Marianne

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.25	-0.62	-0.47	-0.37	-0.84	-0.61	-0.08	-0.02		
A2-SEQUENCE III	0.53	0.22	-1.09	-0.80	-1.47	0.08	-0.29	-0.58		
A3-SEQUENCE III	0.09	0.00	-0.51	-0.62	-0.44	-0.36	-0.11	-1.43		
A4-SEQUENCE III	-0.48	0.66	-0.33	0.18	0.64	-1.20	0.05	-1.29		
A5-SQUARE CUT	-0.40	-0.59	-0.12	-1.19	-0.83				-1.51	-0.76
A6-SEQUENCE III	0.61	0.31	0.24	-1.35	-0.02	-0.33	-0.02	-0.51		
B1-SEQUENCE III	0.00	0.65	0.05	0.39	0.21	-0.18	-0.33	0.57		
B2-SEQUENCE III	0.34	-0.26	-0.90	-0.22	-0.43	-0.02	-0.44	-1.02		
B3-SEQUENCE III	-0.90	-0.07	-0.19	1.90	1.98	-0.40	-0.44	0.00		
B4-SEQUENCE III	0.61	0.04	-0.04	-0.25	-0.72	-0.24	-0.42	-0.76		
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	0.98	-0.19	-0.49	-0.45	-0.47	-1.05	-0.02	0.27		
CAL1B-CALIBRATION PISTON	-1.85	-0.34	-0.53	-0.23	0.07	-0.73	-0.41	0.14		
CAL2A-CALIBRATION PISTON	-0.44	-0.07	-0.31	-0.13	-0.13	-1.36	-0.06	0.16		
CAL2B-CALIBRATION PISTON	0.75	0.56	0.25	-0.07	0.38	-1.35	-0.84	0.70		
MAXIMUM	-1.85	0.66	-1.09	1.90	1.98	-1.36	-0.84	-1.43	-1.51	-0.76
MINIMUM	0.00	0.00	-0.04	-0.07	-0.02	-0.02	-0.02	0.00	-1.51	-0.76
RANGE(MAX-MIN)	-1.850	0.660	-1.050	1.970	2.000	-1.340	-0.820	-1.430	0.000	0.000
MEAN	0.006	0.021	-0.317	-0.229	-0.148	-0.596	-0.262	-0.290	-1.510	-0.760
STANDARD DEVIATION	0.762	0.418	0.389	0.777	0.828	0.500	0.252	0.693	0.000	0.000

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Radonich, Pete

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.25	0.74	0.32	0.18	-1.27	-0.40	-0.30	1.07		
A2-SEQUENCE III	0.53	0.22	-0.42	-0.10	-0.55	0.36	0.06	1.16		
A3-SEQUENCE III	-0.31	-0.53	-0.36	-0.34	-0.95	0.71	-0.77	0.53		
A4-SEQUENCE III										
A5-SQUARE CUT										
A6-SEQUENCE III										
B1-SEQUENCE III	0.84	0.65	0.29	-0.66	0.02	-0.13	0.33	0.74		
B2-SEQUENCE III	0.06	-0.26	0.00	0.16	-0.80	-0.02	0.70	0.67		
B3-SEQUENCE III	0.53	0.26	-0.26	0.38	0.18	-0.35	-0.10	0.74		
B4-SEQUENCE III	-0.23	-0.07	0.05	0.67	-0.44	-0.21	1.11	0.86		
B5-SQUARE CUT	0.27	0.33	1.48	-0.90	0.69				1.97	1.18
B6-SEQUENCE III	-0.28	-0.26	0.20	0.42	0.96	0.08	0.21	0.61		
CAL1A-CALIBRATION PISTON	0.23	-0.19	-0.26	-1.58	-0.79	-0.89	-0.40	0.41		
CAL1B-CALIBRATION PISTON	0.69	-0.87	-0.10	-0.13	-1.96	-0.57	-0.78	0.52		
CAL2A-CALIBRATION PISTON	-0.21	-0.23	0.63	-0.67	-0.43	0.03	-1.12	0.06		
CAL2B-CALIBRATION PISTON	1.21	-0.22	0.32	-0.69	-1.73	0.66	-0.39	0.53		
MAXIMUM	1.21	-0.87	1.48	-1.58	-1.96	-0.89	-1.12	1.16	1.97	1.18
MINIMUM	0.06	-0.07	0.00	-0.10	0.02	-0.02	0.06	0.06	1.97	1.18
RANGE(MAX-MIN)	1.150	-0.800	1.480	-1.480	-1.980	-0.870	-1.180	1.100	0.000	0.000
MEAN	0.275	-0.033	0.145	-0.251	-0.544	-0.061	-0.121	0.658	1.970	1.180
STANDARD DEVIATION	0.473	0.456	0.508	0.634	0.860	0.476	0.645	0.294	0.000	0.000

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Rodriguez, Jesse

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	2.17	0.74	0.74	-0.70	-0.41	-0.74	0.03	-0.02		
A2-SEQUENCE III	0.13	0.22	0.12	-1.36	-0.25	-0.60	0.28	0.42		
A3-SEQUENCE III	0.33	0.53	-0.01	-0.80	-1.20	-0.82	-0.39	-1.10		
A4-SEQUENCE III	0.66	0.18	-0.52	0.55	0.22	-0.31	0.64	0.03		
A5-SQUARE CUT	-1.25	0.11	0.26	-1.37	0.08				0.02	0.29
A6-SEQUENCE III	0.99	0.31	-0.15	1.40	-1.46	-0.98	0.24	0.02		
B1-SEQUENCE III										
B2-SEQUENCE III										
B3-SEQUENCE III										
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	-0.39	0.12	0.20	0.35	0.12	-0.81	-0.02	-0.25		
CAL1B-CALIBRATION PISTON	-0.06	-0.95	0.23	-0.13	-0.34	-0.73	-0.15	-0.11		
CAL2A-CALIBRATION PISTON	-0.78	-0.15	-0.01	-0.43	-0.26	-0.77	-0.26	-0.38		
CAL2B-CALIBRATION PISTON	-1.93	0.56	-0.23	-2.05	0.44	-0.50	-0.20	-0.33		
MAXIMUM	2.17	-0.95	0.74	-2.05	-1.46	-0.98	0.64	-1.10	0.02	0.29
MINIMUM	-0.06	0.11	-0.01	-0.13	0.08	-0.31	-0.02	-0.02	0.02	0.29
RANGE(MAX-MIN)	2.230	-1.060	0.750	-1.920	-1.540	-0.670	0.660	-1.080	0.000	0.000
MEAN	-0.013	0.167	0.063	-0.454	-0.306	-0.696	0.019	-0.191	0.020	0.290
STANDARD DEVIATION	1.169	0.470	0.338	1.032	0.607	0.198	0.321	0.416	0.000	0.000

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Sanchez, Art

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.25	0.74	1.75	-0.15	-1.13	0.01	1.50	0.29		
A2-SEQUENCE III	0.53	0.22	1.79	-1.69	-0.10	0.36	1.39	0.54		
A3-SEQUENCE III	0.37	0.00	1.48	-0.89	-0.95	-0.66	0.67	0.69		
A4-SEQUENCE III	0.75	-0.78	1.46	-0.58	-0.65	-0.51	0.67	0.18		
A5-SQUARE CUT	-1.13	2.03	0.72	-1.36	1.91				1.56	1.80
A6-SEQUENCE III	-0.68	0.31	0.71	-0.66	-0.50	-1.28	1.42	0.02		
B1-SEQUENCE III										
B2-SEQUENCE III										
B3-SEQUENCE III										
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	-1.41	1.21	2.04	-2.05	1.17	-0.03	0.97	-1.57		
CAL1B-CALIBRATION PISTON	-0.16	-0.18	1.05	-1.62	-0.42	-0.33	-0.63	-1.36		
CAL2A-CALIBRATION PISTON	2.51	0.41	1.55	-0.01	1.26	0.53	0.37	0.16		
CAL2B-CALIBRATION PISTON	0.93	0.56	1.82	-0.82	-0.55	-0.28	1.44	-0.33		
MAXIMUM	2.51	2.03	2.04	-2.05	1.91	-1.28	1.50	-1.57	1.56	1.80
MINIMUM	-0.16	0.00	0.71	-0.01	-0.10	0.01	0.37	0.02	1.56	1.80
RANGE(MAX-MIN)	2.670	2.030	1.330	-2.040	2.010	-1.290	1.130	-1.590	0.000	0.000
MEAN	0.196	0.452	1.437	-0.983	0.004	-0.243	0.867	-0.153	1.560	1.800
STANDARD DEVIATION	1.134	0.771	0.464	0.677	1.051	0.548	0.697	0.800	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Seiz, Ray

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III										
A2-SEQUENCE III										
A3-SEQUENCE III										
A4-SEQUENCE III										
A5-SQUARE CUT										
A6-SEQUENCE III										
B1-SEQUENCE III	-0.01	-0.79	-0.08	3.41	1.44	-0.28	-0.28	-0.11		
B2-SEQUENCE III	-0.80	1.73	0.57	0.75	3.02	-0.30	-1.86	-1.44		
B3-SEQUENCE III	-0.93	-1.55	-0.09	-1.51	0.70	-0.25	-0.98	-0.37		
B4-SEQUENCE III	-0.23	-1.34	-0.30	-0.37	1.48	-1.89	0.13	-0.11		
B5-SQUARE CUT	-0.85	-1.53	-1.49	2.02	0.48				-1.94	-0.51
B6-SEQUENCE III	1.75	-1.26	0.13	0.42	0.43	-0.62	-0.53	-0.96		
CAL1A-CALIBRATION PISTON	-1.07	-0.96	-1.05	0.41	1.61	0.06	-0.78	-1.71		
CAL1B-CALIBRATION PISTON	1.37	1.82	-2.01	-0.97	1.66	-0.49	0.44	-1.36		
CAL2A-CALIBRATION PISTON	0.63	-0.95	-1.32	0.05	-1.74	-1.07	-0.69	-2.86		
CAL2B-CALIBRATION PISTON	0.19	-3.36	-0.27	-0.82	-0.61	-0.92	1.06	-2.03		
MAXIMUM	1.75	-3.36	-2.01	3.41	3.02	-1.89	-1.86	-2.86	-1.94	-0.51
MINIMUM	-0.01	-0.79	-0.08	0.05	0.43	0.06	0.13	-0.11	-1.94	-0.51
RANGE(MAX-MIN)	1.760	-2.570	-1.930	3.360	2.590	-1.950	-1.990	-2.750	0.000	0.000
MEAN	0.005	-0.819	-0.591	0.339	0.847	-0.640	-0.388	-1.217	-1.940	-0.510
STANDARD DEVIATION	0.989	1.544	0.825	1.472	1.328	0.585	0.855	0.929	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Sherrod, Jeff

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-1.67	0.74	-0.98	1.18	1.47	2.27	0.48	1.54		
A2-SEQUENCE III	0.53	0.02	-0.24	1.12	-0.55	1.51	-0.78	0.05		
A3-SEQUENCE III	-2.00	0.53	0.16	-0.15	2.12	2.58	1.03	0.20		
A4-SEQUENCE III	-2.06	0.66	-1.15	-0.64	0.05	1.85	-0.36	-2.02		
A5-SQUARE CUT	0.33	0.31	0.01	1.24	0.08				0.02	0.29
A6-SEQUENCE III	-0.68	0.31	-2.18	0.94	0.12	1.72	0.28	-2.61		
B1-SEQUENCE III	-3.55	0.17	-0.41	-0.41	-0.07	1.45	0.43	-2.48		
B2-SEQUENCE III	0.06	-0.26	-0.16	-0.54	-0.52	-0.02	-0.17	-2.00		
B3-SEQUENCE III	-0.26	0.43	-2.20	-1.00	0.25	1.20	0.88	-1.10		
B4-SEQUENCE III	0.19	1.19	-2.51	0.25	-0.85	2.65	-0.09	-0.76		
B5-SQUARE CUT	0.15	0.66	-0.64	-0.54	-0.65				-0.64	-1.19
B6-SEQUENCE III	-1.30	1.50	-0.82	-0.33	-0.24	0.54	-3.03	-2.66		
CAL1A-CALIBRATION PISTON	1.05	1.83	-1.38	-0.85	0.46	1.69	2.42	1.07		
CAL1B-CALIBRATION PISTON	-1.03	0.88	1.76	1.17	1.25	2.69	1.84	1.14		
CAL2A-CALIBRATION PISTON	0.83	0.33	-0.90	-0.73	1.60	1.16	2.25	1.90		
CAL2B-CALIBRATION PISTON	0.69	0.56	-0.03	1.16	1.26	0.55	0.87	1.38		
MAXIMUM	-3.55	1.83	-2.51	1.24	2.12	2.69	-3.03	-2.66	-0.64	-1.19
MINIMUM	0.06	0.02	0.01	-0.15	0.05	-0.02	-0.09	0.05	0.02	0.29
RANGE(MAX-MIN)	-3.610	1.810	-2.520	1.390	2.070	2.710	-2.940	-2.710	-0.660	-1.480
MEAN	-0.545	0.616	-0.729	0.117	0.361	1.560	0.432	-0.454	-0.310	-0.450
STANDARD DEVIATION	1.288	0.536	1.059	0.863	0.908	0.832	1.379	1.696	0.467	1.047

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Shoda, Ron

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	-0.47	0.74	-0.10	-0.15	-0.84	-0.65	0.22	0.29		
A2-SEQUENCE III	-1.08	-4.47	-1.68	-1.83	-0.71	-0.24	0.59	0.54		
A3-SEQUENCE III	-0.87	-1.05	-0.69	0.31	-0.31	0.01	-0.77	0.85		
A4-SEQUENCE III	-0.88	-3.19	-0.18	0.50	-0.80	-0.92	-0.39	-0.26		
A5-SQUARE CUT	-0.15	1.04	0.41	-1.11	1.00				0.02	0.29
A6-SEQUENCE III	-1.33	-3.99	-0.33	0.33	-0.57	-0.52	0.50	0.02		
B1-SEQUENCE III										
B2-SEQUENCE III										
B3-SEQUENCE III										
B4-SEQUENCE III										
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	2.42	1.21	-1.08	-0.65	-2.29	-0.82	0.52	-0.25		
CAL1B-CALIBRATION PISTON	0.88	-0.63	-0.15	-0.04	-1.13	-0.70	-0.89	-0.11		
CAL2A-CALIBRATION PISTON	-0.73	0.49	-0.87	3.47	0.41	-0.94	-2.03	0.71		
CAL2B-CALIBRATION PISTON	-0.32	0.56	0.45	2.15	-0.70	-0.83	0.36	-0.33		
MAXIMUM	2.42	-4.47	-1.68	3.47	-2.29	-0.94	-2.03	0.85	0.02	0.29
MINIMUM	-0.15	0.49	-0.10	-0.04	-0.31	0.01	0.22	0.02	0.02	0.29
RANGE(MAX-MIN)	2.570	-4.960	-1.580	3.510	-1.980	-0.950	-2.250	0.830	0.000	0.000
MEAN	-0.253	-0.929	-0.422	0.298	-0.594	-0.623	-0.210	0.162	0.020	0.290
STANDARD DEVIATION	1.122	2.175	0.665	1.537	0.877	0.323	0.888	0.450	0.000	0.000



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Trevino, Robert

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.97	0.74	-0.18	0.96	0.46	-0.40	0.18	-0.65		
A2-SEQUENCE III	0.53	0.22	1.43	0.93	2.04	0.48	0.10	0.05		
A3-SEQUENCE III	0.78	0.53	0.04	0.49	1.48	-0.43	0.92	0.20		
A4-SEQUENCE III	1.45	-1.26	0.60	0.99	-0.80	-0.98	0.99	0.76		
A5-SQUARE CUT	0.70	-0.65	0.48	0.78	-0.38				0.64	0.59
A6-SEQUENCE III	1.64	0.31	0.38	-0.21	0.32	0.71	0.72	-0.51		
B1-SEQUENCE III	0.55	0.65	0.47	0.95	1.81	-0.13	1.04	-0.45		
B2-SEQUENCE III	0.92	-0.06	1.44	-0.38	1.44	-0.02	0.16	-0.46		
B3-SEQUENCE III	0.89	-0.23	0.90	0.89	1.00	0.42	0.63	-0.18		
B4-SEQUENCE III	0.75	-0.19	0.48	0.43	-0.44	-0.21	-2.61	-0.27		
B5-SQUARE CUT										
B6-SEQUENCE III										
CAL1A-CALIBRATION PISTON	1.18	0.90	0.30	2.01	-0.45	-0.56	-0.47	-1.31		
CAL1B-CALIBRATION PISTON	-0.16	0.72	-0.31	0.15	1.50	-0.33	0.27	-2.61		
CAL2A-CALIBRATION PISTON	1.19	0.41	0.51	-0.25	0.63	-1.15	0.71	0.81		
CAL2B-CALIBRATION PISTON	0.48	-0.22	0.18	-1.06	0.78	-0.86	0.24	-0.67		
MAXIMUM	1.64	-1.26	1.44	2.01	2.04	-1.15	-2.61	-2.61	0.64	0.59
MINIMUM	-0.16	-0.06	0.04	0.15	0.32	-0.02	0.10	0.05	0.64	0.59
RANGE(MAX-MIN)	1.800	-1.200	1.400	1.860	1.720	-1.130	-2.710	-2.660	0.000	0.000
MEAN	0.848	0.134	0.480	0.477	0.671	-0.266	0.222	-0.407	0.640	0.590
STANDARD DEVIATION	0.449	0.607	0.512	0.772	0.926	0.566	0.954	0.880	0.000	0.000

## LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Viera, Ralph

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III	0.49	0.74	-0.52	1.07	-0.70	-0.45	1.01	1.54		
A2-SEQUENCE III	0.53	0.22	0.40	-0.29	0.21	0.04	0.90	1.16		
A3-SEQUENCE III	1.06	-1.05	-1.45	2.42	0.71	0.22	0.92	0.69		
A4-SEQUENCE III	0.75	0.42	-1.11	0.72	1.62	-0.23	0.73	0.47		
A5-SQUARE CUT	1.06	-0.88	0.10	0.24	0.36				0.94	-0.16
A6-SEQUENCE III	0.73	0.31	0.10	0.33	1.15	0.33	-0.05	0.72		
B1-SEQUENCE III	-0.84	0.65	0.68	0.24	-0.03	0.40	-0.28	0.91		
B2-SEQUENCE III	0.92	-0.66	0.60	1.13	-0.24	0.08	0.10	1.23		
B3-SEQUENCE III	0.59	-0.89	-0.05	0.31	-0.19	0.79	-0.83	0.18		
B4-SEQUENCE III	0.75	0.96	-0.24	0.92	0.79	0.21	0.02	1.34		
B5-SQUARE CUT	-0.07	-1.30	-0.98	0.40	0.73				-1.55	-0.09
B6-SEQUENCE III	0.33	0.12	0.56	0.56	0.49	-0.15	-0.94	0.08		
CAL1A-CALIBRATION PISTON	1.32	-0.19	0.76	-0.25	1.68	-0.45	-0.24	1.07		
CAL1B-CALIBRATION PISTON	0.81	-0.34	0.45	1.17	0.12	-0.17	0.10	0.89		
CAL2A-CALIBRATION PISTON	0.47	-0.55	0.45	0.95	0.75	1.37	0.28	0.71		
CAL2B-CALIBRATION PISTON	0.75	0.56	0.14	0.67	1.47	0.66	0.81	1.21		
MAXIMUM	1.32	-1.30	-1.45	2.42	1.68	1.37	1.01	1.54	-1.55	-0.16
MINIMUM	-0.07	0.12	-0.05	0.24	-0.03	0.04	0.02	0.08	0.94	-0.09
RANGE(MAX-MIN)	1.390	-1.420	-1.400	2.180	1.710	1.330	0.990	1.460	-2.490	-0.070
MEAN	0.603	-0.118	-0.007	0.662	0.558	0.189	0.181	0.871	-0.305	-0.125
STANDARD DEVIATION	0.503	0.710	0.680	0.648	0.693	0.505	0.634	0.428	1.761	0.049

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Zalewski, John

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	G4TOT	L4TOT
A1-SEQUENCE III										
A2-SEQUENCE III										
A3-SEQUENCE III										
A4-SEQUENCE III										
A5-SQUARE CUT										
A6-SEQUENCE III										
B1-SEQUENCE III	0.97	1.61	-2.06	-0.31	0.96	-1.44	0.13	-0.11		
B2-SEQUENCE III	-0.23	-0.86	-1.85	-0.38	1.34	-1.38	0.81	-0.04		
B3-SEQUENCE III	-1.17	-1.22	-0.86	2.54	0.78	-0.71	0.97	-0.18		
B4-SEQUENCE III	-1.62	-0.65	-1.42	-1.04	-0.72	-1.00	1.22	0.05		
B5-SQUARE CUT	-0.18	0.76	0.21	0.67	-1.99				0.67	-1.08
B6-SEQUENCE III	2.02	-1.14	-1.81	1.99	1.49	3.14	1.14	-0.05		
CAL1A-CALIBRATION PISTON	-1.96	-1.74	0.23	0.01	-0.61	2.57	0.14	-0.25		
CAL1B-CALIBRATION PISTON	0.45	1.00	0.12	-1.25	0.59	1.07	1.35	-0.11		
CAL2A-CALIBRATION PISTON	0.86	-1.91	-0.38	-1.16	0.16	0.91	-0.04	-0.59		
CAL2B-CALIBRATION PISTON	0.60	-1.00	-2.45	-0.32	1.41	1.10	1.38	-0.33		
MAXIMUM	2.02	-1.91	-2.45	2.54	-1.99	3.14	1.38	-0.59	0.67	-1.08
MINIMUM	-0.18	-0.65	0.12	0.01	0.16	-0.71	-0.04	-0.04	0.67	-1.08
RANGE(MAX-MIN)	2.200	-1.260	-2.570	2.530	-2.150	3.850	1.420	-0.550	0.000	0.000
MEAN	-0.026	-0.515	-1.027	0.075	0.341	0.473	0.789	-0.179	0.670	-1.080
STANDARD DEVIATION	1.258	1.208	1.022	1.297	1.135	1.700	0.564	0.192	0.000	0.000

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Adams, Pat

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	0.82		
D1-8-2-SEQ. V PISTONS	0.49		
D1-8-3-SEQ. V PISTONS	1.61		
D1-8-4-SEQ. V PISTONS	1.91		
D1-8-5-SEQ. V PISTONS	1.42		
D1-8-6-SEQ. V PISTONS	2.08		
D1-8-7-SEQ. V PISTONS	2.11		
D1-8-8-SEQ. V PISTONS	1.85		
E1-8-1-SEQ. V PISTONS	0.24		
E1-8-2-SEQ. V PISTONS	0.53		
E1-8-3-SEQ. V PISTONS	1.18		
E1-8-4-SEQ. V PISTONS	1.57		
E1-8-5-SEQ. V PISTONS	0.97		
E1-8-6-SEQ. V PISTONS	0.27		
E1-8-7-SEQ. V PISTONS	-0.22		
E1-8-8-SEQ. V PISTONS	0.58		
M1-8-1-SEQ. V PISTONS	0.56		
M1-8-2-SEQ. V PISTONS	0.70		
M1-8-3-SEQ. V PISTONS	0.58		
M1-8-4-SEQ. V PISTONS	0.98		
M1-8-5-SEQ. V PISTONS	1.06		
M1-8-6-SEQ. V PISTONS	0.21		
M1-8-7-SEQ. V PISTONS	0.41		
M1-8-8-SEQ. V PISTONS	0.68		
N1-8-1-SEQ. V PISTONS	1.02		
N1-8-2-SEQ. V PISTONS	0.94		
N1-8-3-SEQ. V PISTONS	0.45		
N1-8-4-SEQ. V PISTONS	0.69		
N1-8-5-SEQ. V PISTONS	0.39		
N1-8-6-SEQ. V PISTONS	0.41		
N1-8-7-SEQ. V PISTONS	0.40		
N1-8-8-SEQ. V PISTONS	0.86		
VPCAL-1-CAL. SEQ. V PISTONS	1.16		
VPCAL-2-CAL. SEQ. V PISTONS	0.78		
VPCAL-3-CAL. SEQ. V PISTONS	1.10		
VPCAL-4-CAL. SEQ. V PISTONS	1.20		
VRCBVL-VG ROCKER COVER Baffle L	0.72		
VRCBVR-VG ROCKER COVER Baffle R	1.54		
VVCAL1-VG ROCKER COVER Baffle L	0.64		
VVCAL2-VG ROCKER COVER Baffle R	1.13		
MAXIMUM	2.11	1.54	
MINIMUM	0.21	0.64	
RANGE(MAX-MIN)	1.900	0.900	
MEAN	0.889	1.008	
STANDARD DEVIATION	0.557	0.415	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Avis, Steve

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS			
VPCAL-2-CAL. SEQ. V PISTONS			
VPCAL-3-CAL. SEQ. V PISTONS			
VPCAL-4-CAL. SEQ. V PISTONS			
VRCBVL-VG ROCKER COVER BAFFLE L			
VRCBVR-VG ROCKER COVER BAFFLE R			
VVCAL1-VG ROCKER COVER BAFFLE L	0.00		
VVCAL2-VG ROCKER COVER BAFFLE R	0.38		
MAXIMUM		0.38	
MINIMUM		0.00	
RANGE(MAX-MIN)		0.380	
MEAN		0.190	
STANDARD DEVIATION		0.269	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Barrera, Tony

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	0.13		
D1-8-2-SEQ. V PISTONS	-0.11		
D1-8-3-SEQ. V PISTONS	0.52		
D1-8-4-SEQ. V PISTONS	0.73		
D1-8-5-SEQ. V PISTONS	0.38		
D1-8-6-SEQ. V PISTONS	0.98		
D1-8-7-SEQ. V PISTONS	0.34		
D1-8-8-SEQ. V PISTONS	0.82		
E1-8-1-SEQ. V PISTONS	0.12		
E1-8-2-SEQ. V PISTONS	0.03		
E1-8-3-SEQ. V PISTONS	0.60		
E1-8-4-SEQ. V PISTONS	0.28		
E1-8-5-SEQ. V PISTONS	0.39		
E1-8-6-SEQ. V PISTONS	0.88		
E1-8-7-SEQ. V PISTONS	0.64		
E1-8-8-SEQ. V PISTONS	1.62		
M1-8-1-SEQ. V PISTONS	-0.28		
M1-8-2-SEQ. V PISTONS	0.42		
M1-8-3-SEQ. V PISTONS	0.97		
M1-8-4-SEQ. V PISTONS	1.15		
M1-8-5-SEQ. V PISTONS	0.86		
M1-8-6-SEQ. V PISTONS	1.26		
M1-8-7-SEQ. V PISTONS	1.13		
M1-8-8-SEQ. V PISTONS	1.34		
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	-0.06		
VPCAL-2-CAL. SEQ. V PISTONS	0.26		
VPCAL-3-CAL. SEQ. V PISTONS	-0.35		
VPCAL-4-CAL. SEQ. V PISTONS	0.23		
VRCBVL-VG ROCKER COVER BAFFLE L	0.04		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.21		
VVCAL1-VG ROCKER COVER BAFFLE L	-0.65		
VVCAL2-VG ROCKER COVER BAFFLE R	0.28		
MAXIMUM	1.62	-0.65	
MINIMUM	0.03	0.04	
RANGE(MAX-MIN)	1.590	-0.690	
MEAN	0.546	-0.135	
STANDARD DEVIATION	0.508	0.397	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Cales, Jonathon

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	0.13		
D1-8-2-SEQ. V PISTONS	-0.47		
D1-8-3-SEQ. V PISTONS	0.58		
D1-8-4-SEQ. V PISTONS	0.13		
D1-8-5-SEQ. V PISTONS	-1.17		
D1-8-6-SEQ. V PISTONS	0.35		
D1-8-7-SEQ. V PISTONS	0.37		
D1-8-8-SEQ. V PISTONS	1.14		
E1-8-1-SEQ. V PISTONS	-0.26		
E1-8-2-SEQ. V PISTONS	-0.27		
E1-8-3-SEQ. V PISTONS	-0.65		
E1-8-4-SEQ. V PISTONS	-0.40		
E1-8-5-SEQ. V PISTONS	-0.06		
E1-8-6-SEQ. V PISTONS	-0.29		
E1-8-7-SEQ. V PISTONS	-0.97		
E1-8-8-SEQ. V PISTONS	-0.47		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	-0.47		
VPCAL-2-CAL. SEQ. V PISTONS	0.19		
VPCAL-3-CAL. SEQ. V PISTONS	0.44		
VPCAL-4-CAL. SEQ. V PISTONS	-0.35		
VRCBVL-VG ROCKER COVER BAFFLE L	0.52		
VRCBVR-VG ROCKER COVER BAFFLE R	0.89		
VVCAL1-VG ROCKER COVER BAFFLE L	0.53		
VVCAL2-VG ROCKER COVER BAFFLE R	0.89		
MAXIMUM	-1.17	0.89	
MINIMUM	-0.06	0.52	
RANGE(MAX-MIN)	-1.110	0.370	
MEAN	-0.125	0.708	
STANDARD DEVIATION	0.550	0.211	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Caproni, David

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-1.03		
D1-8-2-SEQ. V PISTONS	-0.57		
D1-8-3-SEQ. V PISTONS	-1.48		
D1-8-4-SEQ. V PISTONS	-0.64		
D1-8-5-SEQ. V PISTONS	-1.17		
D1-8-6-SEQ. V PISTONS	0.06		
D1-8-7-SEQ. V PISTONS	0.64		
D1-8-8-SEQ. V PISTONS	1.11		
E1-8-1-SEQ. V PISTONS	0.15		
E1-8-2-SEQ. V PISTONS	0.30		
E1-8-3-SEQ. V PISTONS	0.22		
E1-8-4-SEQ. V PISTONS	-0.10		
E1-8-5-SEQ. V PISTONS	0.61		
E1-8-6-SEQ. V PISTONS	0.24		
E1-8-7-SEQ. V PISTONS	0.67		
E1-8-8-SEQ. V PISTONS	0.41		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	0.41		
VPCAL-2-CAL. SEQ. V PISTONS	1.14		
VPCAL-3-CAL. SEQ. V PISTONS	-0.32		
VPCAL-4-CAL. SEQ. V PISTONS	0.63		
VRCBVL-VG ROCKER COVER BAFFLE L	0.72		
VRCBVR-VG ROCKER COVER BAFFLE R	0.89		
VVCAL1-VG ROCKER COVER BAFFLE L	1.18		
VVCAL2-VG ROCKER COVER BAFFLE R	1.03		
MAXIMUM	-1.48	1.18	
MINIMUM	0.06	0.72	
RANGE(MAX-MIN)	-1.540	0.460	
MEAN	0.064	0.955	
STANDARD DEVIATION	0.729	0.196	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Castillo, George

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-1.26		
D1-8-2-SEQ. V PISTONS	-1.85		
D1-8-3-SEQ. V PISTONS	-1.42		
D1-8-4-SEQ. V PISTONS	-0.78		
D1-8-5-SEQ. V PISTONS	-0.70		
D1-8-6-SEQ. V PISTONS	-1.12		
D1-8-7-SEQ. V PISTONS	0.13		
D1-8-8-SEQ. V PISTONS	-0.65		
E1-8-1-SEQ. V PISTONS	-0.26		
E1-8-2-SEQ. V PISTONS	-0.69		
E1-8-3-SEQ. V PISTONS	-0.84		
E1-8-4-SEQ. V PISTONS	-0.36		
E1-8-5-SEQ. V PISTONS	-0.37		
E1-8-6-SEQ. V PISTONS	0.30		
E1-8-7-SEQ. V PISTONS	-0.91		
E1-8-8-SEQ. V PISTONS	0.01		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	-0.82		
VPCAL-2-CAL. SEQ. V PISTONS	-0.93		
VPCAL-3-CAL. SEQ. V PISTONS	-0.75		
VPCAL-4-CAL. SEQ. V PISTONS	-0.44		
VRCBVL-VG ROCKER COVER BAFFLE L	-0.50		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.79		
VVCAL1-VG ROCKER COVER BAFFLE L	0.10		
VVCAL2-VG ROCKER COVER BAFFLE R	-3.11		
MAXIMUM	-1.85	-3.11	
MINIMUM	0.01	0.10	
RANGE(MAX-MIN)	-1.860	-3.210	
MEAN	-0.686	-1.075	
STANDARD DEVIATION	0.521	1.406	

LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Foecking, Brian

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-0.10		
D1-8-2-SEQ. V PISTONS	1.04		
D1-8-3-SEQ. V PISTONS	-0.58		
D1-8-4-SEQ. V PISTONS	-0.96		
D1-8-5-SEQ. V PISTONS	-0.83		
D1-8-6-SEQ. V PISTONS	-0.91		
D1-8-7-SEQ. V PISTONS	-1.51		
D1-8-8-SEQ. V PISTONS	-1.17		
E1-8-1-SEQ. V PISTONS	0.40		
E1-8-2-SEQ. V PISTONS	0.90		
E1-8-3-SEQ. V PISTONS	-0.45		
E1-8-4-SEQ. V PISTONS	-0.96		
E1-8-5-SEQ. V PISTONS	-0.37		
E1-8-6-SEQ. V PISTONS	-0.69		
E1-8-7-SEQ. V PISTONS	-0.82		
E1-8-8-SEQ. V PISTONS	-1.00		
M1-8-1-SEQ. V PISTONS	0.25		
M1-8-2-SEQ. V PISTONS	-0.16		
M1-8-3-SEQ. V PISTONS	-0.55		
M1-8-4-SEQ. V PISTONS	-0.12		
M1-8-5-SEQ. V PISTONS	0.38		
M1-8-6-SEQ. V PISTONS	-0.01		
M1-8-7-SEQ. V PISTONS	0.72		
M1-8-8-SEQ. V PISTONS	0.47		
N1-8-1-SEQ. V PISTONS	0.37		
N1-8-2-SEQ. V PISTONS	0.43		
N1-8-3-SEQ. V PISTONS	0.41		
N1-8-4-SEQ. V PISTONS	0.50		
N1-8-5-SEQ. V PISTONS	0.75		
N1-8-6-SEQ. V PISTONS	0.77		
N1-8-7-SEQ. V PISTONS	0.91		
N1-8-8-SEQ. V PISTONS	0.93		
VPCAL-1-CAL. SEQ. V PISTONS	0.87		
VPCAL-2-CAL. SEQ. V PISTONS	0.22		
VPCAL-3-CAL. SEQ. V PISTONS	0.84		
VPCAL-4-CAL. SEQ. V PISTONS	0.58		
VRCBVL-VG ROCKER COVER BAFFLE L	0.04		
VRCBVR-VG ROCKER COVER BAFFLE R	0.89		
VVCAL1-VG ROCKER COVER BAFFLE L	0.64		
VVCAL2-VG ROCKER COVER BAFFLE R	-0.30		
MAXIMUM	-1.51	0.89	
MINIMUM	-0.01	0.04	
RANGE(MAX-MIN)	-1.500	0.850	
MEAN	0.015	0.318	
STANDARD DEVIATION	0.729	0.545	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Greenland, Paul

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	-2.01		
VPCAL-2-CAL. SEQ. V PISTONS	-1.78		
VPCAL-3-CAL. SEQ. V PISTONS	-2.00		
VPCAL-4-CAL. SEQ. V PISTONS	-1.53		
VRCBVL-VG ROCKER COVER BAFFLE L			
VRCBVR-VG ROCKER COVER BAFFLE R			
VVCAL1-VG ROCKER COVER BAFFLE L	-0.11		
VVCAL2-VG ROCKER COVER BAFFLE R	-1.36		
MAXIMUM	-2.01	-1.36	
MINIMUM	-1.53	-0.11	
RANGE(MAX-MIN)	-0.480	-1.250	
MEAN	-1.830	-0.735	
STANDARD DEVIATION	0.226	0.884	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Hills, Barry

YI Values

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

PartID	PSV	AVERAG
D1-8-1-SEQ. V PISTONS		
D1-8-2-SEQ. V PISTONS		
D1-8-3-SEQ. V PISTONS		
D1-8-4-SEQ. V PISTONS		
D1-8-5-SEQ. V PISTONS		
D1-8-6-SEQ. V PISTONS		
D1-8-7-SEQ. V PISTONS		
D1-8-8-SEQ. V PISTONS		
E1-8-1-SEQ. V PISTONS		
E1-8-2-SEQ. V PISTONS		
E1-8-3-SEQ. V PISTONS		
E1-8-4-SEQ. V PISTONS		
E1-8-5-SEQ. V PISTONS		
E1-8-6-SEQ. V PISTONS		
E1-8-7-SEQ. V PISTONS		
E1-8-8-SEQ. V PISTONS		
M1-8-1-SEQ. V PISTONS		
M1-8-2-SEQ. V PISTONS		
M1-8-3-SEQ. V PISTONS		
M1-8-4-SEQ. V PISTONS		
M1-8-5-SEQ. V PISTONS		
M1-8-6-SEQ. V PISTONS		
M1-8-7-SEQ. V PISTONS		
M1-8-8-SEQ. V PISTONS		
N1-8-1-SEQ. V PISTONS		
N1-8-2-SEQ. V PISTONS		
N1-8-3-SEQ. V PISTONS		
N1-8-4-SEQ. V PISTONS		
N1-8-5-SEQ. V PISTONS		
N1-8-6-SEQ. V PISTONS		
N1-8-7-SEQ. V PISTONS		
N1-8-8-SEQ. V PISTONS		
VPCAL-1-CAL. SEQ. V PISTONS		
VPCAL-2-CAL. SEQ. V PISTONS		
VPCAL-3-CAL. SEQ. V PISTONS		
VPCAL-4-CAL. SEQ. V PISTONS		
VRCBVL-VG ROCKER COVER BAFFLE L	0.31	
VRCBVR-VG ROCKER COVER BAFFLE R	0.57	
VVCAL1-VG ROCKER COVER BAFFLE L	-0.11	
VVCAL2-VG ROCKER COVER BAFFLE R	0.21	
MAXIMUM	0.57	
MINIMUM	-0.11	
RANGE(MAX-MIN)	0.680	
MEAN	0.245	
STANDARD DEVIATION	0.281	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Hurst, Kevin

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS			
VPCAL-2-CAL. SEQ. V PISTONS			
VPCAL-3-CAL. SEQ. V PISTONS			
VPCAL-4-CAL. SEQ. V PISTONS			
VRCBVL-VG ROCKER COVER BAFFLE L			
VRCBVR-VG ROCKER COVER BAFFLE R			
VVCAL1-VG ROCKER COVER BAFFLE L	-1.40		
VVCAL2-VG ROCKER COVER BAFFLE R	0.04		
MAXIMUM		-1.40	
MINIMUM		0.04	
RANGE(MAX-MIN)		-1.440	
MEAN		-0.680	
STANDARD DEVIATION		1.018	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Kobrinetz, Jack

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-0.80		
D1-8-2-SEQ. V PISTONS	0.03		
D1-8-3-SEQ. V PISTONS	-0.45		
D1-8-4-SEQ. V PISTONS	0.09		
D1-8-5-SEQ. V PISTONS	0.34		
D1-8-6-SEQ. V PISTONS	-0.66		
D1-8-7-SEQ. V PISTONS	-1.81		
D1-8-8-SEQ. V PISTONS	-0.88		
E1-8-1-SEQ. V PISTONS	-0.39		
E1-8-2-SEQ. V PISTONS	0.03		
E1-8-3-SEQ. V PISTONS	0.35		
E1-8-4-SEQ. V PISTONS	-0.25		
E1-8-5-SEQ. V PISTONS	0.00		
E1-8-6-SEQ. V PISTONS	0.59		
E1-8-7-SEQ. V PISTONS	-0.08		
E1-8-8-SEQ. V PISTONS	0.90		
M1-8-1-SEQ. V PISTONS	-0.58		
M1-8-2-SEQ. V PISTONS	0.80		
M1-8-3-SEQ. V PISTONS	0.19		
M1-8-4-SEQ. V PISTONS	0.03		
M1-8-5-SEQ. V PISTONS	-0.05		
M1-8-6-SEQ. V PISTONS	0.33		
M1-8-7-SEQ. V PISTONS	0.03		
M1-8-8-SEQ. V PISTONS	-0.38		
N1-8-1-SEQ. V PISTONS	-0.40		
N1-8-2-SEQ. V PISTONS	0.47		
N1-8-3-SEQ. V PISTONS	0.21		
N1-8-4-SEQ. V PISTONS	-0.11		
N1-8-5-SEQ. V PISTONS	0.43		
N1-8-6-SEQ. V PISTONS	0.07		
N1-8-7-SEQ. V PISTONS	0.80		
N1-8-8-SEQ. V PISTONS	0.03		
VPCAL-1-CAL. SEQ. V PISTONS	-0.26		
VPCAL-2-CAL. SEQ. V PISTONS	0.06		
VPCAL-3-CAL. SEQ. V PISTONS	-0.09		
VPCAL-4-CAL. SEQ. V PISTONS	0.44		
VRCBVL-VG ROCKER COVER BAFFLE L	0.72		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.14		
VVCAL1-VG ROCKER COVER BAFFLE L	1.07		
VVCAL2-VG ROCKER COVER BAFFLE R	-0.03		
MAXIMUM	-1.81	1.07	
MINIMUM	0.00	-0.03	
RANGE(MAX-MIN)	-1.810	1.100	
MEAN	-0.027	0.405	
STANDARD DEVIATION	0.528	0.585	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Langford, Mike

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS	-2.16		
N1-8-2-SEQ. V PISTONS	-1.26		
N1-8-3-SEQ. V PISTONS	-1.87		
N1-8-4-SEQ. V PISTONS	-1.11		
N1-8-5-SEQ. V PISTONS	-1.74		
N1-8-6-SEQ. V PISTONS	-1.69		
N1-8-7-SEQ. V PISTONS	-1.76		
N1-8-8-SEQ. V PISTONS	-1.97		
VPCAL-1-CAL. SEQ. V PISTONS	-1.90		
VPCAL-2-CAL. SEQ. V PISTONS	-1.19		
VPCAL-3-CAL. SEQ. V PISTONS	-1.50		
VPCAL-4-CAL. SEQ. V PISTONS	-1.70		
VRCBVL-VG ROCKER COVER BAFFLE L			
VRCBVR-VG ROCKER COVER BAFFLE R			
VVCAL1-VG ROCKER COVER BAFFLE L	-0.43		
VVCAL2-VG ROCKER COVER BAFFLE R	-1.26		
MAXIMUM	-2.16	-1.26	
MINIMUM	-1.11	-0.43	
RANGE(MAX-MIN)	-1.050	-0.830	
MEAN	-1.654	-0.845	
STANDARD DEVIATION	0.327	0.587	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lonsway, Chris

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	0.07		
D1-8-2-SEQ. V PISTONS	0.81		
D1-8-3-SEQ. V PISTONS	-0.58		
D1-8-4-SEQ. V PISTONS	-0.82		
D1-8-5-SEQ. V PISTONS	-0.27		
D1-8-6-SEQ. V PISTONS	-0.91		
D1-8-7-SEQ. V PISTONS	-0.64		
D1-8-8-SEQ. V PISTONS	-0.11		
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS	0.56		
M1-8-2-SEQ. V PISTONS	0.08		
M1-8-3-SEQ. V PISTONS	-0.52		
M1-8-4-SEQ. V PISTONS	-0.18		
M1-8-5-SEQ. V PISTONS	0.22		
M1-8-6-SEQ. V PISTONS	0.11		
M1-8-7-SEQ. V PISTONS	-0.47		
M1-8-8-SEQ. V PISTONS	0.15		
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	0.06		
VPCAL-2-CAL. SEQ. V PISTONS	-0.76		
VPCAL-3-CAL. SEQ. V PISTONS	0.74		
VPCAL-4-CAL. SEQ. V PISTONS	-0.63		
VRCBVL-VG ROCKER COVER BAFFLE L	0.65		
VRCBVR-VG ROCKER COVER BAFFLE R	0.76		
VVCAL1-VG ROCKER COVER BAFFLE L	0.32		
VVCAL2-VG ROCKER COVER BAFFLE R	0.45		
MAXIMUM	-0.91	0.76	
MINIMUM	0.06	0.32	
RANGE(MAX-MIN)	-0.970	0.440	
MEAN	-0.155	0.545	
STANDARD DEVIATION	0.511	0.197	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lopez, Frank

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	1.69		
D1-8-2-SEQ. V PISTONS	1.55		
D1-8-3-SEQ. V PISTONS	0.32		
D1-8-4-SEQ. V PISTONS	0.73		
D1-8-5-SEQ. V PISTONS	1.50		
D1-8-6-SEQ. V PISTONS	0.01		
D1-8-7-SEQ. V PISTONS	-0.03		
D1-8-8-SEQ. V PISTONS	-0.20		
E1-8-1-SEQ. V PISTONS	0.68		
E1-8-2-SEQ. V PISTONS	0.97		
E1-8-3-SEQ. V PISTONS	1.02		
E1-8-4-SEQ. V PISTONS	-0.10		
E1-8-5-SEQ. V PISTONS	0.97		
E1-8-6-SEQ. V PISTONS	1.47		
E1-8-7-SEQ. V PISTONS	0.38		
E1-8-8-SEQ. V PISTONS	-0.03		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	0.87		
VPCAL-2-CAL. SEQ. V PISTONS	1.08		
VPCAL-3-CAL. SEQ. V PISTONS	0.80		
VPCAL-4-CAL. SEQ. V PISTONS	0.53		
VRCBVL-VG ROCKER COVER BAFFLE L	0.72		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.01		
VVCAL1-VG ROCKER COVER BAFFLE L	0.86		
VVCAL2-VG ROCKER COVER BAFFLE R	1.10		
MAXIMUM	1.69	1.10	
MINIMUM	0.01	-0.01	
RANGE(MAX-MIN)	1.680	1.110	
MEAN	0.711	0.668	
STANDARD DEVIATION	0.591	0.478	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Lowsky, John

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS	-3.22		
E1-8-2-SEQ. V PISTONS	-3.09		
E1-8-3-SEQ. V PISTONS	-2.44		
E1-8-4-SEQ. V PISTONS	-1.76		
E1-8-5-SEQ. V PISTONS	-2.95		
E1-8-6-SEQ. V PISTONS	-2.00		
E1-8-7-SEQ. V PISTONS	-0.99		
E1-8-8-SEQ. V PISTONS	-1.84		
M1-8-1-SEQ. V PISTONS	-1.64		
M1-8-2-SEQ. V PISTONS	-1.97		
M1-8-3-SEQ. V PISTONS	-1.53		
M1-8-4-SEQ. V PISTONS	-2.31		
M1-8-5-SEQ. V PISTONS	-2.25		
M1-8-6-SEQ. V PISTONS	-1.15		
M1-8-7-SEQ. V PISTONS	-1.80		
M1-8-8-SEQ. V PISTONS	-1.69		
N1-8-1-SEQ. V PISTONS	-1.26		
N1-8-2-SEQ. V PISTONS	-1.57		
N1-8-3-SEQ. V PISTONS	-0.47		
N1-8-4-SEQ. V PISTONS	-1.27		
N1-8-5-SEQ. V PISTONS	-1.47		
N1-8-6-SEQ. V PISTONS	-1.48		
N1-8-7-SEQ. V PISTONS	-0.70		
N1-8-8-SEQ. V PISTONS	-0.14		
VPCAL-1-CAL. SEQ. V PISTONS	-1.34		
VPCAL-2-CAL. SEQ. V PISTONS	-2.11		
VPCAL-3-CAL. SEQ. V PISTONS	-1.90		
VPCAL-4-CAL. SEQ. V PISTONS	-2.22		
VRCBVL-VG ROCKER COVER BAFFLE L	-2.14		
VRCBVR-VG ROCKER COVER BAFFLE R	-1.05		
VVCAL1-VG ROCKER COVER BAFFLE L	-0.76		
VVCAL2-VG ROCKER COVER BAFFLE R	-0.03		
MAXIMUM	-3.22	-2.14	
MINIMUM	-0.14	-0.03	
RANGE(MAX-MIN)	-3.080	-2.110	
MEAN	-1.734	-0.995	
STANDARD DEVIATION	0.722	0.876	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= May, Marianne

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	1.75		
D1-8-2-SEQ. V PISTONS	1.27		
D1-8-3-SEQ. V PISTONS	2.19		
D1-8-4-SEQ. V PISTONS	1.04		
D1-8-5-SEQ. V PISTONS	1.11		
D1-8-6-SEQ. V PISTONS	1.78		
D1-8-7-SEQ. V PISTONS	0.91		
D1-8-8-SEQ. V PISTONS	1.11		
E1-8-1-SEQ. V PISTONS	0.81		
E1-8-2-SEQ. V PISTONS	0.86		
E1-8-3-SEQ. V PISTONS	1.53		
E1-8-4-SEQ. V PISTONS	2.02		
E1-8-5-SEQ. V PISTONS	1.04		
E1-8-6-SEQ. V PISTONS	1.20		
E1-8-7-SEQ. V PISTONS	1.44		
E1-8-8-SEQ. V PISTONS	1.46		
M1-8-1-SEQ. V PISTONS	1.24		
M1-8-2-SEQ. V PISTONS	1.23		
M1-8-3-SEQ. V PISTONS	1.14		
M1-8-4-SEQ. V PISTONS	0.59		
M1-8-5-SEQ. V PISTONS	0.50		
M1-8-6-SEQ. V PISTONS	0.85		
M1-8-7-SEQ. V PISTONS	0.77		
M1-8-8-SEQ. V PISTONS	0.78		
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	0.87		
VPCAL-2-CAL. SEQ. V PISTONS	0.68		
VPCAL-3-CAL. SEQ. V PISTONS	0.84		
VPCAL-4-CAL. SEQ. V PISTONS	0.63		
VRCBVL-VG ROCKER COVER BAFFLE L	-0.44		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.27		
VVCAL1-VG ROCKER COVER BAFFLE L	-0.43		
VVCAL2-VG ROCKER COVER BAFFLE R	0.48		
MAXIMUM	2.19	0.48	
MINIMUM	0.50	-0.27	
RANGE(MAX-MIN)	1.690	0.750	
MEAN	1.130	-0.165	
STANDARD DEVIATION	0.430	0.437	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Radonich, Pete

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-0.10		
D1-8-2-SEQ. V PISTONS	-0.11		
D1-8-3-SEQ. V PISTONS	0.00		
D1-8-4-SEQ. V PISTONS	-0.19		
D1-8-5-SEQ. V PISTONS	0.08		
D1-8-6-SEQ. V PISTONS	0.01		
D1-8-7-SEQ. V PISTONS	-0.70		
D1-8-8-SEQ. V PISTONS	-0.43		
E1-8-1-SEQ. V PISTONS	0.24		
E1-8-2-SEQ. V PISTONS	0.49		
E1-8-3-SEQ. V PISTONS	-0.13		
E1-8-4-SEQ. V PISTONS	-0.62		
E1-8-5-SEQ. V PISTONS	0.22		
E1-8-6-SEQ. V PISTONS	-0.42		
E1-8-7-SEQ. V PISTONS	0.15		
E1-8-8-SEQ. V PISTONS	-0.55		
M1-8-1-SEQ. V PISTONS	0.79		
M1-8-2-SEQ. V PISTONS	0.42		
M1-8-3-SEQ. V PISTONS	0.52		
M1-8-4-SEQ. V PISTONS	0.38		
M1-8-5-SEQ. V PISTONS	0.06		
M1-8-6-SEQ. V PISTONS	0.40		
M1-8-7-SEQ. V PISTONS	0.19		
M1-8-8-SEQ. V PISTONS	0.12		
N1-8-1-SEQ. V PISTONS	0.45		
N1-8-2-SEQ. V PISTONS	-0.04		
N1-8-3-SEQ. V PISTONS	-0.15		
N1-8-4-SEQ. V PISTONS	-0.34		
N1-8-5-SEQ. V PISTONS	0.35		
N1-8-6-SEQ. V PISTONS	0.56		
N1-8-7-SEQ. V PISTONS	0.80		
N1-8-8-SEQ. V PISTONS	0.72		
VPCAL-1-CAL. SEQ. V PISTONS	0.09		
VPCAL-2-CAL. SEQ. V PISTONS	0.42		
VPCAL-3-CAL. SEQ. V PISTONS	-0.12		
VPCAL-4-CAL. SEQ. V PISTONS	-0.51		
VRCBVL-VG ROCKER COVER Baffle L	0.38		
VRCBVR-VG ROCKER COVER Baffle R	0.37		
VVCAL1-VG ROCKER COVER Baffle L	0.64		
VVCAL2-VG ROCKER COVER Baffle R	0.17		
MAXIMUM	0.80	0.64	
MINIMUM	0.00	0.17	
RANGE(MAX-MIN)	0.800	0.470	
MEAN	0.085	0.390	
STANDARD DEVIATION	0.398	0.193	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Rodriguez, Jesse

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-0.57		
D1-8-2-SEQ. V PISTONS	-1.44		
D1-8-3-SEQ. V PISTONS	-0.19		
D1-8-4-SEQ. V PISTONS	-1.46		
D1-8-5-SEQ. V PISTONS	-1.17		
D1-8-6-SEQ. V PISTONS	-1.00		
D1-8-7-SEQ. V PISTONS	-0.91		
D1-8-8-SEQ. V PISTONS	-1.70		
E1-8-1-SEQ. V PISTONS	-0.20		
E1-8-2-SEQ. V PISTONS	-0.30		
E1-8-3-SEQ. V PISTONS	-0.49		
E1-8-4-SEQ. V PISTONS	1.30		
E1-8-5-SEQ. V PISTONS	-0.78		
E1-8-6-SEQ. V PISTONS	-1.57		
E1-8-7-SEQ. V PISTONS	-2.08		
E1-8-8-SEQ. V PISTONS	-0.88		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS	0.70		
N1-8-2-SEQ. V PISTONS	-0.55		
N1-8-3-SEQ. V PISTONS	-0.87		
N1-8-4-SEQ. V PISTONS	-0.92		
N1-8-5-SEQ. V PISTONS	-0.40		
N1-8-6-SEQ. V PISTONS	-0.60		
N1-8-7-SEQ. V PISTONS	-0.52		
N1-8-8-SEQ. V PISTONS	0.00		
VPCAL-1-CAL. SEQ. V PISTONS	0.26		
VPCAL-2-CAL. SEQ. V PISTONS	0.55		
VPCAL-3-CAL. SEQ. V PISTONS	0.77		
VPCAL-4-CAL. SEQ. V PISTONS	0.44		
VRCBVL-VG ROCKER COVER BAFFLE L	1.40		
VRCBVR-VG ROCKER COVER BAFFLE R	1.54		
VVCAL1-VG ROCKER COVER BAFFLE L	1.72		
VVCAL2-VG ROCKER COVER BAFFLE R	1.51		
MAXIMUM	-2.08	1.72	
MINIMUM	0.00	1.40	
RANGE(MAX-MIN)	-2.080	0.320	
MEAN	-0.521	1.543	
STANDARD DEVIATION	0.808	0.133	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Sanchez, Art

YI Values

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

PartID	PSV	AVERAG
D1-8-1-SEQ. V PISTONS	1.23	
D1-8-2-SEQ. V PISTONS	0.44	
D1-8-3-SEQ. V PISTONS	0.52	
D1-8-4-SEQ. V PISTONS	1.55	
D1-8-5-SEQ. V PISTONS	1.16	
D1-8-6-SEQ. V PISTONS	0.56	
D1-8-7-SEQ. V PISTONS	0.60	
D1-8-8-SEQ. V PISTONS	-0.17	
E1-8-1-SEQ. V PISTONS	0.24	
E1-8-2-SEQ. V PISTONS	-0.02	
E1-8-3-SEQ. V PISTONS	0.63	
E1-8-4-SEQ. V PISTONS	0.28	
E1-8-5-SEQ. V PISTONS	0.63	
E1-8-6-SEQ. V PISTONS	1.07	
E1-8-7-SEQ. V PISTONS	1.38	
E1-8-8-SEQ. V PISTONS	0.01	
M1-8-1-SEQ. V PISTONS		
M1-8-2-SEQ. V PISTONS		
M1-8-3-SEQ. V PISTONS		
M1-8-4-SEQ. V PISTONS		
M1-8-5-SEQ. V PISTONS		
M1-8-6-SEQ. V PISTONS		
M1-8-7-SEQ. V PISTONS		
M1-8-8-SEQ. V PISTONS		
N1-8-1-SEQ. V PISTONS		
N1-8-2-SEQ. V PISTONS		
N1-8-3-SEQ. V PISTONS		
N1-8-4-SEQ. V PISTONS		
N1-8-5-SEQ. V PISTONS		
N1-8-6-SEQ. V PISTONS		
N1-8-7-SEQ. V PISTONS		
N1-8-8-SEQ. V PISTONS		
VPCAL-1-CAL. SEQ. V PISTONS	1.43	
VPCAL-2-CAL. SEQ. V PISTONS	1.34	
VPCAL-3-CAL. SEQ. V PISTONS	1.63	
VPCAL-4-CAL. SEQ. V PISTONS	1.32	
VRCBVL-VG ROCKER COVER BAFFLE L	-1.80	
VRCBVR-VG ROCKER COVER BAFFLE R	-1.50	
VVCAL1-VG ROCKER COVER BAFFLE L	0.75	
VVCAL2-VG ROCKER COVER BAFFLE R	-0.78	
MAXIMUM	1.63	-1.80
MINIMUM	0.01	0.75
RANGE(MAX-MIN)	1.620	-2.550
MEAN	0.792	-0.833
STANDARD DEVIATION	0.567	1.139

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Seiz, Ray

YI Values

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

PartID	PSV	AVERAG
D1-8-1-SEQ. V PISTONS		
D1-8-2-SEQ. V PISTONS		
D1-8-3-SEQ. V PISTONS		
D1-8-4-SEQ. V PISTONS		
D1-8-5-SEQ. V PISTONS		
D1-8-6-SEQ. V PISTONS		
D1-8-7-SEQ. V PISTONS		
D1-8-8-SEQ. V PISTONS		
E1-8-1-SEQ. V PISTONS		
E1-8-2-SEQ. V PISTONS		
E1-8-3-SEQ. V PISTONS		
E1-8-4-SEQ. V PISTONS		
E1-8-5-SEQ. V PISTONS		
E1-8-6-SEQ. V PISTONS		
E1-8-7-SEQ. V PISTONS		
E1-8-8-SEQ. V PISTONS		
M1-8-1-SEQ. V PISTONS	-0.73	
M1-8-2-SEQ. V PISTONS	-0.68	
M1-8-3-SEQ. V PISTONS	0.32	
M1-8-4-SEQ. V PISTONS	-0.09	
M1-8-5-SEQ. V PISTONS	0.38	
M1-8-6-SEQ. V PISTONS	1.02	
M1-8-7-SEQ. V PISTONS	1.19	
M1-8-8-SEQ. V PISTONS	0.49	
N1-8-1-SEQ. V PISTONS	-0.08	
N1-8-2-SEQ. V PISTONS	0.04	
N1-8-3-SEQ. V PISTONS	1.28	
N1-8-4-SEQ. V PISTONS	1.37	
N1-8-5-SEQ. V PISTONS	1.06	
N1-8-6-SEQ. V PISTONS	1.10	
N1-8-7-SEQ. V PISTONS	1.15	
N1-8-8-SEQ. V PISTONS	0.60	
VPCAL-1-CAL. SEQ. V PISTONS	0.23	
VPCAL-2-CAL. SEQ. V PISTONS	-0.30	
VPCAL-3-CAL. SEQ. V PISTONS	-0.48	
VPCAL-4-CAL. SEQ. V PISTONS	0.58	
VRCBVL-VG ROCKER COVER BAFFLE L	-2.27	
VRCBVR-VG ROCKER COVER BAFFLE R	-2.21	
VVCAL1-VG ROCKER COVER BAFFLE L	-2.80	
VVCAL2-VG ROCKER COVER BAFFLE R	-0.78	
MAXIMUM	1.37	-2.80
MINIMUM	0.04	-0.78
RANGE(MAX-MIN)	1.330	-2.020
MEAN	0.423	-2.015
STANDARD DEVIATION	0.674	0.865

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Sherrod, Jeff

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS			
VPCAL-2-CAL. SEQ. V PISTONS			
VPCAL-3-CAL. SEQ. V PISTONS			
VPCAL-4-CAL. SEQ. V PISTONS			
VRCBVL-VG ROCKER COVER BAFFLE L			
VRCBVR-VG ROCKER COVER BAFFLE R			
VVCAL1-VG ROCKER COVER BAFFLE L		-1.30	
VVCAL2-VG ROCKER COVER BAFFLE R			
MAXIMUM		-1.30	
MINIMUM		-1.30	
RANGE(MAX-MIN)		0.000	
MEAN		-1.300	
STANDARD DEVIATION		0.000	



# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Shoda, Ron

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-0.57		
D1-8-2-SEQ. V PISTONS	0.21		
D1-8-3-SEQ. V PISTONS	-0.52		
D1-8-4-SEQ. V PISTONS	-0.91		
D1-8-5-SEQ. V PISTONS	-1.13		
D1-8-6-SEQ. V PISTONS	-0.62		
D1-8-7-SEQ. V PISTONS	-0.10		
D1-8-8-SEQ. V PISTONS	-0.65		
E1-8-1-SEQ. V PISTONS	1.35		
E1-8-2-SEQ. V PISTONS	0.72		
E1-8-3-SEQ. V PISTONS	0.31		
E1-8-4-SEQ. V PISTONS	-0.93		
E1-8-5-SEQ. V PISTONS	-0.63		
E1-8-6-SEQ. V PISTONS	-0.26		
E1-8-7-SEQ. V PISTONS	0.41		
E1-8-8-SEQ. V PISTONS	-1.16		
M1-8-1-SEQ. V PISTONS	1.24		
M1-8-2-SEQ. V PISTONS	0.65		
M1-8-3-SEQ. V PISTONS	0.75		
M1-8-4-SEQ. V PISTONS	0.71		
M1-8-5-SEQ. V PISTONS	0.36		
M1-8-6-SEQ. V PISTONS	-1.03		
M1-8-7-SEQ. V PISTONS	-0.83		
M1-8-8-SEQ. V PISTONS	-0.06		
N1-8-1-SEQ. V PISTONS	1.06		
N1-8-2-SEQ. V PISTONS	1.38		
N1-8-3-SEQ. V PISTONS	0.81		
N1-8-4-SEQ. V PISTONS	1.05		
N1-8-5-SEQ. V PISTONS	0.12		
N1-8-6-SEQ. V PISTONS	-0.11		
N1-8-7-SEQ. V PISTONS	-0.66		
N1-8-8-SEQ. V PISTONS	-1.09		
VPCAL-1-CAL. SEQ. V PISTONS	-0.26		
VPCAL-2-CAL. SEQ. V PISTONS	-0.90		
VPCAL-3-CAL. SEQ. V PISTONS	-0.98		
VPCAL-4-CAL. SEQ. V PISTONS	-0.68		
VRCBVL-VG ROCKER COVER Baffle L	0.04		
VRCBVR-VG ROCKER COVER Baffle R	0.63		
VVCAL1-VG ROCKER COVER Baffle L	0.64		
VVCAL2-VG ROCKER COVER Baffle R	-0.13		
MAXIMUM	1.38	0.64	
MINIMUM	-0.06	0.04	
RANGE(MAX-MIN)	1.440	0.600	
MEAN	-0.082	0.295	
STANDARD DEVIATION	0.797	0.399	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Trevino, Robert

YI Values

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

PartID	PSV	AVERAG
D1-8-1-SEQ. V PISTONS		
D1-8-2-SEQ. V PISTONS		
D1-8-3-SEQ. V PISTONS		
D1-8-4-SEQ. V PISTONS		
D1-8-5-SEQ. V PISTONS		
D1-8-6-SEQ. V PISTONS		
D1-8-7-SEQ. V PISTONS		
D1-8-8-SEQ. V PISTONS		
E1-8-1-SEQ. V PISTONS		
E1-8-2-SEQ. V PISTONS		
E1-8-3-SEQ. V PISTONS		
E1-8-4-SEQ. V PISTONS		
E1-8-5-SEQ. V PISTONS		
E1-8-6-SEQ. V PISTONS		
E1-8-7-SEQ. V PISTONS		
E1-8-8-SEQ. V PISTONS		
M1-8-1-SEQ. V PISTONS		
M1-8-2-SEQ. V PISTONS		
M1-8-3-SEQ. V PISTONS		
M1-8-4-SEQ. V PISTONS		
M1-8-5-SEQ. V PISTONS		
M1-8-6-SEQ. V PISTONS		
M1-8-7-SEQ. V PISTONS		
M1-8-8-SEQ. V PISTONS		
N1-8-1-SEQ. V PISTONS	0.66	
N1-8-2-SEQ. V PISTONS	1.18	
N1-8-3-SEQ. V PISTONS	1.28	
N1-8-4-SEQ. V PISTONS	1.18	
N1-8-5-SEQ. V PISTONS	1.34	
N1-8-6-SEQ. V PISTONS	1.44	
N1-8-7-SEQ. V PISTONS	0.80	
N1-8-8-SEQ. V PISTONS	1.14	
VPCAL-1-CAL. SEQ. V PISTONS	1.02	
VPCAL-2-CAL. SEQ. V PISTONS	1.47	
VPCAL-3-CAL. SEQ. V PISTONS	0.38	
VPCAL-4-CAL. SEQ. V PISTONS	1.41	
VRCBVL-VG ROCKER COVER BAFFLE L	-0.10	
VRCBVR-VG ROCKER COVER BAFFLE R	-0.40	
VVCAL1-VG ROCKER COVER BAFFLE L	-0.43	
VVCAL2-VG ROCKER COVER BAFFLE R	0.14	
MAXIMUM	1.47	-0.43
MINIMUM	0.38	-0.10
RANGE(MAX-MIN)	1.090	-0.330
MEAN	1.108	-0.198
STANDARD DEVIATION	0.339	0.270

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Viera, Ralph

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS	-1.38		
D1-8-2-SEQ. V PISTONS	-1.30		
D1-8-3-SEQ. V PISTONS	-0.52		
D1-8-4-SEQ. V PISTONS	-0.41		
D1-8-5-SEQ. V PISTONS	0.47		
D1-8-6-SEQ. V PISTONS	-0.62		
D1-8-7-SEQ. V PISTONS	0.60		
D1-8-8-SEQ. V PISTONS	-0.06		
E1-8-1-SEQ. V PISTONS	0.09		
E1-8-2-SEQ. V PISTONS	-0.46		
E1-8-3-SEQ. V PISTONS	-0.84		
E1-8-4-SEQ. V PISTONS	0.02		
E1-8-5-SEQ. V PISTONS	0.32		
E1-8-6-SEQ. V PISTONS	-0.80		
E1-8-7-SEQ. V PISTONS	1.01		
E1-8-8-SEQ. V PISTONS	0.94		
M1-8-1-SEQ. V PISTONS			
M1-8-2-SEQ. V PISTONS			
M1-8-3-SEQ. V PISTONS			
M1-8-4-SEQ. V PISTONS			
M1-8-5-SEQ. V PISTONS			
M1-8-6-SEQ. V PISTONS			
M1-8-7-SEQ. V PISTONS			
M1-8-8-SEQ. V PISTONS			
N1-8-1-SEQ. V PISTONS			
N1-8-2-SEQ. V PISTONS			
N1-8-3-SEQ. V PISTONS			
N1-8-4-SEQ. V PISTONS			
N1-8-5-SEQ. V PISTONS			
N1-8-6-SEQ. V PISTONS			
N1-8-7-SEQ. V PISTONS			
N1-8-8-SEQ. V PISTONS			
VPCAL-1-CAL. SEQ. V PISTONS	1.05		
VPCAL-2-CAL. SEQ. V PISTONS	0.35		
VPCAL-3-CAL. SEQ. V PISTONS	0.87		
VPCAL-4-CAL. SEQ. V PISTONS	0.75		
VRCBVL-VG ROCKER COVER BAFFLE L	0.25		
VRCBVR-VG ROCKER COVER BAFFLE R	-0.46		
VVCAL1-VG ROCKER COVER BAFFLE L	-1.30		
VVCAL2-VG ROCKER COVER BAFFLE R	-0.78		
MAXIMUM	-1.38	-1.30	
MINIMUM	0.02	0.25	
RANGE(MAX-MIN)	-1.400	-1.550	
MEAN	0.004	-0.573	
STANDARD DEVIATION	0.765	0.648	

# LIGHT DUTY RATING WORKSHOP (May 11-15, 2009)

Rater= Zalewski, John

YI Values

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

PartID	PSV	AVERAG	
D1-8-1-SEQ. V PISTONS			
D1-8-2-SEQ. V PISTONS			
D1-8-3-SEQ. V PISTONS			
D1-8-4-SEQ. V PISTONS			
D1-8-5-SEQ. V PISTONS			
D1-8-6-SEQ. V PISTONS			
D1-8-7-SEQ. V PISTONS			
D1-8-8-SEQ. V PISTONS			
E1-8-1-SEQ. V PISTONS			
E1-8-2-SEQ. V PISTONS			
E1-8-3-SEQ. V PISTONS			
E1-8-4-SEQ. V PISTONS			
E1-8-5-SEQ. V PISTONS			
E1-8-6-SEQ. V PISTONS			
E1-8-7-SEQ. V PISTONS			
E1-8-8-SEQ. V PISTONS			
M1-8-1-SEQ. V PISTONS	-1.41		
M1-8-2-SEQ. V PISTONS	-1.49		
M1-8-3-SEQ. V PISTONS	-1.88		
M1-8-4-SEQ. V PISTONS	-1.15		
M1-8-5-SEQ. V PISTONS	-1.53		
M1-8-6-SEQ. V PISTONS	-1.99		
M1-8-7-SEQ. V PISTONS	-1.35		
M1-8-8-SEQ. V PISTONS	-1.90		
N1-8-1-SEQ. V PISTONS	-0.36		
N1-8-2-SEQ. V PISTONS	-1.02		
N1-8-3-SEQ. V PISTONS	-1.07		
N1-8-4-SEQ. V PISTONS	-1.05		
N1-8-5-SEQ. V PISTONS	-0.83		
N1-8-6-SEQ. V PISTONS	-0.48		
N1-8-7-SEQ. V PISTONS	-1.22		
N1-8-8-SEQ. V PISTONS	-1.07		
VPCAL-1-CAL. SEQ. V PISTONS	-1.20		
VPCAL-2-CAL. SEQ. V PISTONS	-0.57		
VPCAL-3-CAL. SEQ. V PISTONS	0.08		
VPCAL-4-CAL. SEQ. V PISTONS	-0.68		
VRCBVL-VG ROCKER COVER BAFFLE L	0.72		
VRCBVR-VG ROCKER COVER BAFFLE R	-1.05		
VVCAL1-VG ROCKER COVER BAFFLE L	0.64		
VVCAL2-VG ROCKER COVER BAFFLE R	0.79		
MAXIMUM	-1.99	-1.05	
MINIMUM	0.08	0.64	
RANGE(MAX-MIN)	-2.070	-1.690	
MEAN	-1.109	0.275	
STANDARD DEVIATION	0.534	0.885	