



A Program of ASTM International

Test Monitoring Center

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

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

November 3, 2009

To Participants of the ASTM International Heavy Duty Rating Workshop,

The 2009 ASTM International Heavy Duty Rating Workshop was held Monday, October 12, through Friday, October 16, 2009. This workshop was held under the auspices of ASTM International. ASTM International appreciates the importance of the rating activities to the lubricant testing industry and has committed to back those activities with their full support. The ASTM Test Monitoring Center is pleased to continue its role as coordinator for this workshop. 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.

Sincerely,

A handwritten signature in black ink that reads "Michael T. Kasimirsky".

Michael T. Kasimirsky
Workshop Coordinator

A handwritten signature in black ink that reads "Jeff A. Clark".

Jeff A. Clark
Workshop Coordinator

A handwritten signature in black ink that reads "Frank M. Farber".

Frank M. Farber
Workshop Coordinator

Enclosure

MINUTES
ASTM INTERNATIONAL HEAVY DUTY RATING WORKSHOP
SAN ANTONIO, TX

October 12-16, 2009

Workshop Coordinators: Frank Farber, Michael Kasimirsky, Jeff Clark

Deposit Rating Project Leader: Tony Barrera

Discussion Leaders: Tony Barrera, Brian Foecking, Howard Hill, Marianne May

Sunday:

14:00-15:00 Workshop Coordinators loaded truck and transported to hotel.

15:00-19:00 Unload truck; set up booths, and computer network.

Monday:

08:00-08:45 Deposit Rating Project Leader, Tony Barrera directed parts setup. Michael Kasimirsky distributed rating forms and new serialized scales.

08:45-10:00 Jeff Clark made introductory remarks. Tony Barrera led discussion on carbon definitions. Brian Foecking led discussion on varnish/lacquer definitions.

10:00-12:00 Calibration Exercise rating: “composite” calibration pistons CAL1A, CAL1B, CAL1C; C13 ring set J; sludge SCAL1 and SCAL2.

12:00-12:45 Lunch.

12:45-14:45 Continue Calibration Exercise rating

14:45-15:15 Review of data from Calibration Exercise.

Total ratings: 57

15:15-18:10 Practical Application rating. (started with 10 raters present, raters gradually left, as they finished for the evening.)

Total ratings: 73

18:10-18:30 Michael, Kasimirsky, Frank Farber and Jeff Clark cleanup room and backup database.

Tuesday:

7:00-12:00 Continuation of Practical Application rating.

12:00-12:45 Lunch.

12:45-15:30 Continuation of Practical Application rating.

15:30-17:15 Final data review.

Total ratings: 185

17:15-17:30 Cleanup/setup for session B.

Wednesday:

- 08:00-08:45 Jeff Clark made introductory remarks. Marianne May led discussion on carbon definitions. Howard Hill led discussion on varnish/lacquer definitions.
- 08:45-12:00 Calibration Exercise rating: “composite” calibration pistons CAL1A, CAL1B, CAL1C; C13 ring set J; sludge SCAL1 and SCAL2.
- 12:00-12:45 Lunch.
- 12:45-14:15 Continue Calibration Exercise rating
- 14:15-15:15 Review of data from Calibration Exercise.
- 15:15-18:00 Practical Application rating. (started with 19 raters present, raters gradually left, as they finished for the evening. First rater left at 4:20.)
- 18:00-18:30 Cleanup.

Thursday:

- 07:00-12:00 Practical Application rating.
- 12:00-13:00 Lunch.
- 13:00-19:00 Continuation of rating. Most raters concluded their rating by 14:30, a few continued 17:00
- 17:00-17:30 Daily cleanup.

Friday:

- 07:00-09:30 Continuation of rating.
- 09:30-11:30 Final data review and discussion.
Total ratings: 515
- 12:30-16:00 Mike Kasimirsky and Jeff Clark dismantled equipment, loaded the truck, and returned equipment to storage.

DISCUSSIONS

Carbon Deposit Rating and “Black Lacquer” vs. Carbon Ratings

In the A Session, Tony Barrera of Intertek Automotive Research presented his thoughts on rating carbon deposits and some good discussion amongst the raters resulted from his presentation. The raters noted that there are several different definitions for carbon deposits in Rating Manual 20 and these definitions don’t necessarily agree.

Jack Kobrinetz of Afton suggested that the industry convene a Task Group to review the carbon definitions listed in the ASTM Manual 20 to eliminate this problem. All raters in attendance at the A Session agreed.

Brian Foecking of Lubrizol Corporation then presented his thoughts on lacquer versus carbon deposits, specifically in the 2.0 to 1.0 merit range. He noted in the definitions that three key words are “thickness, volume,” and “texture” for determining carbon deposits from varnish deposits. One method for determining depth of deposits he noted is to look at the machining marks on the part as a guide for deposit depth. If the machining marks are still visible, then the deposit lacks depth and is rated as varnish. If not, then the deposit is rated as carbon. However, in the subsequent discussion it was also noted that occasionally deposits have depth but the machining marks on the part are still visible. All raters agreed that every possible “guideline” will have exceptions to it and may not apply in all cases.

Tony also brought up the issue of undercrown ratings, specifically in regards to carbon deposits, and the group reviewed a few representative pistons and had some discussions on the topic.

In the B Session, Marianne May of Intertek Automotive Research made a presentation, similar to Tony Barrera's in the A Session, in regards to rating the various levels of carbon (ratings below 1.0) and how to determine one from another. Howard Hill of Shell made a presentation, similar to Brian Foecking's in the A Session, on the differences between lacquer (2.0 to 1.0) deposits and carbon deposits (below 1.0).

Marianne reviewed the definitions of carbon in CRC Rating Manual 20 and how she went about determining the various levels of carbon present on a heavy duty piston.

Howard then discussed how he goes about determining the differences between lacquer deposits and carbon deposits on a piston. During the discussion, several raters reviewed the deposits on one of the workshop pistons as they related to the discussion.

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

Ashley Wiand
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
phone: (610) 832-9557
fax: (610) 834-7078
email: awiand@astm.org

Notes on the Data

Following is the data produced during the October 12-16, 2008, ASTM International Heavy Duty Rating Workshop.

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

The statistics presented include the data from all parts (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.



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<http://astmtmc.cmu.edu>

ASTM Heavy Duty Rating Workshop

October 2009

HD Rating Workshop

- Workshop Coordinators
 - Michael Kasimirsky
 - Jeff Clark
 - Frank Farber
- Workshop Presenters
 - Session A: Tony Barrera, Brian Foecking
 - Session B: Howard Hill, Marianne May

11/3/2009

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Rating Manuals

ASTM Headquarters supplies:

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

11/3/2009

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Workshop Format

- 1st Calibration Exercise
 - 3 Composite Pistons
 - Sludge Parts
 - C13 Rings
 - Data Review & Discussion

11/3/2009

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Workshop Format (Continued)

- Practical Application
 - Pistons
 - Keystone
 - Square Cut
 - Two-Piece
 - Seq. V
 - Seq. III
 - Sludge
 - C13 Rings
 - Data Review & Discussion

11/3/2009

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Volunteers

- Tony Barrera & Intertek Staff Support
 - Presenters
 - Tony, Brian, Howard, Marianne
- THANK YOU!!**

11/3/2009

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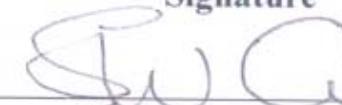
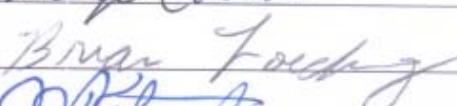
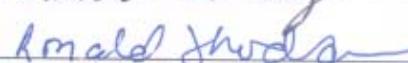
Heavy Duty Rating Workshop

October 12-16, 2009

San Antonio, Texas

A Session Attendees (October 12, 2009)

- Avis, Steven
- Barrera, Tony
- Cales, Jonathon
- Castillo, George
- Foecking, Brian
- Kobrinetz, Joaquin J.
- Lonsway, Chris
- Sanchez, Arthur
- Shoda, Ronald
- Viera, Ralph B.

Signature
 _____ Tony C. Barrera
 _____ George Castillo
 _____ Joaquin J. Kobrinetz
 _____ Arthur Sanchez
 _____ Ralph B. Viera

Heavy Duty Rating Workshop

October 12-16, 2009

San Antonio, Texas

A Session Attendees (October 13, 2009)

- Avis, Steven
- Barrera, Tony
- Cales, Jonathon
- Castillo, George
- Foecking, Brian
- Kobrinetz, Joaquin J.
- Lonsway, Chris
- Sanchez, Arthur
- Shoda, Ronald
- Viera, Ralph B.

Signature

Steve Avis
Tony Barrera
Jonathon Cales
George Castillo
Brian Foecking
Arthur Kobrinetz
Chris Lonsway
Arthur Sanchez
Ronald Shoda
Ralph B. Viera

Heavy Duty Rating Workshop

October 12-16, 2009

San Antonio, Texas

B Session Attendees (October 14, 2009)

- Clapperty, Leon
- Greenland, Paul
- Guarda, Waldyr
- Gutzwiller, Jim
- Hill, Howard P.
- Hills, Barry
- Hurst, Kevin R.
- Langford, Mike
- Lee, Manuel
- Lopez, Frank
- May, Marianne
- Pitta, Jimmy
- Richerson, Jay
- Rodriguez, Jesus (Jesse)
- Schakel, J.J.
- Seiz, Ray
- Sherrod, Jeff
- Stremlow, Mike
- Trevino, Bobby
- Zalewski, John

Signature

Leon Clapperty

Paul Greenland

Waldyr Guarda

Jim Gutzwiller

Howard P. Hill

Barry Hills

Kevin R. Hurst

Mike Langford

Manuel Lee

Frank Lopez

Marianne May

Jimmy Pitta

Jay Richerson

Dennis J. Rodriguez

Jeff Schakel

Ray Seiz

Mike Stremlow

Bobby Trevino

John Zalewski

Heavy Duty Rating Workshop

October 12-16, 2009

San Antonio, Texas

B Session Attendees (October 15, 2009)

- Clapperty, Leon
- Greenland, Paul
- Guarda, Waldyr
- Gutzwiller, Jim
- Hill, Howard P.
- Hills, Barry
- Hurst, Kevin R.
- Langford, Mike
- Lee, Manuel
- Lopez, Frank
- May, Marianne
- Pitta, Jimmy
- Richerson, Jay
- Rodriguez, Jesus (Jesse)
- Schakel, J.J.
- Seiz, Ray
- Sherrod, Jeff
- Stremlow, Mike
- Trevino, Bobby
- Zalewski, John

Signature

Leon Clapperty
Paul Greenland
Waldyr Guarda
Jim Gutzwiller
Howard P. Hill
Barry Hills
Kevin R. Hurst
Mike Langford
Manuel Lee
Frank Lopez
Marianne May
Jimmy Pitta
Jay Richerson
J.J. Schakel
Ray Seiz
Jeff Sherrod
Mike Stremlow
Bobby Trevino
John Zalewski

Heavy Duty Rating Workshop

October 12-16, 2009
San Antonio, Texas

B Session Attendees (October 16, 2009)

- Clapperty, Leon
- Greenland, Paul
- Guarda, Waldyr
- Gutzwiller, Jim
- Hill, Howard P.
- Hills, Barry
- Hurst, Kevin R.
- Langford, Mike
- Lee, Manuel
- Lopez, Frank
- May, Marianne
- Pitta, Jimmy
- Richerson, Jay
- Rodriguez, Jesus (Jesse)
- Schakel, J.J.
- Seiz, Ray
- Sherrod, Jeff
- ✓ • Stremlow, Mike
- Trevino, Bobby
- Zalewski, John

Signature

Leon Clapperty

Paul Greenland

Waldyr Guarda

Jim Gutzwiller

Howard P. Hill

Barry Hills

Kevin R. Hurst

Manuel Lee

Frank Lopez

Marianne May

Jay Richerson

Jesus (Jesse) Rodriguez

J.J. Schakel

Ray Seiz

Robert R. Sherrod

Mike Stremlow

Bobby Trevino

John J. Zalewski

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= CAL1A - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Hurst, Kevin R.	74.50	11.72	0.20	13.77	1.98	88.00
Sanchez, Arthur	74.30	4.99	0.10	12.78	2.10	92.00
Foecking, Brian	69.99	7.76	0.10	13.65	3.11	82.00
Castillo, George	65.50	9.76	0.10	11.11	2.46	88.00
Barrera, Tony	72.26	9.56	0.20	11.73	2.55	92.00
Cales, Jonathon	65.56	9.28	0.20	10.69	2.50	68.00
Kobrinetz, Joaquin J.	74.14	10.15	0.01	13.42	2.70	91.00
Avis, Steven	76.79	9.11	0.20	13.59	1.45	88.00
Lonsway, Chris	71.46	15.46	0.30	10.59	1.50	88.00
Shoda, Ronald	65.84	8.75	0.10	7.43	3.16	85.00
Viera, Ralph B.	63.48	11.23	0.15	12.48	2.88	80.00
Richerson, Jay	68.24	5.74	0.02	5.51	1.55	94.00
Zalewski, John	75.42	9.49	0.01	11.81	0.86	94.00
Hill, Howard P.	71.03	5.04	0.02	8.98	3.83	89.00
Sherrod, Jeff	70.10	8.30	0.10	10.58	2.05	95.00
Rodriguez, Jesus (Jesse)	74.00	11.06	0.10	12.47	2.14	87.00
Langford, Mike	67.15	9.83	0.20	10.38	1.25	95.00
Seiz, Ray	73.68	10.61	0.20	12.89	1.41	81.00
Pitta, Jimmy	72.18	7.83	0.01	7.80	1.51	93.00
May, Marianne	71.48	12.26	0.01	13.55	2.45	96.00
Greenland, Paul	73.93	8.22	0.20	12.14	2.18	93.00
Lopez, Frank	72.96	11.15	0.10	14.12	1.63	88.00
Stremlow, Mike	76.15	12.10	0.10	10.19	1.53	80.00
Clapperty, Leon	59.60	16.82	0.20	13.07	1.27	80.00
Hills, Barry	73.98	11.73	0.10	14.33	1.77	86.00
Trevino, Bobby	70.84	11.21	0.19	10.49	2.41	88.00
Guarda, Waldyr	70.16	11.56	0.20	13.60	1.73	61.00
Schakel, J.J.	73.01	18.23	0.01	13.36	1.65	65.00
Gutzwiller, Jim	66.90	7.83	0.20	10.81	2.04	72.00
Kasimirsky, Michael	76.10	9.15	0.07	10.65	1.90	63.00
MAXIMUM	76.79	18.23	0.30	14.33	3.83	96.00
MINIMUM	59.60	4.99	0.01	5.51	0.86	61.00
RANGE(MAX-MIN)	17.190	13.240	0.290	8.820	2.970	35.000
MEAN	71.024	10.198	0.123	11.599	2.052	84.733
STANDARD DEVIATION	4.145	2.989	0.081	2.143	0.661	9.889

HEAVY DUTY RATING WORKSHOP (October 12-16, 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	TGF
Hurst, Kevin R.	0.84	0.51	0.95	1.01	-0.11	0.33
Sanchez, Arthur	0.79	-1.74	-0.29	0.55	0.07	0.73
Foecking, Brian	-0.25	-0.82	-0.29	0.96	1.60	-0.28
Castillo, George	-1.33	-0.15	-0.29	-0.23	0.62	0.33
Barrera, Tony	0.30	-0.21	0.95	0.06	0.75	0.73
Cales, Jonathon	-1.32	-0.31	0.95	-0.42	0.68	-1.69
Kobrinetz, Joaquin J.	0.75	-0.02	-1.41	0.85	0.98	0.63
Avis, Steven	1.39	-0.36	0.95	0.93	-0.91	0.33
Lonsway, Chris	0.11	1.76	2.19	-0.47	-0.83	0.33
Shoda, Ronald	-1.25	-0.48	-0.29	-1.95	1.68	0.03
Viera, Ralph B.	-1.82	0.35	0.33	0.41	1.25	-0.48
Richerson, Jay	-0.67	-1.49	-1.28	-2.84	-0.76	0.94
Zalewski, John	1.06	-0.24	-1.41	0.10	-1.80	0.94
Hill, Howard P.	0.00	-1.73	-1.28	-1.22	2.69	0.43
Sherrod, Jeff	-0.22	-0.63	-0.29	-0.48	0.00	1.04
Rodriguez, Jesus (Jesse)	0.72	0.29	-0.29	0.41	0.13	0.23
Langford, Mike	-0.93	-0.12	0.95	-0.57	-1.21	1.04
Seiz, Ray	0.64	0.14	0.95	0.60	-0.97	-0.38
Pitta, Jimmy	0.28	-0.79	-1.41	-1.77	-0.82	0.84
May, Marianne	0.11	0.69	-1.41	0.91	0.60	1.14
Greenland, Paul	0.70	-0.66	0.95	0.25	0.19	0.84
Lopez, Frank	0.47	0.32	-0.29	1.18	-0.64	0.33
Stremlow, Mike	1.24	0.64	-0.29	-0.66	-0.79	-0.48
Clapperty, Leon	-2.76	2.22	0.95	0.69	-1.18	-0.48
Hills, Barry	0.71	0.51	-0.29	1.27	-0.43	0.13
Trevino, Bobby	-0.04	0.34	0.83	-0.52	0.54	0.33
Guarda, Waldyr	-0.21	0.46	0.95	0.93	-0.49	-2.40
Schakel, J.J.	0.48	2.69	-1.41	0.82	-0.61	-2.00
Gutzwiller, Jim	-0.99	-0.79	0.95	-0.37	-0.02	-1.29
Kasimirsky, Michael	1.22	-0.35	-0.66	-0.44	-0.23	-2.20
MAXIMUM	-2.76	2.69	2.19	-2.84	2.69	-2.40
MINIMUM	0.00	-0.02	-0.29	0.06	0.00	0.03
RANGE(MAX-MIN)	-2.757	2.703	2.481	-2.903	2.693	-2.427
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= CAL1B - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Foecking, Brian	37.20	18.43	1.82	12.19	2.62	55.00
Castillo, George	58.51	19.77	1.77	12.78	2.70	60.00
Barrera, Tony	61.65	19.65	1.76	13.06	2.37	52.00
Kobrinetz, Joaquin J.	52.81	18.17	1.44	12.54	1.97	54.00
Cales, Jonathon	45.38	19.57	1.83	11.96	2.46	46.00
Avis, Steven	58.98	18.66	1.18	13.02	1.75	63.00
Sanchez, Arthur	73.90	22.88	0.98	13.59	1.69	50.00
Lonsway, Chris	63.38	19.56	1.90	10.30	1.35	52.00
Shoda, Ronald	52.09	19.16	1.57	15.71	2.22	50.00
Viera, Ralph B.	54.31	18.80	1.27	13.05	1.90	60.00
Trevino, Bobby	47.28	17.52	1.55	12.75	2.37	48.00
Richerson, Jay	64.80	12.71	1.96	8.31	2.48	44.00
Sherrod, Jeff	52.90	19.80	1.33	17.08	1.65	55.00
Langford, Mike	63.22	17.63	1.01	12.09	1.20	55.00
Seiz, Ray	65.30	16.68	1.49	14.05	1.53	58.00
Pitta, Jimmy	64.22	15.50	1.13	8.92	1.62	54.00
Stremlow, Mike	71.84	17.36	1.71	10.73	1.21	61.00
May, Marianne	59.52	18.54	1.09	16.85	2.19	58.00
Hill, Howard P.	47.27	12.33	1.30	14.55	2.50	58.00
Zalewski, John	70.50	16.60	1.55	11.90	0.49	53.00
Greenland, Paul	61.64	15.13	1.78	11.23	2.47	54.00
Rodriguez, Jesus (Jesse)	65.32	18.72	1.21	14.53	0.76	56.00
Hills, Barry	52.36	20.15	1.42	16.91	2.38	56.00
Clapperty, Leon	37.96	15.21	1.08	14.00	1.16	62.00
Lopez, Frank	60.29	19.97	1.51	14.83	1.70	48.00
Guarda, Waldyr	59.72	16.43	1.14	14.03	1.28	56.00
Gutzwiller, Jim	65.03	11.53	1.40	17.20	1.73	55.00
Schakel, J.J.	65.81	16.12	1.09	15.35	1.62	52.00
Hurst, Kevin R.	69.19	18.08	1.42	15.50	0.95	65.00
Kasimirsky, Michael	75.70	14.25	1.55	10.67	1.40	55.00
MAXIMUM	75.70	22.88	1.96	17.20	2.70	65.00
MINIMUM	37.20	11.53	0.98	8.31	0.49	44.00
RANGE(MAX-MIN)	38.500	11.350	0.980	8.890	2.210	21.000
MEAN	59.269	17.497	1.441	13.323	1.791	54.833
STANDARD DEVIATION	9.728	2.566	0.286	2.317	0.591	4.956

HEAVY DUTY RATING WORKSHOP (October 12-16, 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	TGF
Foecking, Brian	-2.27	0.36	1.32	-0.49	1.40	0.03
Castillo, George	-0.08	0.89	1.15	-0.23	1.54	1.04
Barrera, Tony	0.24	0.84	1.11	-0.11	0.98	-0.57
Kobrinetz, Joaquin J.	-0.66	0.26	0.00	-0.34	0.30	-0.17
Cales, Jonathon	-1.43	0.81	1.36	-0.59	1.13	-1.78
Avis, Steven	-0.03	0.45	-0.91	-0.13	-0.07	1.65
Sanchez, Arthur	1.50	2.10	-1.61	0.12	-0.17	-0.98
Lonsway, Chris	0.42	0.80	1.60	-1.30	-0.75	-0.57
Shoda, Ronald	-0.74	0.65	0.45	1.03	0.73	-0.98
Viera, Ralph B.	-0.51	0.51	-0.60	-0.12	0.19	1.04
Trevino, Bobby	-1.23	0.01	0.38	-0.25	0.98	-1.38
Richerson, Jay	0.57	-1.87	1.81	-2.16	1.17	-2.19
Sherrod, Jeff	-0.65	0.90	-0.39	1.62	-0.24	0.03
Langford, Mike	0.41	0.05	-1.51	-0.53	-1.00	0.03
Seiz, Ray	0.62	-0.32	0.17	0.31	-0.44	0.64
Pitta, Jimmy	0.51	-0.78	-1.09	-1.90	-0.29	-0.17
Stremlow, Mike	1.29	-0.05	0.94	-1.12	-0.98	1.24
May, Marianne	0.03	0.41	-1.23	1.52	0.68	0.64
Hill, Howard P.	-1.23	-2.01	-0.49	0.53	1.20	0.64
Zalewski, John	1.15	-0.35	0.38	-0.61	-2.20	-0.37
Greenland, Paul	0.24	-0.92	1.18	-0.90	1.15	-0.17
Rodriguez, Jesus (Jesse)	0.62	0.48	-0.81	0.52	-1.74	0.24
Hills, Barry	-0.71	1.03	-0.07	1.55	1.00	0.24
Clapperty, Leon	-2.19	-0.89	-1.26	0.29	-1.07	1.45
Lopez, Frank	0.10	0.96	0.24	0.65	-0.15	-1.38
Guarda, Waldyr	0.05	-0.42	-1.05	0.31	-0.86	0.24
Gutzwiller, Jim	0.59	-2.33	-0.14	1.67	-0.10	0.03
Schakel, J.J.	0.67	-0.54	-1.23	0.87	-0.29	-0.57
Hurst, Kevin R.	1.02	0.23	-0.07	0.94	-1.42	2.05
Kasimirsky, Michael	1.69	-1.27	0.38	-1.14	-0.66	0.03
MAXIMUM	-2.27	-2.33	1.81	-2.16	-2.20	-2.19
MINIMUM	0.03	0.01	0.00	-0.11	-0.07	0.03
RANGE(MAX-MIN)	-2.295	-2.334	1.815	-2.050	-2.132	-2.220
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= CAL1C - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Castillo, George	32.22	10.25	0.17	9.80	4.30	19.00
Kobrinetz, Joaquin J.	34.41	10.33	0.19	13.09	3.90	7.00
Barrera, Tony	39.09	11.71	0.15	10.79	3.93	11.00
Cales, Jonathon	33.32	11.85	0.20	9.08	3.03	14.00
Avis, Steven	38.88	11.15	0.10	11.53	4.25	20.00
Foecking, Brian	30.06	10.53	0.30	11.01	4.60	5.00
Sanchez, Arthur	36.97	14.13	0.30	9.24	4.21	12.00
Shoda, Ronald	38.37	9.89	0.20	11.02	4.14	18.00
Lonsway, Chris	27.10	12.10	0.25	11.57	3.49	9.00
Viera, Ralph B.	36.27	11.74	0.49	8.89	3.72	13.00
Zalewski, John	39.34	8.37	0.11	9.35	3.55	11.00
Clapperty, Leon	30.07	9.91	0.24	12.61	3.21	6.00
Trevino, Bobby	33.09	10.13	0.13	23.64	4.57	9.00
Richerson, Jay	39.23	8.80	0.08	8.62	4.12	23.00
Seiz, Ray	37.24	9.53	0.19	11.00	4.37	3.00
Sherrod, Jeff	37.10	12.14	0.20	14.15	3.90	15.00
Stremlow, Mike	42.94	12.27	1.00	8.04	4.55	12.00
Hurst, Kevin R.	38.76	10.38	0.58	11.81	5.60	15.00
Langford, Mike	32.10	9.80	0.45	10.10	3.66	13.00
Hills, Barry	43.36	11.36	0.12	14.19	4.07	16.00
Rodriguez, Jesus (Jesse)	39.67	11.28	0.20	11.52	1.98	10.00
Greenland, Paul	33.45	10.67	0.25	9.71	1.90	14.00
Hill, Howard P.	37.81	10.15	0.65	8.93	2.79	13.00
May, Marianne	40.97	10.20	0.38	14.90	5.08	8.00
Pitta, Jimmy	29.48	10.42	1.05	8.21	3.47	6.00
Guarda, Waldyr	37.80	10.00	0.05	11.81	4.68	8.00
Lopez, Frank	40.51	10.50	0.75	15.09	5.93	11.00
Gutzwiller, Jim	41.38	10.82	0.26	12.89	5.06	12.00
Schakel, J.J.	32.12	9.81	0.00	9.40	4.41	9.00
MAXIMUM	43.36	14.13	1.05	23.64	5.93	23.00
MINIMUM	27.10	8.37	0.00	8.04	1.90	3.00
RANGE(MAX-MIN)	16.260	5.760	1.050	15.600	4.030	20.000
MEAN	36.314	10.697	0.312	11.448	4.016	11.793
STANDARD DEVIATION	4.273	1.164	0.265	3.080	0.907	4.655

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= CAL1C - CALIBRATION PISTON

CAL1C YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Castillo, George	-0.96	-0.38	-0.53	-0.54	0.31	1.55
Kobrinetz, Joaquin J.	-0.45	-0.32	-0.46	0.53	-0.13	-1.03
Barrera, Tony	0.65	0.87	-0.61	-0.21	-0.10	-0.17
Cales, Jonathon	-0.70	0.99	-0.42	-0.77	-1.09	0.47
Avis, Steven	0.60	0.39	-0.80	0.03	0.26	1.76
Foecking, Brian	-1.46	-0.14	-0.04	-0.14	0.64	-1.46
Sanchez, Arthur	0.15	2.95	-0.04	-0.72	0.21	0.04
Shoda, Ronald	0.48	-0.69	-0.42	-0.14	0.14	1.33
Lonsway, Chris	-2.16	1.21	-0.23	0.04	-0.58	-0.60
Viera, Ralph B.	-0.01	0.90	0.67	-0.83	-0.33	0.26
Zalewski, John	0.71	-2.00	-0.76	-0.68	-0.51	-0.17
Clapperty, Leon	-1.46	-0.68	-0.27	0.38	-0.89	-1.24
Trevino, Bobby	-0.75	-0.49	-0.69	3.96	0.61	-0.60
Richerson, Jay	0.68	-1.63	-0.87	-0.92	0.11	2.41
Seiz, Ray	0.22	-1.00	-0.46	-0.15	0.39	-1.89
Sherrod, Jeff	0.18	1.24	-0.42	0.88	-0.13	0.69
Stremlow, Mike	1.55	1.35	2.60	-1.11	0.59	0.04
Hurst, Kevin R.	0.57	-0.27	1.01	0.12	1.75	0.69
Langford, Mike	-0.99	-0.77	0.52	-0.44	-0.39	0.26
Hills, Barry	1.65	0.57	-0.72	0.89	0.06	0.90
Rodriguez, Jesus (Jesse)	0.79	0.50	-0.42	0.02	-2.24	-0.39
Greenland, Paul	-0.67	-0.02	-0.23	-0.56	-2.33	0.47
Hill, Howard P.	0.35	-0.47	1.28	-0.82	-1.35	0.26
May, Marianne	1.09	-0.43	0.26	1.12	1.17	-0.81
Pitta, Jimmy	-1.60	-0.24	2.78	-1.05	-0.60	-1.24
Guarda, Waldyr	0.35	-0.60	-0.99	0.12	0.73	-0.81
Lopez, Frank	0.98	-0.17	1.65	1.18	2.11	-0.17
Gutzwiller, Jim	1.19	0.11	-0.20	0.47	1.15	0.04
Schakel, J.J.	-0.98	-0.76	-1.18	-0.66	0.43	-0.60
MAXIMUM	-2.16	2.95	2.78	3.96	-2.33	2.41
MINIMUM	-0.01	-0.02	-0.04	0.02	0.06	0.04
RANGE(MAX-MIN)	-2.146	2.973	2.828	3.935	-2.392	2.363
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= SCAL1 - VG TIMING CHAIN COVER

Rated Values

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

Rater	TOTALS
Seiz, Ray	9.07
Kobrinetz, Joaquin J.	9.21
Cales, Jonathon	9.38
Foecking, Brian	9.18
Barrera, Tony	9.27
Shoda, Ronald	9.30
Lonsway, Chris	9.12
Castillo, George	9.36
Sanchez, Arthur	9.33
Avis, Steven	9.33
Viera, Ralph B.	9.23
May, Marianne	9.23
Lopez, Frank	9.32
Hills, Barry	9.23
Greenland, Paul	9.40
Trevino, Bobby	9.25
Clapperty, Leon	9.23
Hill, Howard P.	9.21
Rodriguez, Jesus (Jesse)	9.26
Zalewski, John	9.17
Guarda, Waldyr	9.57
Gutzwiller, Jim	9.50
Hurst, Kevin R.	9.38
MAXIMUM	9.57
MINIMUM	9.07
RANGE(MAX-MIN)	0.500
MEAN	9.284
STANDARD DEVIATION	0.115

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= SCAL1 - VG TIMING CHAIN COVER

SCAL1 YI Values

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

Rater	TOTALS
Seiz, Ray	-1.85
Kobrinetz, Joaquin J.	-0.64
Cales, Jonathon	0.83
Foecking, Brian	-0.90
Barrera, Tony	-0.12
Shoda, Ronald	0.14
Lonsway, Chris	-1.42
Castillo, George	0.66
Sanchez, Arthur	0.40
Avis, Steven	0.40
Viera, Ralph B.	-0.47
May, Marianne	-0.47
Lopez, Frank	0.31
Hills, Barry	-0.47
Greenland, Paul	1.01
Trevino, Bobby	-0.29
Clapperty, Leon	-0.47
Hill, Howard P.	-0.64
Rodriguez, Jesus (Jesse)	-0.21
Zalewski, John	-0.99
Guarda, Waldyr	2.48
Gutzwiller, Jim	1.87
Hurst, Kevin R.	0.83
MAXIMUM	2.48
MINIMUM	-0.12
RANGE(MAX-MIN)	2.600
MEAN	0.000
STANDARD DEVIATION	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= J - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Kobrinetz, Joaquin J.	40.00	15.00	47.00	11.00	39.00	48.00
Barrera, Tony	32.00	12.00	43.00	10.00	33.00	39.00
Foecking, Brian	26.00	16.00	34.00	15.00	38.00	41.00
Castillo, George	46.00	13.00	50.00	12.00	46.00	53.00
Avis, Steven	36.00	11.00	42.00	10.00	27.00	50.00
Shoda, Ronald	34.00	12.00	52.00	10.00	56.00	60.00
Viera, Ralph B.	39.00	14.00	36.00	14.00	34.00	46.00
Lopez, Frank	73.00	14.00	55.00	12.00	56.00	55.00
May, Marianne	40.00	13.00	46.00	20.00	34.00	46.00
Seiz, Ray	28.00	16.00	26.00	6.00	24.00	43.00
Zalewski, John	82.00	11.00	58.00	29.00	64.00	62.00
Trevino, Bobby	30.00	14.00	28.00	9.00	34.00	44.00
Richerson, Jay	38.00	18.00	44.00	19.00	33.00	48.00
Guarda, Waldyr	36.00	16.00	35.00	10.00	36.00	41.00
Stremlow, Mike	0.00	0.00	25.00	0.00	0.00	0.00
Schakel, J.J.	71.00	9.00	50.00	23.00	50.00	56.00
MAXIMUM	82.00	18.00	58.00	29.00	64.00	62.00
MINIMUM	0.00	0.00	25.00	0.00	0.00	0.00
RANGE(MAX-MIN)	82.000	18.000	33.000	29.000	64.000	62.000
MEAN	40.688	12.750	41.938	13.125	37.750	45.750
STANDARD DEVIATION	20.032	4.107	10.292	6.937	15.044	13.983

Part ID= J - C13 2ND RING CARBON

J YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Kobrinetz, Joaquin J.	-0.03	0.55	0.49	-0.31	0.08	0.16
Barrera, Tony	-0.43	-0.18	0.10	-0.45	-0.32	-0.48
Foecking, Brian	-0.73	0.79	-0.77	0.27	0.02	-0.34
Castillo, George	0.27	0.06	0.78	-0.16	0.55	0.52
Avis, Steven	-0.23	-0.43	0.01	-0.45	-0.71	0.30
Shoda, Ronald	-0.33	-0.18	0.98	-0.45	1.21	1.02
Viera, Ralph B.	-0.08	0.30	-0.58	0.13	-0.25	0.02
Lopez, Frank	1.61	0.30	1.27	-0.16	1.21	0.66
May, Marianne	-0.03	0.06	0.39	0.99	-0.25	0.02
Seiz, Ray	-0.63	0.79	-1.55	-1.03	-0.91	-0.20
Zalewski, John	2.06	-0.43	1.56	2.29	1.74	1.16
Trevino, Bobby	-0.53	0.30	-1.35	-0.59	-0.25	-0.13
Richerson, Jay	-0.13	1.28	0.20	0.85	-0.32	0.16
Guarda, Waldyr	-0.23	0.79	-0.67	-0.45	-0.12	-0.34
Stremlow, Mike	-2.03	-3.10	-1.65	-1.89	-2.51	-3.27
Schakel, J.J.	1.51	-0.91	0.78	1.42	0.81	0.73
MAXIMUM	2.06	-3.10	-1.65	2.29	-2.51	-3.27
MINIMUM	-0.03	0.06	0.01	0.13	0.02	0.02
RANGE(MAX-MIN)	2.097	-3.165	-1.652	2.163	-2.526	-3.290
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= SCAL2 - VG TIMING CHAIN COVER

Rated Values

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

Rater	TOTALS
Kobrinetz, Joaquin J.	9.05
Cales, Jonathon	9.18
Foecking, Brian	8.98
Barrera, Tony	9.24
Sanchez, Arthur	9.22
Lonsway, Chris	9.02
Castillo, George	9.20
Shoda, Ronald	9.09
Avis, Steven	9.14
Viera, Ralph B.	9.09
May, Marianne	9.24
Hills, Barry	9.22
Trevino, Bobby	9.18
Greenland, Paul	9.22
Lopez, Frank	9.39
Clapperty, Leon	9.28
Rodriguez, Jesus (Jesse)	9.16
Seiz, Ray	8.85
Hill, Howard P.	9.22
Zalewski, John	9.18
Guarda, Waldyr	9.29
Gutzwiller, Jim	9.42
Hurst, Kevin R.	9.34
MAXIMUM	9.42
MINIMUM	8.85
RANGE(MAX-MIN)	0.570
MEAN	9.183
STANDARD DEVIATION	0.130

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= SCAL2 - VG TIMING CHAIN COVER

SCAL2 YI Values

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

Rater	TOTALS
Kobrinetz, Joaquin J.	-1.02
Cales, Jonathon	-0.02
Foecking, Brian	-1.56
Barrera, Tony	0.44
Sanchez, Arthur	0.29
Lonsway, Chris	-1.25
Castillo, George	0.13
Shoda, Ronald	-0.71
Avis, Steven	-0.33
Viera, Ralph B.	-0.71
May, Marianne	0.44
Hills, Barry	0.29
Trevino, Bobby	-0.02
Greenland, Paul	0.29
Lopez, Frank	1.59
Clapperty, Leon	0.75
Rodriguez, Jesus (Jesse)	-0.17
Seiz, Ray	-2.55
Hill, Howard P.	0.29
Zalewski, John	-0.02
Guarda, Waldyr	0.82
Gutzwiller, Jim	1.82
Hurst, Kevin R.	1.21
MAXIMUM	-2.55
MINIMUM	-0.02
RANGE(MAX-MIN)	-2.535
MEAN	0.000
STANDARD DEVIATION	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A5 - 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	25.00	11.09	2.50	29.98	3.56	7.41	0.34	0.02	
Foecking, Brian	25.00	11.64	2.49	34.15	4.40	8.03	0.72	0.10	
Viera, Ralph B.	25.00	10.69	2.82	36.56	4.23	7.57	0.65	0.01	
Lonsway, Chris	25.00	9.48	2.47	26.12	4.49	7.93	0.51	0.15	
Sanchez, Arthur	25.00	8.57	2.12	35.16	3.75	8.13	0.77	0.22	
Richerson, Jay	25.00	9.16	3.64	25.05	5.16	6.05	0.56	0.01	
May, Marianne	25.00	12.36	2.58	33.79	5.31	7.68	0.54	0.12	
Lopez, Frank	25.00	12.46	2.41	32.92	4.86	8.01	0.50	0.10	
Seiz, Ray	25.75	12.36	2.48	30.37	5.17	7.68	0.40	0.11	
Langford, Mike	25.00	10.09	2.02	31.08	5.41	4.20	0.89	0.20	
Greenland, Paul	25.00	8.18	3.03	29.88	4.51	7.45	0.78	0.10	
Hill, Howard P.	25.00	8.08	2.61	26.07	3.29	5.73	0.17	0.00	
Hills, Barry	25.00	9.20	1.64	24.80	3.98	7.90	0.50	0.22	
Gutzwiller, Jim	25.00	9.20	3.58	35.90	4.85	7.35	0.50	0.14	
Kasimirsky, Michael	25.00	10.99	3.10	29.49	4.75	7.20	0.27	0.03	
Trevino, Bobby	25.00	8.51	2.62	30.46	3.71	7.53	0.41	0.06	
Schakel, J.J.	38.50	8.80	2.36	31.78	4.47	7.25	0.31	0.00	
MAXIMUM	38.50	12.46	3.64	36.56	5.41	8.13	0.89	0.22	
MINIMUM	25.00	8.08	1.64	24.80	3.29	4.20	0.17	0.00	
RANGE(MAX-MIN)	13.500	4.380	2.000	11.760	2.120	3.930	0.720	0.220	
MEAN	25.838	10.051	2.616	30.798	4.465	7.241	0.519	0.094	
STANDARD DEVIATION	3.268	1.530	0.510	3.715	0.640	1.016	0.196	0.076	

Part ID= A5 - SEQUENCE III

A5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Barrera, Tony	-0.26	0.68	-0.23	-0.22	-1.41	0.17	-0.91	-0.97	
Foecking, Brian	-0.26	1.04	-0.25	0.90	-0.10	0.78	1.03	0.09	
Viera, Ralph B.	-0.26	0.42	0.40	1.55	-0.37	0.32	0.67	-1.10	
Lonsway, Chris	-0.26	-0.37	-0.29	-1.26	0.04	0.68	-0.05	0.75	
Sanchez, Arthur	-0.26	-0.97	-0.97	1.17	-1.12	0.87	1.28	1.67	
Richerson, Jay	-0.26	-0.58	2.01	-1.55	1.09	-1.17	0.21	-1.10	
May, Marianne	-0.26	1.51	-0.07	0.81	1.32	0.43	0.11	0.35	
Lopez, Frank	-0.26	1.57	-0.40	0.57	0.62	0.76	-0.10	0.09	
Seiz, Ray	-0.03	1.51	-0.27	-0.12	1.10	0.43	-0.61	0.22	
Langford, Mike	-0.26	0.03	-1.17	0.08	1.48	-2.99	1.89	1.41	
Greenland, Paul	-0.26	-1.22	0.81	-0.25	0.07	0.21	1.33	0.09	
Hill, Howard P.	-0.26	-1.29	-0.01	-1.27	-1.84	-1.49	-1.78	-1.23	
Hills, Barry	-0.26	-0.56	-1.91	-1.61	-0.76	0.65	-0.10	1.67	
Gutzwiller, Jim	-0.26	-0.56	1.89	1.37	0.60	0.11	-0.10	0.61	
Kasimirsky, Michael	-0.26	0.61	0.95	-0.35	0.45	-0.04	-1.27	-0.84	
Trevino, Bobby	-0.26	-1.01	0.01	-0.09	-1.18	0.28	-0.56	-0.44	
Schakel, J.J.	3.87	-0.82	-0.50	0.26	0.01	0.01	-1.07	-1.23	
MAXIMUM	3.87	1.57	2.01	-1.61	-1.84	-2.99	1.89	1.67	
MINIMUM	-0.03	0.03	0.01	0.08	0.01	0.01	-0.05	0.09	
RANGE(MAX-MIN)	3.902	1.549	2.001	-1.691	-1.844	-3.001	1.938	1.584	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A4 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Barrera, Tony	62.41	12.13	0.39	0.09	16.23	0.99	0.88	70.00	
Sanchez, Arthur	62.50	12.97	0.34	0.33	15.38	0.54	0.73	58.00	
Viera, Ralph B.	65.75	14.17	0.09	0.30	16.04	0.91	1.58	70.00	
Avis, Steven	66.50	13.37	0.44	0.27	16.46	0.49	1.22	68.00	
Lonsway, Chris	48.07	13.99	0.30	0.20	15.15	0.80	1.00	56.00	
May, Marianne	64.79	14.13	0.48	0.46	16.17	0.56	0.82	73.00	
Seiz, Ray	74.06	12.09	0.44	0.24	20.71	0.62	0.97	84.00	
Sherrod, Jeff	60.00	13.35	0.60	0.12	24.53	1.00	1.70	72.00	
Langford, Mike	64.66	15.22	0.62	0.38	15.79	1.00	1.22	70.00	
Greenland, Paul	52.50	11.45	0.32	0.30	14.08	1.09	1.45	74.00	
Hill, Howard P.	66.42	10.54	0.57	0.55	10.52	0.61	0.93	74.00	
Clapperty, Leon	60.05	10.31	0.72	0.27	11.00	0.57	0.62	73.00	
Lopez, Frank	61.85	12.54	0.30	0.30	17.97	1.26	1.38	59.00	
Gutzwiller, Jim	66.90	10.38	0.36	0.32	14.00	1.42	2.04	69.00	
Hills, Barry	62.58	13.43	0.30	0.11	15.36	0.22	0.36	72.00	
Kasimirsky, Michael	76.00	13.96	0.20	0.15	14.25	0.62	1.20	68.00	
Schakel, J.J.	63.34	9.15	0.32	0.68	18.67	0.91	1.38	51.00	
MAXIMUM	76.00	15.22	0.72	0.68	24.53	1.42	2.04	84.00	
MINIMUM	48.07	9.15	0.09	0.09	10.52	0.22	0.36	51.00	
RANGE(MAX-MIN)	27.930	6.070	0.630	0.590	14.010	1.200	1.680	33.000	
MEAN	63.434	12.540	0.399	0.298	16.018	0.801	1.146	68.294	
STANDARD DEVIATION	6.585	1.686	0.161	0.156	3.294	0.309	0.422	8.045	

Part ID= A4 - SQUARE CUT

A4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Barrera, Tony	-0.16	-0.24	-0.06	-1.33	0.06	0.61	-0.63	0.21	
Sanchez, Arthur	-0.14	0.26	-0.37	0.20	-0.19	-0.84	-0.98	-1.28	
Viera, Ralph B.	0.35	0.97	-1.92	0.01	0.01	0.35	1.03	0.21	
Avis, Steven	0.47	0.49	0.25	-0.18	0.13	-1.00	0.18	-0.04	
Lonsway, Chris	-2.33	0.86	-0.62	-0.63	-0.26	0.00	-0.35	-1.53	
May, Marianne	0.21	0.94	0.50	1.04	0.05	-0.78	-0.77	0.59	
Seiz, Ray	1.61	-0.27	0.25	-0.37	1.42	-0.58	-0.42	1.95	
Sherrod, Jeff	-0.52	0.48	1.25	-1.14	2.58	0.64	1.31	0.46	
Langford, Mike	0.19	1.59	1.37	0.52	-0.07	0.64	0.18	0.21	
Greenland, Paul	-1.66	-0.65	-0.49	0.01	-0.59	0.94	0.72	0.71	
Hill, Howard P.	0.45	-1.19	1.06	1.61	-1.67	-0.62	-0.51	0.71	
Clapperty, Leon	-0.51	-1.32	1.99	-0.18	-1.52	-0.75	-1.25	0.59	
Lopez, Frank	-0.24	0.00	-0.62	0.01	0.59	1.48	0.55	-1.16	
Gutzwiller, Jim	0.53	-1.28	-0.25	0.14	-0.61	2.00	2.12	0.09	
Hills, Barry	-0.13	0.53	-0.62	-1.20	-0.20	-1.88	-1.86	0.46	
Kasimirsky, Michael	1.91	0.84	-1.24	-0.95	-0.54	-0.58	0.13	-0.04	
Schakel, J.J.	-0.01	-2.01	-0.49	2.44	0.81	0.35	0.55	-2.15	
MAXIMUM	-2.33	-2.01	1.99	2.44	2.58	2.00	2.12	-2.15	
MINIMUM	-0.01	0.00	-0.06	0.01	0.01	0.00	0.13	-0.04	
RANGE(MAX-MIN)	-2.319	-2.010	2.053	2.432	2.578	2.004	1.989	-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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A3 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Barrera, Tony	39.06	3.43	2.53	2.10	18.83	23.53	3.81	2.50	
Sanchez, Arthur	51.52	2.66	1.97	5.70	19.04	26.88	3.21	1.94	
Viera, Ralph B.	48.78	4.13	3.55	7.50	22.35	26.19	5.13	2.48	
Lonsway, Chris	39.56	4.51	1.10	1.50	17.50	22.83	3.44	0.50	
Avis, Steven	40.75	4.00	2.08	4.50	19.24	25.83	2.74	1.50	
Greenland, Paul	60.30	3.38	2.50	4.50	18.81	24.40	2.53	2.31	
May, Marianne	46.17	5.74	4.92	2.10	21.42	29.29	6.47	3.49	
Langford, Mike	51.83	5.07	1.55	3.90	23.88	30.26	3.25	0.70	
Lopez, Frank	34.79	4.44	1.56	6.90	23.27	25.31	4.35	1.68	
Hill, Howard P.	54.90	2.44	3.30	3.90	17.51	23.53	2.38	2.26	
Seiz, Ray	32.03	1.75	1.71	4.80	21.27	31.23	3.43	2.18	
Hills, Barry	30.59	2.78	2.53	7.50	20.47	28.06	3.00	1.90	
Gutzwiller, Jim	62.77	4.85	2.61	7.50	23.21	37.34	4.21	1.97	
MAXIMUM	62.77	5.74	4.92	7.50	23.88	37.34	6.47	3.49	
MINIMUM	30.59	1.75	1.10	1.50	17.50	22.83	2.38	0.50	
RANGE(MAX-MIN)	32.180	3.990	3.820	6.000	6.380	14.510	4.090	2.990	
MEAN	45.619	3.783	2.455	4.800	20.523	27.283	3.688	1.955	
STANDARD DEVIATION	10.451	1.163	1.017	2.128	2.210	4.020	1.137	0.773	

Part ID= A3 - C13-STYLE

A3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Barrera, Tony	-0.63	-0.30	0.07	-1.27	-0.77	-0.93	0.11	0.71	
Sanchez, Arthur	0.56	-0.97	-0.48	0.42	-0.67	-0.10	-0.42	-0.02	
Viera, Ralph B.	0.30	0.30	1.08	1.27	0.83	-0.27	1.27	0.68	
Lonsway, Chris	-0.58	0.62	-1.33	1.55	-1.37	-1.11	-0.22	-1.88	
Avis, Steven	-0.47	0.19	-0.37	-0.14	-0.58	-0.36	-0.83	-0.59	
Greenland, Paul	1.40	-0.35	0.04	-0.14	-0.78	-0.72	-1.02	0.46	
May, Marianne	0.05	1.68	2.42	-1.27	0.41	0.50	2.45	1.99	
Langford, Mike	0.59	1.11	-0.89	-0.42	1.52	0.74	-0.39	-1.62	
Lopez, Frank	-1.04	0.56	-0.88	0.99	1.24	-0.49	0.58	-0.36	
Hill, Howard P.	0.89	-1.15	0.83	-0.42	-1.36	-0.93	-1.15	0.39	
Seiz, Ray	-1.30	1.75	-0.73	0.00	0.34	0.98	-0.23	0.29	
Hills, Barry	-1.44	-0.86	0.07	1.27	-0.02	0.19	-0.61	-0.07	
Gutzwiller, Jim	1.64	0.92	0.15	1.27	1.22	2.50	0.46	0.02	
MAXIMUM	1.64	-1.75	2.42	-1.55	1.52	2.50	2.45	1.99	
MINIMUM	0.05	0.19	0.04	0.00	-0.02	-0.10	0.11	-0.02	
RANGE(MAX-MIN)	1.588	-1.934	2.379	-1.551	1.543	2.602	2.339	2.004	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Lonsway, Chris	25.00	14.58	1.63	1.06	3.86	44.23	1.75	1.28	8.00	5.00	0.00	0.00	
Barrera, Tony	25.00	13.42	0.76	0.61	3.28	37.60	0.97	1.27	10.00	5.00	0.00	0.00	
Sanchez, Arthur	25.75	11.71	0.46	0.91	2.86	46.32	1.05	1.47	21.00	4.00	0.00	0.00	
Viera, Ralph B.	27.00	13.70	1.29	0.78	5.17	40.41	1.27	1.58	12.00	6.00	0.00	0.00	
Foecking, Brian	25.00	14.90	1.26	1.33	2.56	41.13	1.23	1.02	8.00	4.00	0.00	0.00	
Avis, Steven	25.00	14.63	1.60	1.07	3.61	45.55	1.68	1.23	7.00	3.00	0.00	0.00	
Kobrinetz, Joaquin J.	25.00	14.56	0.52	0.44	3.11	43.58	0.85	1.14	11.00	4.00	0.00	0.00	
May, Marianne	25.00	16.56	0.62	0.68	1.96	36.94	0.90	0.98	8.00	10.00	0.00	0.00	
Clapperty, Leon	25.02	11.26	0.76	0.50	2.19	41.35	0.84	0.78	18.00	7.00	0.00	0.00	
Greenland, Paul	27.50	11.80	0.97	0.87	1.75	47.90	0.98	1.70	12.00	14.00	0.00	0.00	
Lopez, Frank	25.00	16.89	1.36	0.78	4.28	39.12	1.61	1.45	16.00	5.00	0.00	0.00	
Seiz, Ray	25.00	13.39	0.40	0.51	2.59	41.91	1.09	1.21	7.00	2.00	0.00	0.00	
Langford, Mike	27.50	11.84	0.59	0.80	2.32	38.55	0.84	1.63	20.00	10.00	0.00	0.00	
Hill, Howard P.	26.25	8.60	1.45	1.03	2.61	39.37	1.77	1.38	10.00	11.00	0.00	0.00	
Hills, Barry	25.00	16.88	0.34	0.45	1.98	37.83	0.80	0.47	9.00	7.00	0.00	0.00	
Schakel, J.J.	27.50	12.27	1.12	0.58	1.28	50.91	1.10	1.34	0.00	5.00	0.00	0.00	
Gutzwiller, Jim	26.50	21.33	1.33	1.34	3.08	53.88	2.10	1.30	2.00	19.00	0.00	0.00	
MAXIMUM	27.50	21.33	1.63	1.34	5.17	53.88	2.10	1.70	21.00	19.00	0.00	0.00	
MINIMUM	25.00	8.60	0.34	0.44	1.28	36.94	0.80	0.47	0.00	2.00	0.00	0.00	
RANGE(MAX-MIN)	2.500	12.730	1.290	0.900	3.890	16.940	1.300	1.230	21.000	17.000	0.000	0.000	
MEAN	25.766	14.019	0.968	0.808	2.852	42.740	1.225	1.249	10.529	7.118	0.000	0.000	
STANDARD DEVIATION	1.035	2.894	0.440	0.286	0.984	4.860	0.404	0.310	5.702	4.414	0.000	0.000	

Part ID= A2 - KEYSTONE

A2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Lonsway, Chris	-0.74	0.19	1.51	0.88	1.02	0.31	1.30	0.10	-0.44	-0.48	0.00	0.00	
Barrera, Tony	-0.74	-0.21	-0.47	-0.69	0.43	-1.06	-0.63	0.07	-0.09	-0.48	0.00	0.00	
Sanchez, Arthur	-0.02	-0.80	-1.16	0.36	0.01	0.74	-0.43	0.71	1.84	-0.71	0.00	0.00	
Viera, Ralph B.	1.19	-0.11	0.73	-0.10	2.36	-0.48	0.11	1.07	0.26	-0.25	0.00	0.00	
Foecking, Brian	-0.74	0.30	0.66	1.83	-0.30	-0.33	0.01	-0.74	-0.44	-0.71	0.00	0.00	
Avis, Steven	-0.74	0.21	1.44	0.92	0.77	0.58	1.13	-0.06	-0.62	-0.93	0.00	0.00	
Kobrinetz, Joaquin J.	-0.74	0.19	-1.02	-1.29	0.26	0.17	-0.93	-0.35	0.08	-0.71	0.00	0.00	
May, Marianne	-0.74	0.88	-0.79	-0.45	-0.91	-1.19	-0.81	-0.87	-0.44	0.65	0.00	0.00	
Clapperty, Leon	-0.72	-0.95	-0.47	-1.08	-0.67	-0.29	-0.95	-1.51	1.31	-0.03	0.00	0.00	
Greenland, Paul	1.67	-0.77	0.00	0.22	-1.12	1.06	-0.61	1.45	0.26	1.56	0.00	0.00	
Lopez, Frank	-0.74	0.99	0.89	-0.10	1.45	-0.74	0.95	0.65	0.96	-0.48	0.00	0.00	
Seiz, Ray	-0.74	-0.22	-1.29	-1.04	-0.27	-0.17	-0.34	-0.13	-0.62	-1.16	0.00	0.00	
Langford, Mike	1.67	-0.75	-0.86	-0.03	-0.54	-0.86	-0.95	1.23	1.66	0.65	0.00	0.00	
Hill, Howard P.	0.47	-1.87	1.10	0.78	-0.25	-0.69	1.35	0.42	-0.09	0.88	0.00	0.00	
Hills, Barry	-0.74	0.99	-1.43	-1.25	-0.89	-1.01	-1.05	-2.51	-0.27	-0.03	0.00	0.00	
Schakel, J.J.	1.67	-0.60	0.35	-0.80	-1.60	1.68	-0.31	0.29	-1.85	-0.48	0.00	0.00	
Gutzwiller, Jim	0.71	2.53	0.82	1.86	0.23	2.29	2.17	0.16	-1.50	2.69	0.00	0.00	
MAXIMUM	1.67	2.53	1.51	1.86	2.36	2.29	2.17	-2.51	-1.85	2.69	0.00	0.00	
MINIMUM	-0.02	-0.11	0.00	-0.03	0.01	-0.17	0.01	-0.06	0.08	-0.03	0.00	0.00	
RANGE(MAX-MIN)	1.690	2.637	1.501	1.889	2.348	2.463	2.155	-2.448	-1.929	2.719	0.000	0.000	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A1 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Barrera, Tony	57.69	12.60	0.05	0.09	21.05	0.99	0.54	62.00	
Sanchez, Arthur	48.05	12.67	0.30	0.20	23.48	0.69	0.75	65.00	
Viera, Ralph B.	58.35	12.65	0.24	0.15	17.89	1.33	1.24	60.00	
Cales, Jonathon	57.02	11.56	0.10	0.10	19.89	1.95	1.97	49.00	
Lonsway, Chris	47.42	11.71	0.15	0.10	20.64	0.85	1.02	56.00	
Kobrinetz, Joaquin J.	54.54	12.83	0.11	0.16	18.73	0.51	0.47	58.00	
Foecking, Brian	57.83	13.96	0.02	0.01	21.67	0.90	0.98	62.00	
Clapperty, Leon	59.27	10.69	0.33	0.21	20.25	0.85	0.62	62.00	
Greenland, Paul	67.44	12.20	0.20	0.25	15.07	1.11	1.28	64.00	
Seiz, Ray	69.60	10.88	0.20	0.21	14.40	0.94	1.07	69.00	
May, Marianne	61.65	13.78	0.33	0.28	25.10	0.88	0.90	66.00	
Sherrod, Jeff	59.84	10.95	0.30	0.10	18.18	1.35	0.94	70.00	
Lopez, Frank	67.35	12.32	0.20	0.10	16.58	1.40	1.21	61.00	
Langford, Mike	68.98	15.64	0.30	0.20	16.87	1.29	0.98	65.00	
Gutzwiller, Jim	69.33	9.61	0.27	0.26	39.83	2.00	2.01	68.00	
Schakel, J.J.	64.33	12.22	0.21	0.20	43.74	0.96	1.25	57.00	
Hill, Howard P.	58.82	9.45	0.29	0.12	16.68	0.88	0.52	64.00	
Hills, Barry	63.38	12.48	0.10	0.10	16.21	0.31	0.24	62.00	
Kasimirsky, Michael	67.98	11.95	0.10	0.05	42.00	2.05	1.74	65.00	
MAXIMUM	69.60	15.64	0.33	0.28	43.74	2.05	2.01	70.00	
MINIMUM	47.42	9.45	0.02	0.01	14.40	0.31	0.24	49.00	
RANGE(MAX-MIN)	22.180	6.190	0.310	0.270	29.340	1.740	1.770	21.000	
MEAN	60.993	12.113	0.200	0.152	22.540	1.118	1.038	62.368	
STANDARD DEVIATION	6.673	1.471	0.098	0.075	9.045	0.479	0.486	4.991	

Part ID= A1 - SQUARE CUT

A1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Barrera, Tony	-0.50	0.33	-1.53	-0.83	-0.16	-0.27	-1.03	-0.07	
Sanchez, Arthur	-1.94	0.38	1.02	0.64	0.10	-0.89	-0.59	0.53	
Viera, Ralph B.	-0.40	0.37	0.41	-0.03	-0.51	0.44	0.41	-0.47	
Cales, Jonathon	-0.60	-0.38	-1.02	-0.70	-0.29	1.74	1.92	-2.68	
Lonsway, Chris	-2.03	-0.27	-0.51	-0.70	-0.21	-0.56	-0.04	-1.28	
Kobrinetz, Joaquin J.	-0.97	0.49	-0.92	0.11	-0.42	-1.27	-1.17	-0.88	
Foecking, Brian	-0.47	1.26	-1.83	-1.90	-0.10	-0.45	-0.12	-0.07	
Clapperty, Leon	-0.26	-0.97	1.32	0.78	-0.25	-0.56	-0.86	-0.07	
Greenland, Paul	0.97	0.06	0.00	1.31	-0.83	-0.02	0.50	0.33	
Seiz, Ray	1.29	-0.84	0.00	0.78	-0.90	-0.37	0.07	1.33	
May, Marianne	0.10	1.13	1.32	1.71	0.28	-0.50	-0.28	0.73	
Sherrod, Jeff	-0.17	-0.79	1.02	-0.70	-0.48	0.48	-0.20	1.53	
Lopez, Frank	0.95	0.14	0.00	-0.70	-0.66	0.59	0.35	-0.27	
Langford, Mike	1.20	2.40	1.02	0.64	-0.63	0.36	-0.12	0.53	
Gutzwiller, Jim	1.25	-1.70	0.71	1.45	1.91	1.84	2.00	1.13	
Schakel, J.J.	0.50	0.07	0.10	0.64	2.34	-0.33	0.44	-1.08	
Hill, Howard P.	-0.33	-1.81	0.92	-0.43	-0.65	-0.50	-1.07	0.33	
Hills, Barry	0.36	0.25	-1.02	-0.70	-0.70	-1.69	-1.64	-0.07	
Kasimirsky, Michael	1.05	-0.11	-1.02	-1.37	2.15	1.95	1.44	0.53	
MAXIMUM	-2.03	2.40	-1.83	-1.90	2.34	1.95	2.00	-2.68	
MINIMUM	0.10	0.06	0.00	-0.03	-0.10	-0.02	-0.04	-0.07	
RANGE(MAX-MIN)	-2.132	2.339	-1.831	-1.875	2.440	1.962	2.037	-2.605	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= A6 - ARTICULATED 2-PIECE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Sanchez, Arthur	25.86	10.65	1.32	7.20	4.35	17.07	8.08	1.48	0.65	21.00	5.00	7.00	2.00
Barrera, Tony	25.00	8.71	0.78	1.80	1.60	20.99	7.69	1.39	0.40	10.00	5.00	5.00	1.00
Viera, Ralph B.	25.25	10.62	2.25	4.35	6.90	21.84	8.17	2.08	1.10	10.00	7.00	6.00	1.00
Kobrinetz, Joaquin J.	25.25	10.94	1.35	6.12	3.30	18.12	8.90	1.28	0.51	11.00	6.00	3.00	4.00
Lonsway, Chris	25.00	7.58	1.50	1.50	1.50	11.90	7.28	1.40	0.52	7.00	4.00	1.00	1.00
Avis, Steven	25.00	7.76	1.55	6.90	7.50	11.13	8.55	1.36	0.53	5.00	6.00	0.00	0.00
Clapperty, Leon	33.50	10.19	1.13	3.30	4.20	20.43	4.61	1.02	0.49	22.00	12.00	9.00	1.00
Greenland, Paul	25.00	7.98	1.83	6.60	7.21	17.43	6.44	2.00	0.85	6.00	9.00	2.00	1.00
Sherrod, Jeff	26.00	8.45	1.50	3.00	4.35	26.76	7.00	2.05	0.60	25.00	5.00	3.00	2.00
May, Marianne	25.00	12.95	2.34	6.90	2.70	18.23	9.51	1.82	0.50	8.00	6.00	5.00	1.00
Langford, Mike	25.50	14.44	1.65	1.80	1.80	22.80	6.67	1.60	0.66	20.00	12.00	10.00	1.00
Seiz, Ray	25.00	6.76	1.54	3.76	4.20	22.35	7.92	1.35	1.19	2.00	4.00	3.00	1.00
Gutzwiller, Jim	26.25	9.78	2.55	7.20	1.50	20.12	7.99	2.75	1.50	2.00	5.00	11.00	1.00
Lopez, Frank	25.00	8.63	1.26	1.80	3.76	21.76	7.93	1.35	0.40	11.00	2.00	4.00	0.00
Hills, Barry	25.00	9.22	1.76	6.76	4.96	13.81	6.34	1.83	0.33	10.00	5.00	4.00	0.00
Hill, Howard P.	24.36	5.39	1.77	1.13	1.50	12.50	5.87	1.78	0.31	9.00	7.00	3.00	1.00
MAXIMUM	33.50	14.44	2.55	7.20	7.50	26.76	9.51	2.75	1.50	25.00	12.00	11.00	4.00
MINIMUM	24.36	5.39	0.78	1.13	1.50	11.13	4.61	1.02	0.31	2.00	2.00	0.00	0.00
RANGE(MAX-MIN)	9.140	9.050	1.770	6.070	6.000	15.630	4.900	1.730	1.190	23.000	10.000	11.000	4.000
MEAN	25.748	9.378	1.630	4.383	3.833	18.578	7.434	1.659	0.659	11.188	6.250	4.750	1.125
STANDARD DEVIATION	2.119	2.269	0.458	2.374	2.055	4.435	1.236	0.425	0.337	7.083	2.720	3.152	0.957

Part ID= A6 - ARTICULATED 2-PIECE

A6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Sanchez, Arthur	0.05	0.56	-0.68	1.19	0.25	-0.34	0.52	-0.42	-0.03	1.39	-0.46	0.71	0.91
Barrera, Tony	-0.35	-0.29	-1.86	-1.09	-1.09	0.54	0.21	-0.63	-0.77	-0.17	-0.46	0.08	-0.13
Viera, Ralph B.	-0.24	0.55	1.35	-0.01	1.49	0.74	0.60	0.99	1.31	-0.17	0.28	0.40	-0.13
Kobrinetz, Joaquin J.	-0.24	0.69	-0.61	0.73	-0.26	-0.10	1.19	-0.89	-0.44	-0.03	-0.09	-0.56	3.00
Lonsway, Chris	-0.35	-0.79	-0.28	-1.21	-1.14	-1.51	-0.12	-0.61	-0.41	-0.59	-0.83	-1.19	-0.13
Avis, Steven	-0.35	-0.71	-0.17	1.06	1.78	-1.68	0.90	-0.70	-0.38	-0.87	-0.09	-1.51	-1.18
Clapperty, Leon	3.66	0.36	-1.09	-0.46	0.18	0.42	-2.28	-1.50	-0.50	1.53	2.11	1.35	-0.13
Greenland, Paul	-0.35	-0.62	0.44	0.93	1.64	-0.26	-0.80	0.80	0.57	-0.73	1.01	-0.87	-0.13
Sherrod, Jeff	0.12	-0.41	-0.28	-0.58	0.25	1.84	-0.35	0.92	-0.17	1.95	-0.46	-0.56	0.91
May, Marianne	-0.35	1.57	1.55	1.06	-0.55	-0.08	1.68	0.38	-0.47	-0.45	-0.09	0.08	-0.13
Langford, Mike	-0.12	2.23	0.04	-1.09	-0.99	0.95	-0.62	-0.14	0.00	1.24	2.11	1.67	-0.13
Seiz, Ray	-0.35	-1.15	-0.20	-0.26	0.18	0.85	0.39	-0.73	1.58	-1.30	-0.83	-0.56	-0.13
Gutzwiller, Jim	0.24	0.18	2.01	1.19	-1.14	0.35	0.45	2.57	2.50	-1.30	-0.46	1.98	-0.13
Lopez, Frank	-0.35	-0.33	-0.81	-1.09	-0.04	0.72	0.40	-0.73	-0.77	-0.03	-1.56	-0.24	-1.18
Hills, Barry	-0.35	-0.07	0.28	1.00	0.55	-1.07	-0.89	0.40	-0.98	-0.17	-0.46	-0.24	-1.18
Hill, Howard P.	-0.65	-1.76	0.31	-1.37	-1.14	-1.37	-1.27	0.29	-1.04	-0.31	0.28	-0.56	-0.13
MAXIMUM	3.66	2.23	2.01	-1.37	1.78	1.84	-2.28	2.57	2.50	1.95	2.11	1.98	3.00
MINIMUM	0.05	-0.07	0.04	-0.01	-0.04	-0.08	-0.12	-0.14	0.00	-0.03	-0.09	0.08	-0.13
RANGE(MAX-MIN)	3.605	2.300	1.966	-1.357	1.820	1.923	-2.160	2.704	2.495	1.977	2.206	1.904	3.133
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C5 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Viera, Ralph B.	36.25	11.89	1.69	29.88	1.97	6.38	0.58	0.02	
Avis, Steven	25.00	12.75	1.46	28.55	2.38	5.95	0.84	0.10	
Kobrinetz, Joaquin J.	27.25	12.48	1.33	27.25	2.18	6.90	0.56	0.10	
Castillo, George	28.75	12.69	1.85	25.52	2.46	6.22	0.76	0.00	
Cales, Jonathon	28.75	10.50	2.47	20.00	2.72	5.66	0.83	0.05	
Foecking, Brian	34.75	11.46	1.56	28.09	2.52	6.89	0.61	0.02	
Shoda, Ronald	28.00	10.90	1.82	26.06	3.10	7.08	0.80	0.10	
Langford, Mike	32.50	11.97	2.29	34.42	2.74	7.00	1.41	0.10	
Pitta, Jimmy	25.00	7.39	2.48	24.02	2.92	7.10	1.05	0.00	
Hill, Howard P.	28.00	6.22	1.67	21.12	2.95	5.50	0.62	0.00	
Trevino, Bobby	24.52	11.69	2.13	18.60	2.44	6.45	0.48	0.12	
Schakel, J.J.	29.50	12.44	2.15	27.35	2.71	5.65	0.88	0.29	
May, Marianne	27.25	13.52	1.45	21.53	2.71	6.80	0.76	0.06	
Hurst, Kevin R.	39.25	11.19	2.22	21.11	2.33	7.00	0.69	0.20	
Richerson, Jay	31.75	5.72	2.12	22.63	2.41	6.97	1.35	0.10	
Lee, Manuel	32.51	9.30	2.54	39.56	3.45	5.80	1.20	0.00	
Guarda, Waldyr	34.12	6.37	1.21	23.52	2.34	5.65	0.80	0.20	
MAXIMUM	39.25	13.52	2.54	39.56	3.45	7.10	1.41	0.29	
MINIMUM	24.52	5.72	1.21	18.60	1.97	5.50	0.48	0.00	
RANGE(MAX-MIN)	14.730	7.800	1.330	20.960	1.480	1.600	0.930	0.290	
MEAN	30.185	10.499	1.908	25.836	2.608	6.412	0.836	0.086	
STANDARD DEVIATION	4.226	2.538	0.426	5.384	0.363	0.598	0.271	0.083	

Part ID= C5 - SEQUENCE III

C5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THTOT	ATTOT	
Viera, Ralph B.	1.44	0.55	-0.51	0.75	-1.76	-0.05	-0.95	-0.79	
Avis, Steven	-1.23	0.89	-1.05	0.50	-0.63	-0.77	0.01	0.17	
Kobrinetz, Joaquin J.	-0.69	0.78	-1.36	0.26	-1.18	0.82	-1.02	0.17	
Castillo, George	-0.34	0.86	-0.14	-0.06	-0.41	-0.32	-0.28	-1.04	
Cales, Jonathon	-0.34	0.00	1.32	-1.08	0.31	-1.26	-0.02	-0.43	
Foecking, Brian	1.08	0.38	-0.82	0.42	-0.24	0.80	-0.84	-0.79	
Shoda, Ronald	-0.52	0.16	-0.21	0.04	1.36	1.12	-0.13	0.17	
Langford, Mike	0.55	0.58	0.90	1.59	0.36	0.98	2.12	0.17	
Pitta, Jimmy	-1.23	-1.22	1.34	-0.34	0.86	1.15	0.79	-1.04	
Hill, Howard P.	-0.52	-1.69	-0.56	-0.88	0.94	-1.52	-0.80	-1.04	
Trevino, Bobby	-1.34	0.47	0.52	-1.34	-0.46	0.06	-1.32	0.41	
Schakel, J.J.	-0.16	0.76	0.57	0.28	0.28	-1.27	0.16	2.46	
May, Marianne	-0.69	1.19	-1.08	-0.80	0.28	0.65	-0.28	-0.31	
Hurst, Kevin R.	2.15	0.27	0.73	-0.88	-0.77	0.98	-0.54	1.38	
Richerson, Jay	0.37	-1.88	0.50	-0.60	-0.55	0.93	1.89	0.17	
Lee, Manuel	0.55	-0.47	1.48	2.55	2.32	-1.02	1.34	-1.04	
Guarda, Waldyr	0.93	-1.63	-1.64	-0.43	-0.74	-1.27	-0.13	1.38	
MAXIMUM	2.15	-1.88	-1.64	2.55	2.32	-1.52	2.12	2.46	
MINIMUM	-0.16	0.00	-0.14	0.04	-0.24	-0.05	0.01	0.17	
RANGE(MAX-MIN)	2.307	-1.883	-1.502	2.508	2.564	-1.471	2.103	2.291	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C4 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Kobrinetz, Joaquin J.	40.55	7.61	0.16	0.18	8.81	0.30	0.20	43.00	
Avis, Steven	46.52	9.87	0.32	0.24	9.83	0.30	0.23	52.00	
Viera, Ralph B.	43.84	12.68	0.73	0.40	9.69	0.77	0.76	49.00	
Foecking, Brian	41.33	8.71	0.04	0.00	11.69	0.20	0.09	44.00	
Castillo, George	45.73	15.55	0.26	0.17	10.17	1.30	0.98	51.00	
Cales, Jonathon	45.27	18.16	0.33	0.17	8.44	0.30	0.25	35.00	
Shoda, Ronald	42.30	5.63	0.64	0.20	10.13	0.40	0.30	37.00	
Langford, Mike	47.21	8.77	0.41	0.35	10.78	0.41	0.34	47.00	
Sherrod, Jeff	46.55	4.83	0.22	0.10	10.52	1.00	0.62	50.00	
Hill, Howard P.	35.72	8.19	0.28	0.13	7.72	0.18	0.15	49.00	
Pitta, Jimmy	47.48	11.08	0.01	0.02	8.06	0.58	0.50	40.00	
Stremlow, Mike	48.19	9.16	0.56	0.90	10.21	0.92	0.25	56.00	
Schakel, J.J.	49.07	8.02	0.22	0.24	10.63	0.20	0.20	37.00	
Lee, Manuel	38.97	6.78	5.91	0.46	19.30	1.24	0.80	38.00	
Hurst, Kevin R.	44.81	8.09	0.22	0.24	9.25	0.32	0.26	48.00	
Guarda, Waldyr	49.74	7.87	0.30	0.30	11.17	0.60	0.50	59.00	
Zalewski, John	48.20	18.85	0.30	0.11	19.26	0.30	0.22	54.00	
May, Marianne	42.70	7.77	0.23	0.19	11.22	0.45	0.33	47.00	
MAXIMUM	49.74	18.85	5.91	0.90	19.30	1.30	0.98	59.00	
MINIMUM	35.72	4.83	0.01	0.00	7.72	0.18	0.09	35.00	
RANGE(MAX-MIN)	14.020	14.020	5.900	0.900	11.580	1.120	0.890	24.000	
MEAN	44.677	9.868	0.619	0.244	10.938	0.543	0.388	46.444	
STANDARD DEVIATION	3.786	3.985	1.333	0.202	3.227	0.357	0.251	6.972	

Part ID= C4 - SQUARE CUT

C4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Kobrinetz, Joaquin J.	-1.09	-0.57	-0.34	-0.32	-0.66	-0.68	-0.75	-0.49	
Avis, Steven	0.49	0.00	-0.22	-0.02	-0.34	-0.68	-0.63	0.80	
Viera, Ralph B.	-0.22	0.71	0.08	0.77	-0.39	0.64	1.48	0.37	
Foecking, Brian	-0.88	-0.29	-0.43	-1.21	0.23	-0.96	-1.18	-0.35	
Castillo, George	0.28	1.43	-0.27	-0.37	-0.24	2.12	2.36	0.65	
Cales, Jonathon	0.16	2.08	-0.22	-0.37	-0.77	-0.68	-0.55	-1.64	
Shoda, Ronald	-0.63	-1.06	0.02	-0.22	-0.25	-0.40	-0.35	-1.35	
Langford, Mike	0.67	-0.28	-0.16	0.52	-0.05	-0.37	-0.19	0.08	
Sherrod, Jeff	0.49	-1.26	-0.30	-0.71	-0.13	1.28	0.92	0.51	
Hill, Howard P.	-2.37	-0.42	-0.25	-0.57	-1.00	-1.02	-0.95	0.37	
Pitta, Jimmy	0.74	0.30	-0.46	-1.11	-0.89	0.10	0.45	-0.92	
Stremlow, Mike	0.93	-0.18	-0.04	3.24	-0.23	1.06	-0.55	1.37	
Schakel, J.J.	1.16	-0.46	-0.30	-0.02	-0.10	-0.96	-0.75	-1.35	
Lee, Manuel	-1.51	-0.77	3.97	1.06	2.59	1.95	1.64	-1.21	
Hurst, Kevin R.	0.04	-0.45	-0.30	-0.02	-0.52	-0.62	-0.51	0.22	
Guarda, Waldyr	1.34	-0.50	-0.24	0.27	0.07	0.16	0.45	1.80	
Zalewski, John	0.93	2.25	-0.24	-0.66	2.58	-0.68	-0.67	1.08	
May, Marianne	-0.52	-0.53	-0.29	-0.27	0.09	-0.26	-0.23	0.08	
MAXIMUM	-2.37	2.25	3.97	3.24	2.59	2.12	2.36	1.80	
MINIMUM	0.04	0.00	0.02	-0.02	-0.05	0.10	-0.19	0.08	
RANGE(MAX-MIN)	-2.401	2.254	3.953	3.259	2.641	2.017	2.545	1.721	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C3 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Kobrinetz, Joaquin J.	55.39	9.92	1.89	7.42	26.53	34.69	2.24	1.89	
Avis, Steven	56.50	11.00	1.65	4.50	28.00	36.18	2.48	1.08	
Viera, Ralph B.	53.60	11.26	2.74	5.56	29.93	31.43	2.56	1.36	
Castillo, George	51.63	11.17	2.28	2.41	22.39	28.94	2.94	1.96	
Cales, Jonathon	49.33	6.47	0.78	1.95	27.32	32.68	2.05	1.08	
Langford, Mike	60.14	10.93	0.93	1.50	30.41	38.10	2.21	0.72	
Schakel, J.J.	54.67	9.78	1.07	1.58	26.53	51.03	2.76	1.10	
Hill, Howard P.	55.06	6.04	1.45	1.95	24.88	32.50	2.31	1.23	
Pitta, Jimmy	59.89	11.34	0.56	0.91	27.74	38.68	2.43	1.33	
Zalewski, John	60.33	8.39	0.52	2.05	24.39	40.00	0.94	0.52	
Hurst, Kevin R.	59.68	9.90	1.16	2.56	26.90	43.32	2.78	1.38	
Lee, Manuel	57.89	10.55	2.00	6.90	26.38	38.81	2.37	1.15	
Guarda, Waldyr	39.54	9.65	0.75	3.60	28.23	34.94	2.27	0.81	
MAXIMUM	60.33	11.34	2.74	7.42	30.41	51.03	2.94	1.96	
MINIMUM	39.54	6.04	0.52	0.91	22.39	28.94	0.94	0.52	
RANGE(MAX-MIN)	20.790	5.300	2.220	6.510	8.020	22.090	2.000	1.440	
MEAN	54.896	9.723	1.368	3.299	26.895	37.023	2.334	1.201	
STANDARD DEVIATION	5.743	1.752	0.701	2.141	2.172	5.761	0.490	0.410	

Part ID= C3 - C13-STYLE

C3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Kobrinetz, Joaquin J.	0.09	0.11	0.75	1.92	-0.17	-0.41	-0.19	1.68	
Avis, Steven	0.28	0.73	0.40	0.56	0.51	-0.15	0.30	-0.29	
Viera, Ralph B.	-0.23	0.88	1.96	1.06	1.40	-0.97	0.46	0.39	
Castillo, George	-0.57	0.83	1.30	-0.42	-2.07	-1.40	1.24	1.85	
Cales, Jonathon	-0.97	-1.86	-0.84	-0.63	0.20	-0.75	-0.58	-0.29	
Langford, Mike	0.91	0.69	-0.62	-0.84	1.62	0.19	-0.25	-1.17	
Schakel, J.J.	-0.04	0.03	-0.42	-0.80	-0.17	2.43	0.87	-0.25	
Hill, Howard P.	0.03	-2.10	0.12	-0.63	-0.93	-0.79	-0.05	0.07	
Pitta, Jimmy	0.87	0.92	-1.15	-1.12	0.39	0.29	0.20	0.32	
Zalewski, John	0.95	-0.76	-1.21	-0.58	-1.15	0.52	-2.84	-1.66	
Hurst, Kevin R.	0.83	0.10	-0.30	-0.35	0.00	1.09	0.91	0.44	
Lee, Manuel	0.52	0.47	0.90	1.68	-0.24	0.31	0.07	-0.12	
Guarda, Waldyr	-2.67	-0.04	-0.88	0.14	0.61	-0.36	-0.13	-0.95	
MAXIMUM	-2.67	-2.10	1.96	1.92	-2.07	2.43	-2.84	1.85	
MINIMUM	0.03	0.03	0.12	0.14	0.00	-0.15	-0.05	0.07	
RANGE(MAX-MIN)	-2.702	-2.134	1.840	1.784	-2.076	2.578	-2.795	1.781	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Kobrinetz, Joaquin J.	25.25	26.50	0.63	0.29	5.83	32.68	8.62	0.91	11.00	23.00	0.00	1.00	
Avis, Steven	25.25	27.25	1.95	0.29	5.24	30.40	10.20	0.85	5.00	12.00	0.00	0.00	
Castillo, George	25.50	27.25	1.57	0.50	8.74	26.67	9.05	0.90	5.00	25.00	0.00	0.00	
Cales, Jonathon	26.00	28.00	0.15	0.05	2.78	28.00	8.60	1.65	12.00	18.00	0.00	0.00	
Shoda, Ronald	25.50	27.25	0.68	0.20	5.99	34.03	9.93	1.18	10.00	14.00	0.00	0.00	
Pitta, Jimmy	25.50	30.25	0.70	0.03	2.73	30.11	6.47	1.20	2.00	25.00	0.00	0.00	
Hill, Howard P.	15.56	29.50	1.37	0.47	4.39	30.70	8.32	1.34	8.00	42.00	0.00	0.00	
Langford, Mike	25.00	28.00	0.29	0.16	4.40	32.78	10.28	1.53	20.00	30.00	0.00	0.00	
Schakel, J.J.	53.75	28.00	1.02	0.29	5.42	31.47	7.05	0.95	55.00	45.00	2.00	2.00	
Stremlow, Mike	31.00	28.75	0.58	0.10	4.34	36.26	8.56	1.30	12.00	5.00	1.00	3.00	
Zalewski, John	27.75	28.00	0.20	0.05	5.83	34.97	8.54	0.73	8.00	24.00	1.00	0.00	
Lee, Manuel	14.56	28.84	1.10	0.10	3.60	41.53	8.37	2.80	3.00	15.00	1.00	1.00	
Hurst, Kevin R.	26.25	27.25	2.39	0.66	4.52	33.34	9.56	1.67	11.00	8.00	0.00	0.00	
Guarda, Waldyr	21.56	29.50	0.68	0.46	8.13	37.07	11.73	1.01	14.00	22.00	1.00	0.00	
May, Marianne	25.00	25.00	0.86	0.16	3.50	31.17	9.69	0.87	7.00	9.00	0.00	1.00	
MAXIMUM	53.75	30.25	2.39	0.66	8.74	41.53	11.73	2.80	55.00	45.00	2.00	3.00	
MINIMUM	14.56	25.00	0.15	0.03	2.73	26.67	6.47	0.73	2.00	5.00	0.00	0.00	
RANGE(MAX-MIN)	39.190	5.250	2.240	0.630	6.010	14.860	5.260	2.070	53.000	40.000	2.000	3.000	
MEAN	26.229	27.956	0.945	0.254	5.029	32.745	8.998	1.259	12.200	21.133	0.400	0.533	
STANDARD DEVIATION	8.705	1.318	0.641	0.193	1.733	3.735	1.308	0.521	12.701	11.612	0.632	0.915	

Part ID= C2 - KEYSTONE

C2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Kobrinetz, Joaquin J.	-0.11	-1.11	-0.49	0.19	0.46	-0.02	-0.29	-0.67	-0.09	0.16	-0.63	0.51	
Avis, Steven	-0.11	-0.54	1.57	0.19	0.12	-0.63	0.92	-0.79	-0.57	-0.79	-0.63	-0.58	
Castillo, George	-0.08	-0.54	0.98	1.28	2.14	-1.63	0.04	-0.69	-0.57	0.33	-0.63	-0.58	
Cales, Jonathon	-0.03	0.03	-1.24	-1.06	-1.30	-1.27	-0.30	0.75	-0.02	-0.27	-0.63	-0.58	
Shoda, Ronald	-0.08	-0.54	-0.41	-0.28	0.55	0.34	0.71	-0.15	-0.17	-0.61	-0.63	-0.58	
Pitta, Jimmy	-0.08	1.74	-0.38	-1.16	-1.33	-0.71	-1.93	-0.11	-0.80	0.33	-0.63	-0.58	
Hill, Howard P.	-1.23	1.17	0.66	1.12	-0.37	-0.55	-0.52	0.15	-0.33	1.80	-0.63	-0.58	
Langford, Mike	-0.14	0.03	-1.02	-0.49	-0.36	0.01	0.98	0.52	0.61	0.76	-0.63	-0.58	
Schakel, J.J.	3.16	0.03	0.12	0.19	0.23	-0.34	-1.49	-0.59	3.37	2.06	2.53	1.60	
Stremlow, Mike	0.55	0.60	-0.57	-0.80	-0.40	0.94	-0.33	0.08	-0.02	-1.39	0.95	2.69	
Zalewski, John	0.17	0.03	-1.16	-1.06	0.46	0.60	-0.35	-1.02	-0.33	0.25	0.95	-0.58	
Lee, Manuel	-1.34	0.67	0.24	-0.80	-0.82	2.35	-0.48	2.96	-0.72	-0.53	0.95	0.51	
Hurst, Kevin R.	0.00	-0.54	2.25	2.11	-0.29	0.16	0.43	0.79	-0.09	-1.13	-0.63	-0.58	
Guarda, Waldyr	-0.54	1.17	-0.41	1.07	1.79	1.16	2.09	-0.48	0.14	0.07	0.95	-0.58	
May, Marianne	-0.14	-2.24	-0.13	-0.49	-0.88	-0.42	0.53	-0.75	-0.41	-1.04	-0.63	0.51	
MAXIMUM	3.16	-2.24	2.25	2.11	2.14	2.35	2.09	2.96	3.37	2.06	2.53	2.69	
MINIMUM	0.00	0.03	0.12	0.19	0.12	0.01	0.04	0.08	-0.02	0.07	-0.63	0.51	
RANGE(MAX-MIN)	3.159	-2.277	2.137	1.920	2.019	2.342	2.049	2.881	3.386	1.981	3.162	2.185	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C1 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Avis, Steven	10.39	2.99	0.58	0.40	10.66	1.33	0.40	2.00	
Kobrinetz, Joaquin J.	9.10	2.05	0.19	0.09	10.71	1.03	0.35	1.00	
Castillo, George	8.87	2.48	0.72	0.20	9.02	1.81	0.68	5.00	
Cales, Jonathon	10.02	3.60	0.20	0.10	9.59	1.50	0.39	8.00	
Shoda, Ronald	9.27	4.72	0.30	0.10	9.43	1.93	0.56	7.00	
Viera, Ralph B.	8.66	3.68	1.16	0.20	9.45	1.46	0.77	1.00	
Hill, Howard P.	6.76	1.33	0.37	0.03	7.89	1.40	0.60	2.00	
Langford, Mike	11.65	5.25	0.36	0.20	10.81	1.15	0.39	10.00	
Schakel, J.J.	13.14	3.72	0.36	0.20	11.76	1.98	0.58	4.00	
Clapperty, Leon	11.41	2.87	0.76	0.22	8.24	0.84	0.34	2.00	
Pitta, Jimmy	9.59	2.18	0.16	0.00	8.10	1.80	0.51	4.00	
Stremlow, Mike	9.19	2.05	0.83	0.00	11.92	1.35	0.96	4.00	
Hurst, Kevin R.	10.14	2.99	0.40	0.20	9.75	1.13	0.45	4.00	
Zalewski, John	9.92	3.35	0.30	0.10	14.95	2.03	0.69	6.00	
May, Marianne	14.29	3.30	0.23	0.02	10.04	1.17	0.51	5.00	
Guarda, Waldyr	11.45	5.25	0.40	0.30	9.80	1.47	0.67	9.00	
Rodriguez, Jesus (Jesse)	12.88	2.82	0.70	0.10	8.01	1.72	0.43	6.00	
Lee, Manuel	12.80	3.90	0.60	0.10	16.00	2.35	1.20	17.00	
Richerson, Jay	8.55	3.09	0.43	0.10	4.60	1.79	0.35	2.00	
MAXIMUM	14.29	5.25	1.16	0.40	16.00	2.35	1.20	17.00	
MINIMUM	6.76	1.33	0.16	0.00	4.60	0.84	0.34	1.00	
RANGE(MAX-MIN)	7.530	3.920	1.000	0.400	11.400	1.510	0.860	16.000	
MEAN	10.425	3.243	0.476	0.140	10.038	1.539	0.570	5.211	
STANDARD DEVIATION	1.912	1.052	0.263	0.104	2.528	0.394	0.225	3.881	

Part ID= C1 - SQUARE CUT

C1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Avis, Steven	-0.02	-0.24	0.39	2.50	0.25	-0.53	-0.76	-0.83	
Kobrinetz, Joaquin J.	-0.69	-1.13	-1.09	-0.48	0.27	-1.29	-0.98	-1.08	
Castillo, George	-0.81	-0.73	0.93	0.58	-0.40	0.69	0.49	-0.05	
Cales, Jonathon	-0.21	0.34	-1.05	-0.38	-0.18	-0.10	-0.80	0.72	
Shoda, Ronald	-0.60	1.40	-0.67	-0.38	-0.24	0.99	-0.04	0.46	
Viera, Ralph B.	-0.92	0.42	2.60	0.58	-0.23	-0.20	0.89	-1.08	
Hill, Howard P.	-1.92	-1.82	-0.40	-1.06	-0.85	-0.35	0.13	-0.83	
Langford, Mike	0.64	1.91	-0.44	0.58	0.31	-0.99	-0.80	1.23	
Schakel, J.J.	1.42	0.45	-0.44	0.58	0.68	1.12	0.04	-0.31	
Clapperty, Leon	0.52	-0.35	1.08	0.77	-0.71	-1.77	-1.02	-0.83	
Pitta, Jimmy	-0.44	-1.01	-1.20	-1.34	-0.77	0.66	-0.27	-0.31	
Stremlow, Mike	-0.65	-1.13	1.35	-1.34	0.74	-0.48	1.73	-0.31	
Hurst, Kevin R.	-0.15	-0.24	-0.29	0.58	-0.11	-1.04	-0.53	-0.31	
Zalewski, John	-0.26	0.10	-0.67	-0.38	1.94	1.25	0.53	0.20	
May, Marianne	2.02	0.05	-0.94	-1.15	0.00	-0.94	-0.27	-0.05	
Guarda, Waldyr	0.54	1.91	-0.29	1.54	-0.09	-0.17	0.44	0.98	
Rodriguez, Jesus (Jesse)	1.28	-0.40	0.85	-0.38	-0.80	0.46	-0.62	0.20	
Lee, Manuel	1.24	0.62	0.47	-0.38	2.36	2.06	2.80	3.04	
Richerson, Jay	-0.98	-0.15	-0.18	-0.38	-2.15	0.64	-0.98	-0.83	
MAXIMUM	2.02	1.91	2.60	2.50	2.36	2.06	2.80	3.04	
MINIMUM	-0.02	0.05	-0.18	-0.38	0.00	-0.10	-0.04	-0.05	
RANGE(MAX-MIN)	2.040	1.854	2.779	2.879	2.358	2.156	2.845	3.092	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B6 - ARTICULATED 2-PIECE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Castillo, George	36.33	11.27	0.20	3.30	6.61	25.80	6.29	3.44	0.52	28.00	3.00	12.00	4.00
Foecking, Brian	34.06	12.45	0.14	2.40	3.91	25.13	6.32	3.62	0.13	17.00	2.00	14.00	6.00
Barrera, Tony	29.25	10.51	0.13	2.40	2.10	31.40	6.84	2.62	0.11	19.00	4.00	12.00	6.00
Shoda, Ronald	33.30	11.52	0.10	3.45	3.91	29.96	7.42	3.52	0.20	20.00	3.00	20.00	8.00
Kobrinetz, Joaquin J.	37.78	13.19	0.30	6.00	5.20	35.85	6.65	2.06	0.42	29.00	3.00	19.00	8.00
Guarda, Waldyr	40.27	12.31	0.38	6.60	4.20	33.42	8.45	3.01	1.04	47.00	11.00	19.00	7.00
Hills, Barry	35.29	15.21	0.12	4.96	5.40	26.46	5.50	2.37	0.11	20.00	2.00	10.00	0.00
Zalewski, John	42.00	12.48	0.13	4.50	5.03	44.17	7.04	1.07	0.10	34.00	3.00	37.00	10.00
Trevino, Bobby	33.12	14.33	1.28	2.70	4.20	26.10	6.28	2.97	1.15	36.00	2.00	12.00	0.00
Stremlow, Mike	58.03	9.40	1.26	5.10	6.31	35.20	12.91	2.26	0.50	49.00	4.00	24.00	10.00
Rodriguez, Jesus (Jesse)	39.00	13.65	0.23	4.50	5.11	27.94	6.16	1.91	0.17	16.00	1.00	10.00	5.00
Richerson, Jay	41.54	10.23	0.88	5.41	6.46	31.63	4.40	1.41	0.15	9.00	2.00	24.00	24.00
Greenland, Paul	38.00	11.85	0.44	4.50	6.60	43.38	5.86	2.03	0.30	39.00	3.00	30.00	3.00
May, Marianne	39.07	14.91	0.41	3.30	6.90	34.98	7.51	2.06	0.34	38.00	4.00	16.00	9.00
Seiz, Ray	29.85	12.58	0.35	4.80	5.40	43.37	8.52	1.55	0.28	26.00	2.00	28.00	0.00
Hill, Howard P.	35.98	10.35	0.13	5.55	5.70	34.90	4.22	1.15	0.15	34.00	3.00	31.00	4.00
MAXIMUM	58.03	15.21	1.28	6.60	6.90	44.17	12.91	3.62	1.15	49.00	11.00	37.00	24.00
MINIMUM	29.25	9.40	0.10	2.40	2.10	25.13	4.22	1.07	0.10	9.00	1.00	10.00	0.00
RANGE(MAX-MIN)	28.780	5.810	1.180	4.200	4.800	19.040	8.690	2.550	1.050	40.000	10.000	27.000	24.000
MEAN	37.679	12.265	0.405	4.342	5.190	33.106	6.898	2.316	0.354	28.813	3.250	19.875	6.500
STANDARD DEVIATION	6.603	1.707	0.390	1.288	1.290	6.346	2.000	0.821	0.320	11.514	2.236	8.374	5.750

Part ID= B6 - ARTICULATED 2-PIECE

B6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Castillo, George	-0.20	-0.58	-0.53	-0.81	1.10	-1.15	-0.30	1.37	0.52	-0.07	-0.11	-0.94	-0.43
Foecking, Brian	-0.55	0.11	-0.68	-1.51	-0.99	-1.26	-0.29	1.59	-0.70	-1.03	-0.56	-0.70	-0.09
Barrera, Tony	-1.28	-1.03	-0.71	-1.51	-2.40	-0.27	-0.03	0.37	-0.76	-0.85	0.34	-0.94	-0.09
Shoda, Ronald	-0.66	-0.44	-0.78	-0.69	-0.99	-0.50	0.26	1.47	-0.48	-0.77	-0.11	0.01	0.26
Kobrinetz, Joaquin J.	0.02	0.54	-0.27	1.29	0.01	0.43	-0.12	-0.31	0.20	0.02	-0.11	-0.10	0.26
Guarda, Waldyr	0.39	0.03	-0.06	1.75	-0.77	0.05	0.78	0.85	2.14	1.58	3.47	-0.10	0.09
Hills, Barry	-0.36	1.73	-0.73	0.48	0.16	-1.05	-0.70	0.07	-0.76	-0.77	-0.56	-1.18	-1.13
Zalewski, John	0.65	0.13	-0.71	0.12	-0.12	1.74	0.07	-1.52	-0.79	0.45	-0.11	2.05	0.61
Trevino, Bobby	-0.69	1.21	2.24	-1.27	-0.77	-1.10	-0.31	0.80	2.48	0.62	-0.56	-0.94	-1.13
Stremlow, Mike	3.08	-1.68	2.19	0.59	0.87	0.33	3.01	-0.07	0.45	1.75	0.34	0.49	0.61
Rodriguez, Jesus (Jesse)	0.20	0.81	-0.45	0.12	-0.06	-0.81	-0.37	-0.49	-0.58	-1.11	-1.01	-1.18	-0.26
Richerson, Jay	0.58	-1.19	1.22	0.83	0.98	-0.23	-1.25	-1.10	-0.64	-1.72	-0.56	0.49	3.04
Greenland, Paul	0.05	-0.24	0.09	0.12	1.09	1.62	-0.52	-0.35	-0.17	0.88	-0.11	1.21	-0.61
May, Marianne	0.21	1.55	0.01	-0.81	1.33	0.30	0.31	-0.31	-0.04	0.80	0.34	-0.46	0.43
Seiz, Ray	-1.19	0.18	-0.14	0.36	0.16	1.62	0.81	-0.93	-0.23	-0.24	-0.56	0.97	-1.13
Hill, Howard P.	-0.26	-1.12	-0.71	0.94	0.40	0.28	-1.34	-1.42	-0.64	0.45	-0.11	1.33	-0.43
MAXIMUM	3.08	1.73	2.24	1.75	-2.40	1.74	3.01	1.59	2.48	1.75	3.47	2.05	3.04
MINIMUM	0.02	0.03	0.01	0.12	0.01	0.05	-0.03	0.07	-0.04	0.02	-0.11	0.01	-0.09
RANGE(MAX-MIN)	3.067	1.699	2.230	1.630	-2.403	1.694	3.035	1.522	2.528	1.737	3.578	2.030	3.130
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B5 - SEQ V PISTONS(TH ONLY)

Rated Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
Foecking, Brian	9.25	9.10	8.79	8.93	9.06	8.83	8.35	8.17	
Castillo, George	9.15	8.74	8.73	8.66	8.67	8.43	8.20	8.20	
Shoda, Ronald	9.20	9.10	9.00	9.10	9.00	8.80	8.60	8.20	
Barrera, Tony	9.09	8.92	8.91	9.06	8.95	8.75	8.40	8.35	
Guarda, Waldyr	8.89	8.70	8.56	8.54	8.60	8.54	8.30	8.11	
Zalewski, John	8.88	8.37	8.16	8.13	8.67	8.32	7.91	7.38	
Rodriguez, Jesus (Jesse)	9.18	8.94	8.81	8.96	8.94	8.74	8.82	8.13	
Stremlow, Mike	8.75	8.68	8.36	8.27	7.72	7.70	7.90	7.60	
Richerson, Jay	8.46	8.04	7.92	8.00	8.13	8.00	7.41	7.88	
Kasimirsky, Michael	8.90	8.61	8.62	8.82	8.78	8.62	8.52	8.69	
Hills, Barry	8.68	8.64	8.29	8.62	8.55	8.45	8.20	8.14	
Trevino, Bobby	9.31	9.15	9.06	8.97	9.11	9.01	8.78	8.70	
Hill, Howard P.	9.62	9.70	9.53	9.55	9.56	9.59	9.07	9.40	
MAXIMUM	9.62	9.70	9.53	9.55	9.56	9.59	9.07	9.40	
MINIMUM	8.46	8.04	7.92	8.00	7.72	7.70	7.41	7.38	
RANGE(MAX-MIN)	1.160	1.660	1.610	1.550	1.840	1.890	1.660	2.020	
MEAN	9.028	8.822	8.672	8.739	8.749	8.598	8.343	8.227	
STANDARD DEVIATION	0.307	0.407	0.426	0.431	0.460	0.464	0.442	0.508	

Part ID= B5 - SEQ V PISTONS(TH ONLY)

B5 YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
Foecking, Brian	0.72	0.68	0.28	0.44	0.68	0.50	0.02	-0.11	
Castillo, George	0.40	-0.20	0.14	-0.18	-0.17	-0.36	-0.32	-0.05	
Shoda, Ronald	0.56	0.68	0.77	0.84	0.54	0.43	0.58	-0.05	
Barrera, Tony	0.20	0.24	0.56	0.74	0.44	0.33	0.13	0.24	
Guarda, Waldyr	-0.45	-0.30	-0.26	-0.46	-0.32	-0.13	-0.10	-0.23	
Zalewski, John	-0.48	-1.11	-1.20	-1.41	-0.17	-0.60	-0.98	-1.67	
Rodriguez, Jesus (Jesse)	0.50	0.29	0.32	0.51	0.41	0.30	1.08	-0.19	
Stremlow, Mike	-0.91	-0.35	-0.73	-1.09	-2.24	-1.94	-1.00	-1.23	
Richerson, Jay	-1.85	-1.92	-1.77	-1.71	-1.35	-1.29	-2.11	-0.68	
Kasimirsky, Michael	-0.42	-0.52	-0.12	0.19	0.07	0.05	0.40	0.91	
Hills, Barry	-1.13	-0.45	-0.90	-0.28	-0.43	-0.32	-0.32	-0.17	
Trevino, Bobby	0.92	0.80	0.91	0.53	0.78	0.89	0.99	0.93	
Hill, Howard P.	1.93	2.15	2.02	1.88	-2.24	2.14	1.64	2.31	
MAXIMUM	1.93	2.15	2.02	1.88	-2.24	2.14	-2.11	2.31	
MINIMUM	0.20	-0.20	-0.12	-0.18	0.07	0.05	0.02	-0.05	
RANGE(MAX-MIN)	1.728	2.356	2.138	2.063	-2.303	2.089	-2.127	2.363	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B4 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Foecking, Brian	56.28	9.88	0.12	0.05	30.13	0.43	0.92	40.00	
Castillo, George	49.28	9.48	0.20	0.09	20.51	0.72	1.08	44.00	
Shoda, Ronald	53.75	11.68	0.20	0.10	37.39	0.55	1.03	47.00	
Zalewski, John	67.00	12.30	0.20	0.10	53.47	0.50	1.65	78.00	
Guarda, Waldyr	65.25	10.64	0.20	0.23	22.58	1.17	1.09	70.00	
Hills, Barry	56.00	9.95	0.10	0.10	29.10	0.15	0.21	57.00	
Greenland, Paul	61.00	10.52	0.30	0.20	18.75	0.66	1.08	58.00	
Trevino, Bobby	63.81	9.34	0.40	0.18	18.07	0.61	0.52	64.00	
Stremlow, Mike	64.21	7.95	0.25	0.10	16.34	1.28	0.99	57.00	
Rodriguez, Jesus (Jesse)	64.50	11.83	0.20	0.20	21.36	0.59	1.00	47.00	
May, Marianne	56.03	10.37	0.18	0.27	30.71	0.59	0.65	59.00	
Sherrod, Jeff	52.75	9.40	0.80	0.30	35.50	1.15	1.20	60.00	
Richerson, Jay	53.02	8.87	0.10	0.01	7.19	0.51	1.15	42.00	
Pitta, Jimmy	55.75	10.26	0.20	0.00	18.25	0.65	0.96	45.00	
Hill, Howard P.	62.29	10.10	0.20	0.17	17.03	0.41	0.35	59.00	
Seiz, Ray	69.32	11.20	0.24	0.32	40.39	0.37	0.77	92.00	
Lopez, Frank	51.00	10.48	0.20	0.26	37.91	0.47	0.45	41.00	
MAXIMUM	69.32	12.30	0.80	0.32	53.47	1.28	1.65	92.00	
MINIMUM	49.28	7.95	0.10	0.00	7.19	0.15	0.21	40.00	
RANGE(MAX-MIN)	20.040	4.350	0.700	0.320	46.280	1.130	1.440	52.000	
MEAN	58.896	10.250	0.241	0.158	26.746	0.636	0.888	56.471	
STANDARD DEVIATION	6.131	1.105	0.161	0.099	11.536	0.301	0.359	14.098	

Part ID= B4 - SQUARE CUT

B4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	
Foecking, Brian	-0.43	-0.33	-0.75	-1.09	0.29	-0.68	0.09	-1.17	
Castillo, George	-1.57	-0.70	-0.25	-0.69	-0.54	0.28	0.53	-0.88	
Shoda, Ronald	-0.84	1.29	-0.25	-0.59	0.92	-0.29	0.40	-0.67	
Zalewski, John	1.32	1.86	-0.25	-0.59	2.32	-0.45	2.12	1.53	
Guarda, Waldyr	1.04	0.35	-0.25	0.73	-0.36	1.78	0.56	0.96	
Hills, Barry	-0.47	-0.27	-0.88	-0.59	0.20	-1.62	-1.89	0.04	
Greenland, Paul	0.34	0.24	0.37	0.43	-0.69	0.08	0.53	0.11	
Trevino, Bobby	0.80	-0.82	0.99	0.23	-0.75	-0.09	-1.03	0.53	
Stremlow, Mike	0.87	-2.08	0.06	-0.59	-0.90	2.14	0.28	0.04	
Rodriguez, Jesus (Jesse)	0.91	1.43	-0.25	0.43	-0.47	-0.15	0.31	-0.67	
May, Marianne	-0.47	0.11	-0.38	1.14	0.34	-0.15	-0.66	0.18	
Sherrod, Jeff	-1.00	-0.77	3.48	1.44	0.76	1.71	0.87	0.25	
Richerson, Jay	-0.96	-1.25	-0.88	-1.50	-1.70	-0.42	0.73	-1.03	
Pitta, Jimmy	-0.51	0.01	-0.25	-1.60	-0.74	0.05	0.20	-0.81	
Hill, Howard P.	0.55	-0.14	-0.25	0.13	-0.84	-0.75	-1.50	0.18	
Seiz, Ray	1.70	0.86	0.00	1.65	1.18	-0.88	-0.33	2.52	
Lopez, Frank	-1.29	0.21	-0.25	1.04	0.97	-0.55	-1.22	-1.10	
MAXIMUM	1.70	-2.08	3.48	1.65	2.32	2.14	2.12	2.52	
MINIMUM	0.34	0.01	0.00	0.13	0.20	0.05	0.09	0.04	
RANGE(MAX-MIN)	1.357	-2.091	3.486	1.523	2.112	2.095	2.036	2.483	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B3 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Foecking, Brian	53.81	12.90	2.73	3.46	7.80	37.44	2.63	1.86	
Castillo, George	51.62	10.48	2.43	3.00	9.26	31.63	2.72	2.69	
Shoda, Ronald	51.30	14.88	2.00	1.50	8.68	40.50	2.64	2.28	
Barrera, Tony	39.57	10.46	2.50	2.10	10.32	31.80	2.84	2.02	
Zalewski, John	60.75	10.28	0.48	4.91	8.85	48.33	1.05	0.23	
Richerson, Jay	52.83	10.75	2.46	5.56	6.11	54.31	2.47	2.97	
Stremlow, Mike	59.62	11.22	1.65	5.56	6.95	42.02	2.20	1.45	
Rodriguez, Jesus (Jesse)	68.13	9.34	1.78	7.06	10.05	39.37	1.98	2.41	
Guarda, Waldyr	45.27	10.65	2.23	7.50	10.88	36.02	1.54	0.95	
Greenland, Paul	56.09	10.26	2.05	4.50	10.90	32.37	2.65	1.35	
Hills, Barry	51.81	10.52	1.49	7.50	9.26	35.23	1.76	0.24	
Hill, Howard P.	59.78	7.71	3.15	6.01	5.91	28.51	2.55	1.23	
Trevino, Bobby	50.37	10.94	2.56	1.65	11.99	34.29	2.75	2.15	
MAXIMUM	68.13	14.88	3.15	7.50	11.99	54.31	2.84	2.97	
MINIMUM	39.57	7.71	0.48	1.50	5.91	28.51	1.05	0.23	
RANGE(MAX-MIN)	28.560	7.170	2.670	6.000	6.080	25.800	1.790	2.740	
MEAN	53.919	10.799	2.116	4.639	8.997	37.832	2.291	1.679	
STANDARD DEVIATION	7.253	1.679	0.673	2.145	1.887	7.206	0.552	0.867	

Part ID= B3 - C13-STYLE

B3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	L1TOT	L2TOT	L3TOT	L4TOT	
Foecking, Brian	-0.02	1.25	0.91	-0.55	-0.63	-0.05	0.61	0.21	
Castillo, George	-0.32	-0.19	0.47	-0.76	0.14	-0.86	0.78	1.17	
Shoda, Ronald	-0.36	2.43	-0.17	-1.46	-0.17	0.37	0.63	0.69	
Barrera, Tony	-1.98	-0.20	0.57	-1.18	0.70	-0.84	1.00	0.39	
Zalewski, John	0.94	-0.31	-2.43	0.13	-0.08	1.46	-2.25	-1.67	
Richerson, Jay	-0.15	-0.03	0.51	0.43	-1.53	2.29	0.32	1.49	
Stremlow, Mike	0.79	0.25	-0.69	0.43	-1.08	0.58	-0.16	-0.26	
Rodriguez, Jesus (Jesse)	1.96	-0.87	-0.50	1.13	0.56	0.21	-0.56	0.84	
Guarda, Waldyr	-1.19	-0.09	0.17	1.33	1.00	-0.25	-1.36	-0.84	
Greenland, Paul	0.30	-0.32	-0.10	-0.06	1.01	-0.76	0.65	-0.38	
Hills, Barry	-0.29	-0.17	-0.93	1.33	0.14	-0.36	-0.96	-1.66	
Hill, Howard P.	0.81	-1.84	1.54	0.64	-1.64	-1.29	0.47	-0.52	
Trevino, Bobby	-0.49	0.08	0.66	-1.39	1.59	-0.49	0.83	0.54	
MAXIMUM	-1.98	2.43	-2.43	-1.46	-1.64	2.29	-2.25	-1.67	
MINIMUM	-0.02	-0.03	-0.10	-0.06	-0.08	-0.05	-0.16	0.21	
RANGE(MAX-MIN)	-1.963	2.460	-2.332	-1.399	-1.558	2.341	-2.085	-1.880	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Foecking, Brian	27.50	25.00	1.56	0.50	5.92	26.95	2.05	1.83	9.00	10.00	0.00	3.00	
Castillo, George	27.75	25.00	1.88	0.77	8.18	25.39	2.21	1.51	9.00	7.00	0.00	0.00	
Barrera, Tony	26.75	25.00	0.89	0.34	5.29	25.90	1.48	1.81	9.00	12.00	0.00	0.00	
Shoda, Ronald	27.00	25.00	0.71	0.30	8.78	25.80	2.31	2.02	13.00	17.00	0.00	0.00	
Lonsway, Chris	27.25	25.00	1.72	0.39	7.83	25.05	1.60	1.21	9.00	20.00	0.00	2.00	
Zalewski, John	28.00	25.00	1.08	0.53	3.83	40.49	2.11	2.24	35.00	32.00	0.00	0.00	
Guarda, Waldyr	29.50	28.75	1.43	0.60	9.86	30.72	2.68	1.85	37.00	43.00	1.00	0.00	
Richerson, Jay	27.93	24.04	1.02	0.51	3.87	34.22	3.08	3.71	29.00	34.00	0.00	0.00	
Rodriguez, Jesus (Jesse)	26.50	25.75	1.48	0.40	7.28	26.47	2.18	1.76	11.00	20.00	0.00	0.00	
Stremlow, Mike	41.25	28.00	1.35	0.08	6.85	36.10	2.21	2.00	27.00	26.00	0.00	5.00	
May, Marianne	27.75	25.00	0.78	0.33	5.81	25.99	1.91	1.23	12.00	14.00	0.00	2.00	
Greenland, Paul	27.25	25.00	1.36	0.63	3.46	27.30	2.20	1.60	8.00	22.00	0.00	0.00	
Hills, Barry	26.50	25.00	0.55	0.22	3.75	27.70	1.85	1.02	11.00	11.00	0.00	0.00	
Clapperty, Leon	29.81	26.50	1.09	0.21	4.15	32.14	1.04	0.87	28.00	20.00	0.00	0.00	
Hill, Howard P.	25.42	24.65	1.65	0.43	5.95	25.80	2.03	1.65	9.00	20.00	0.00	0.00	
Trevino, Bobby	27.75	25.00	1.51	0.32	5.07	27.18	2.25	1.48	10.00	20.00	0.00	0.00	
Seiz, Ray	27.75	25.00	0.74	0.22	8.47	29.93	1.89	1.77	9.00	7.00	0.00	0.00	
MAXIMUM	41.25	28.75	1.88	0.77	9.86	40.49	3.08	3.71	37.00	43.00	1.00	5.00	
MINIMUM	25.42	24.04	0.55	0.08	3.46	25.05	1.04	0.87	8.00	7.00	0.00	0.00	
RANGE(MAX-MIN)	15.830	4.710	1.330	0.690	6.400	15.440	2.040	2.840	29.000	36.000	1.000	5.000	
MEAN	28.333	25.452	1.224	0.399	6.138	29.008	2.064	1.739	16.176	19.706	0.059	0.706	
STANDARD DEVIATION	3.487	1.210	0.398	0.176	2.007	4.399	0.453	0.626	10.321	9.796	0.243	1.448	

Part ID= B2 - KEYSTONE

B2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC	
Foecking, Brian	-0.24	-0.37	0.85	0.57	-0.11	-0.47	-0.03	0.15	-0.70	-0.99	-0.24	1.58	
Castillo, George	-0.17	-0.37	1.65	2.10	1.02	-0.82	0.32	-0.37	-0.70	-1.30	-0.24	-0.49	
Barrera, Tony	-0.45	-0.37	-0.84	-0.33	-0.42	-0.71	-1.29	0.11	-0.70	-0.79	-0.24	-0.49	
Shoda, Ronald	-0.38	-0.37	-1.29	-0.56	1.32	-0.73	0.54	0.45	-0.31	-0.28	-0.24	-0.49	
Lonsway, Chris	-0.31	-0.37	1.25	-0.05	0.84	-0.90	-1.02	-0.84	-0.70	0.03	-0.24	0.89	
Zalewski, John	-0.10	-0.37	-0.36	0.74	-1.15	2.61	0.10	0.80	1.82	1.26	-0.24	-0.49	
Guarda, Waldyr	0.33	2.72	0.52	1.14	1.85	0.39	1.36	0.18	2.02	2.38	3.88	-0.49	
Richerson, Jay	-0.12	-1.17	-0.51	0.63	-1.13	1.18	2.24	3.15	1.24	1.46	-0.24	-0.49	
Rodriguez, Jesus (Jesse)	-0.53	0.25	0.64	0.01	0.57	-0.58	0.26	0.03	-0.50	0.03	-0.24	-0.49	
Stremlow, Mike	3.70	2.10	0.32	-1.81	0.35	1.61	0.32	0.42	1.05	0.64	-0.24	2.97	
May, Marianne	-0.17	-0.37	-1.11	-0.39	-0.16	-0.69	-0.34	-0.81	-0.40	-0.58	-0.24	0.89	
Greenland, Paul	-0.31	-0.37	0.34	1.31	-1.33	-0.39	0.30	-0.22	-0.79	0.23	-0.24	-0.49	
Hills, Barry	-0.53	-0.37	-1.69	-1.01	-1.19	-0.30	-0.47	-1.15	-0.50	-0.89	-0.24	-0.49	
Clapperty, Leon	0.42	0.87	-0.34	-1.07	-0.99	0.71	-2.26	-1.39	1.15	0.03	-0.24	-0.49	
Hill, Howard P.	-0.84	-0.66	1.07	0.18	-0.09	-0.73	-0.07	-0.14	-0.70	0.03	-0.24	-0.49	
Trevino, Bobby	-0.17	-0.37	0.72	-0.45	-0.53	-0.42	0.41	-0.41	-0.60	0.03	-0.24	-0.49	
Seiz, Ray	-0.17	-0.37	-1.21	-1.01	1.16	0.21	-0.38	0.05	-0.70	-1.30	-0.24	-0.49	
MAXIMUM	3.70	2.72	-1.69	2.10	1.85	2.61	-2.26	3.15	2.02	2.38	3.88	2.97	
MINIMUM	-0.10	0.25	0.32	0.01	-0.09	0.21	-0.03	0.03	-0.31	0.03	-0.24	-0.49	
RANGE(MAX-MIN)	3.800	2.479	-2.009	2.097	1.948	2.400	-2.228	3.116	2.325	2.348	4.123	3.454	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= B1 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Foecking, Brian	79.80	1.63	0.44	0.33	6.34	1.06	0.50	81.00	
Castillo, George	70.68	1.94	0.55	0.28	4.97	1.29	1.02	85.00	
Barrera, Tony	81.43	1.99	0.31	0.21	5.84	0.77	0.20	85.00	
Shoda, Ronald	68.78	2.20	0.76	0.20	6.75	1.04	0.30	75.00	
Kobrinetz, Joaquin J.	76.93	0.85	0.25	0.19	5.08	0.54	0.31	82.00	
Zalewski, John	85.54	2.35	1.57	0.30	3.99	1.03	0.42	87.00	
Hills, Barry	78.71	0.86	0.30	0.30	4.76	0.41	0.20	84.00	
Rodriguez, Jesus (Jesse)	66.71	1.36	0.52	0.12	5.73	0.59	0.46	74.00	
Guarda, Waldyr	82.00	1.20	0.30	0.33	7.53	0.81	0.39	79.00	
Sherrod, Jeff	71.91	2.06	1.04	0.20	4.44	1.15	0.87	75.00	
Trevino, Bobby	75.15	1.84	0.52	0.37	5.02	0.94	0.62	80.00	
Stremlow, Mike	88.35	2.00	0.73	0.08	5.95	1.75	0.45	86.00	
Richerson, Jay	69.46	2.22	0.53	0.32	3.97	0.76	0.38	78.00	
May, Marianne	76.71	1.56	0.42	0.35	6.52	0.64	0.38	81.00	
Greenland, Paul	63.43	1.90	0.80	0.40	5.08	0.95	0.40	85.00	
Pitta, Jimmy	82.14	0.72	0.12	0.02	4.46	0.60	0.17	75.00	
Hill, Howard P.	81.16	0.77	0.19	0.06	4.75	0.41	0.39	86.00	
Seiz, Ray	83.21	0.87	0.23	0.30	5.98	0.89	0.32	94.00	
Lopez, Frank	87.25	1.68	0.52	0.10	7.55	0.98	0.20	84.00	
Clapperty, Leon	67.06	1.15	0.79	0.25	3.65	0.85	0.38	80.00	
MAXIMUM	88.35	2.35	1.57	0.40	7.55	1.75	1.02	94.00	
MINIMUM	63.43	0.72	0.12	0.02	3.65	0.41	0.17	74.00	
RANGE(MAX-MIN)	24.920	1.630	1.450	0.380	3.900	1.340	0.850	20.000	
MEAN	76.821	1.558	0.545	0.236	5.418	0.873	0.418	81.800	
STANDARD DEVIATION	7.350	0.543	0.340	0.112	1.131	0.317	0.213	5.033	

Part ID= B1 - SQUARE CUT

B1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	
Foecking, Brian	0.41	0.13	-0.31	0.85	0.81	0.59	0.38	-0.16	
Castillo, George	-0.84	0.71	0.02	0.40	-0.40	1.32	2.83	0.64	
Barrera, Tony	0.63	0.80	-0.69	-0.23	0.37	-0.33	-1.02	0.64	
Shoda, Ronald	-1.09	1.18	0.63	-0.32	1.18	0.53	-0.55	-1.35	
Kobrinetz, Joaquin J.	0.01	-1.30	-0.87	-0.41	-0.30	-1.05	-0.51	0.04	
Zalewski, John	1.19	1.46	3.02	0.58	-1.26	0.50	0.01	1.03	
Hills, Barry	0.26	-1.29	-0.72	0.58	-0.58	-1.46	-1.02	0.44	
Rodriguez, Jesus (Jesse)	-1.38	-0.36	-0.07	-1.04	0.28	-0.89	0.20	-1.55	
Guarda, Waldyr	0.70	-0.66	-0.72	0.85	1.87	-0.20	-0.13	-0.56	
Sherrod, Jeff	-0.67	0.93	1.46	-0.32	-0.86	0.87	2.12	-1.35	
Trevino, Bobby	-0.23	0.52	-0.07	1.21	-0.35	0.21	0.95	-0.36	
Stremlow, Mike	1.57	0.82	0.55	-1.39	0.47	2.77	0.15	0.83	
Richerson, Jay	-1.00	1.22	-0.04	0.76	-1.28	-0.36	-0.18	-0.76	
May, Marianne	-0.02	0.00	-0.37	1.03	0.97	-0.74	-0.18	-0.16	
Greenland, Paul	-1.82	0.63	0.75	1.48	-0.30	0.24	-0.08	0.64	
Pitta, Jimmy	0.72	-1.54	-1.25	1.93	-0.85	-0.86	-1.16	-1.35	
Hill, Howard P.	0.59	-1.45	-1.04	-1.57	-0.59	-1.46	-0.13	0.83	
Seiz, Ray	0.87	-1.27	-0.92	0.58	0.50	0.05	-0.46	2.42	
Lopez, Frank	1.42	0.23	-0.07	-1.22	1.88	0.34	-1.02	0.44	
Clapperty, Leon	-1.33	-0.75	0.72	0.13	-1.56	-0.07	-0.18	-0.36	
MAXIMUM	-1.82	-1.54	3.02	-1.93	1.88	2.77	2.83	2.42	
MINIMUM	0.01	0.00	0.02	0.13	0.28	0.05	0.01	0.04	
RANGE(MAX-MIN)	-1.837	-1.548	2.999	-2.062	1.609	2.715	2.816	2.385	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= C6 - ARTICULATED 2-PIECE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Viera, Ralph B.	31.00	17.96	1.81	5.10	6.00	33.29	8.89	2.84	2.51	14.00	12.00	15.00	8.00
Avis, Steven	25.25	17.44	1.94	6.90	6.00	24.16	8.27	2.51	0.87	3.00	15.00	10.00	0.00
Kobrinetz, Joaquin J.	25.50	15.97	1.95	6.76	5.56	35.40	9.59	2.85	0.75	11.00	8.00	21.00	4.00
Cales, Jonathon	29.25	14.22	3.11	1.80	7.20	29.49	8.59	2.91	1.18	11.00	8.00	15.00	1.00
Shoda, Ronald	25.75	16.30	1.98	1.50	1.50	24.71	8.96	3.03	0.89	9.00	10.00	15.00	1.00
Pitta, Jimmy	30.00	15.13	2.03	4.80	3.75	20.27	6.94	2.23	0.45	7.00	5.00	8.00	0.00
Langford, Mike	27.00	16.97	1.49	1.50	1.80	31.67	8.38	1.16	0.83	20.00	17.00	16.00	4.00
Hill, Howard P.	27.06	15.65	1.54	1.05	0.52	22.62	8.64	2.38	0.58	16.00	13.00	12.00	0.00
Lee, Manuel	28.50	22.75	0.00	7.50	7.50	30.00	7.75	0.00	0.00	2.00	2.00	24.00	0.00
Schakel, J.J.	77.50	17.38	1.64	0.15	4.05	35.77	8.24	2.06	1.07	75.00	6.00	28.00	2.00
Stremlow, Mike	35.49	13.70	1.70	3.60	5.85	20.50	6.16	1.99	1.15	24.00	14.00	14.00	3.00
Hurst, Kevin R.	30.00	16.07	1.43	2.26	5.10	33.98	9.30	1.97	1.23	13.00	3.00	23.00	0.00
Guarda, Waldyr	27.75	15.01	1.46	1.95	2.40	27.31	9.26	1.49	0.65	23.00	17.00	14.00	0.00
Zalewski, John	36.25	15.80	1.04	2.67	6.01	34.18	8.15	0.80	0.10	40.00	22.00	25.00	2.00
MAXIMUM	77.50	22.75	3.11	7.50	7.50	35.77	9.59	3.03	2.51	75.00	22.00	28.00	8.00
MINIMUM	25.25	13.70	0.00	0.15	0.52	20.27	6.16	0.00	0.00	2.00	2.00	8.00	0.00
RANGE(MAX-MIN)	52.250	9.050	3.110	7.350	6.980	15.500	3.430	3.030	2.510	73.000	20.000	20.000	8.000
MEAN	32.593	16.454	1.651	3.396	4.517	28.811	8.366	2.016	0.876	19.143	10.857	17.143	1.786
STANDARD DEVIATION	13.355	2.182	0.668	2.403	2.213	5.537	0.931	0.885	0.602	18.822	5.869	6.024	2.326

Part ID= C6 - ARTICULATED 2-PIECE

C6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	UCTOT	OCTOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	TLFC
Viera, Ralph B.	-0.12	0.69	0.24	0.71	0.67	0.81	0.56	0.93	2.72	-0.27	0.19	-0.36	2.67
Avis, Steven	-0.55	0.45	0.43	1.46	0.67	-0.84	-0.10	0.56	-0.01	-0.86	0.71	-1.19	-0.77
Kobrinetz, Joaquin J.	-0.53	-0.22	0.45	1.40	0.47	1.19	1.31	0.94	-0.21	-0.43	-0.49	0.64	0.95
Cales, Jonathon	-0.25	-1.02	2.18	-0.66	1.21	0.12	0.24	1.01	0.51	-0.43	-0.49	-0.36	-0.34
Shoda, Ronald	-0.51	-0.07	0.49	-0.79	-1.36	-0.74	0.64	1.15	0.02	-0.54	-0.15	-0.36	-0.34
Pitta, Jimmy	-0.19	-0.61	0.57	0.58	-0.35	-1.54	-1.53	0.24	-0.71	-0.65	-1.00	-1.52	-0.77
Langford, Mike	-0.42	0.24	-0.24	-0.79	-1.23	0.52	0.02	-0.97	-0.08	0.05	1.05	-0.19	0.95
Hill, Howard P.	-0.41	-0.37	-0.17	-0.98	-1.81	-1.12	0.29	0.41	-0.49	-0.17	0.37	-0.85	-0.77
Lee, Manuel	-0.31	2.89	-2.47	1.71	1.35	0.21	-0.66	-2.28	-1.46	-0.91	-1.51	1.14	-0.77
Schakel, J.J.	3.36	0.42	-0.02	-1.35	-0.21	1.26	-0.14	0.05	0.32	2.97	-0.83	1.80	0.09
Stremlow, Mike	0.22	-1.26	0.07	0.09	0.60	-1.50	-2.37	-0.03	0.46	0.26	0.54	-0.52	0.52
Hurst, Kevin R.	-0.19	-0.18	-0.33	-0.47	0.26	0.93	1.00	-0.05	0.59	-0.33	-1.34	0.97	-0.77
Guarda, Waldyr	-0.36	-0.66	-0.29	-0.60	-0.96	-0.27	0.96	-0.59	-0.38	0.20	1.05	-0.52	-0.77
Zalewski, John	0.27	-0.30	-0.92	-0.30	0.67	0.97	-0.23	-1.37	-1.29	1.11	1.90	1.30	0.09
MAXIMUM	3.36	2.89	-2.47	1.71	-1.81	-1.54	-2.37	-2.28	2.72	2.97	1.90	1.80	2.67
MINIMUM	-0.12	-0.07	-0.02	0.09	-0.21	0.12	0.02	-0.03	-0.01	0.05	-0.15	-0.19	0.09
RANGE(MAX-MIN)	3.482	2.956	-2.454	1.623	-1.595	-1.665	-2.384	-2.249	2.725	2.922	2.045	1.992	2.579
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= ISMOP - ISM OIL PAN

Rated Values

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

Rater	TOTALS
Foecking, Brian	9.03
Viera, Ralph B.	8.89
Barrera, Tony	8.85
Kobrinetz, Joaquin J.	8.93
Sanchez, Arthur	8.51
Avis, Steven	8.25
Lonsway, Chris	8.98
Cales, Jonathon	9.02
Shoda, Ronald	8.66
Castillo, George	8.73
Hill, Howard P.	7.98
Guarda, Waldyr	9.11
May, Marianne	9.02
Trevino, Bobby	8.85
Lopez, Frank	8.93
Zalewski, John	8.47
Clapperty, Leon	9.05
Seiz, Ray	9.13
Rodriguez, Jesus (Jesse)	8.76
Gutzwiller, Jim	9.15
Hills, Barry	9.08
Hurst, Kevin R.	8.94
MAXIMUM	9.15
MINIMUM	7.98
RANGE(MAX-MIN)	1.170
MEAN	8.833
STANDARD DEVIATION	0.300

Part ID= ISMOP - ISM OIL PAN

ISMOP YI Values

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

Rater	TOTALS
Foecking, Brian	0.66
Viera, Ralph B.	0.19
Barrera, Tony	0.06
Kobrinetz, Joaquin J.	0.32
Sanchez, Arthur	-1.08
Avis, Steven	-1.94
Lonsway, Chris	0.49
Cales, Jonathon	0.62
Shoda, Ronald	-0.58
Castillo, George	-0.34
Hill, Howard P.	-2.84
Guarda, Waldyr	0.92
May, Marianne	0.62
Trevino, Bobby	0.06
Lopez, Frank	0.32
Zalewski, John	-1.21
Clapperty, Leon	0.72
Seiz, Ray	0.99
Rodriguez, Jesus (Jesse)	-0.24
Gutzwiller, Jim	1.06
Hills, Barry	0.82
Hurst, Kevin R.	0.36
MAXIMUM	-2.84
MINIMUM	0.06
RANGE(MAX-MIN)	-2.902
MEAN	0.000
STANDARD DEVIATION	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= I - SEQ V PISTONS(TH ONLY)

Rated Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	9.50	9.32	9.06	8.76	8.86	8.66	8.61	8.89	
Trevino, Bobby	9.32	9.16	8.88	8.78	8.89	8.76	8.74	8.97	
MAXIMUM	9.50	9.32	9.06	8.78	8.89	8.76	8.74	8.97	
MINIMUM	9.32	9.16	8.88	8.76	8.86	8.66	8.61	8.89	
RANGE(MAX-MIN)	0.180	0.160	0.180	0.020	0.030	0.100	0.130	0.080	
MEAN	9.410	9.240	8.970	8.770	8.875	8.710	8.675	8.930	
STANDARD DEVIATION	0.127	0.113	0.127	0.014	0.021	0.071	0.092	0.057	

Part ID= I - SEQ V PISTONS(TH ONLY)

I YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	-0.71	
Trevino, Bobby	-0.71	-0.71	-0.71	0.71	0.71	0.71	0.71	0.71	
MAXIMUM	0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	-0.71	
MINIMUM	0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	-0.71	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= H - SEQ V PISTONS(TH ONLY)

Rated Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	8.99	8.91	8.56	8.50	8.31	8.34	8.42	8.25	
Trevino, Bobby	9.04	8.81	8.46	8.65	8.33	8.40	8.44	8.24	
MAXIMUM	9.04	8.91	8.56	8.65	8.33	8.40	8.44	8.25	
MINIMUM	8.99	8.81	8.46	8.50	8.31	8.34	8.42	8.24	
RANGE(MAX-MIN)	0.050	0.100	0.100	0.150	0.020	0.060	0.020	0.010	
MEAN	9.015	8.860	8.510	8.575	8.320	8.370	8.430	8.245	
STANDARD DEVIATION	0.035	0.071	0.071	0.106	0.014	0.042	0.014	0.007	

Part ID= H - SEQ V PISTONS(TH ONLY)

H YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	-0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	0.71	
Trevino, Bobby	0.71	-0.71	-0.71	0.71	0.71	0.71	0.71	-0.71	
MAXIMUM	-0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	0.71	
MINIMUM	-0.71	0.71	0.71	-0.71	-0.71	-0.71	-0.71	0.71	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= G - SEQ V PISTONS(TH ONLY)

Rated Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	9.04	9.05	8.89	8.75	8.88	8.34	7.98	7.96	
Trevino, Bobby	9.06	9.03	8.91	8.83	8.87	8.38	8.11	8.17	
MAXIMUM	9.06	9.05	8.91	8.83	8.88	8.38	8.11	8.17	
MINIMUM	9.04	9.03	8.89	8.75	8.87	8.34	7.98	7.96	
RANGE(MAX-MIN)	0.020	0.020	0.020	0.080	0.010	0.040	0.130	0.210	
MEAN	9.050	9.040	8.900	8.790	8.875	8.360	8.045	8.065	
STANDARD DEVIATION	0.014	0.014	0.014	0.057	0.007	0.028	0.092	0.148	

Part ID= G - SEQ V PISTONS(TH ONLY)

G YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8	
May, Marianne	-0.71	0.71	-0.71	-0.71	0.71	-0.71	-0.71	-0.71	
Trevino, Bobby	0.71	-0.71	0.71	0.71	-0.71	0.71	0.71	0.71	
MAXIMUM	-0.71	0.71	-0.71	-0.71	0.71	-0.71	-0.71	-0.71	
MINIMUM	-0.71	0.71	-0.71	-0.71	0.71	-0.71	-0.71	-0.71	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
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	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= F - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	45.00	18.00	32.00	11.00	38.00	15.00	
Barrera, Tony	37.00	22.00	24.00	10.00	34.00	12.00	
Viera, Ralph B.	44.00	23.00	32.00	14.00	38.00	14.00	
Castillo, George	71.00	26.00	30.00	14.00	46.00	19.00	
May, Marianne	39.00	17.00	26.00	9.00	37.00	12.00	
Guarda, Waldyr	39.00	22.00	26.00	15.00	28.00	18.00	
Lopez, Frank	62.00	19.00	29.00	11.00	41.00	12.00	
MAXIMUM	71.00	26.00	32.00	15.00	46.00	19.00	
MINIMUM	37.00	17.00	24.00	9.00	28.00	12.00	
RANGE(MAX-MIN)	34.000	9.000	8.000	6.000	18.000	7.000	
MEAN	48.143	21.000	28.429	12.000	37.429	14.571	
STANDARD DEVIATION	13.120	3.162	3.155	2.309	5.593	2.936	

Part ID= F - C13 2ND RING CARBON

F YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	-0.24	-0.95	1.13	-0.43	0.10	0.15	
Barrera, Tony	-0.85	0.32	-1.40	-0.87	-0.61	-0.88	
Viera, Ralph B.	-0.32	0.63	1.13	0.87	0.10	-0.19	
Castillo, George	1.74	1.58	0.50	0.87	1.53	1.51	
May, Marianne	-0.70	-1.26	-0.77	-1.30	-0.08	-0.88	
Guarda, Waldyr	-0.70	0.32	-0.77	1.30	-1.69	1.17	
Lopez, Frank	1.06	-0.63	0.18	-0.43	0.64	-0.88	
MAXIMUM	1.74	1.58	-1.40	-1.30	-1.69	1.51	
MINIMUM	-0.24	0.32	0.18	-0.43	-0.08	0.15	
RANGE(MAX-MIN)	1.982	1.265	-1.585	-0.866	-1.609	1.363	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= E - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	44.00	35.00	4.00	36.00	10.00	13.00	
Barrera, Tony	45.00	38.00	5.00	44.00	12.00	14.00	
Viera, Ralph B.	56.00	49.00	17.00	45.00	8.00	17.00	
Castillo, George	48.00	51.00	8.00	60.00	13.00	15.00	
May, Marianne	45.00	42.00	6.00	42.00	11.00	13.00	
Guarda, Waldyr	31.00	36.00	9.00	31.00	16.00	18.00	
Lopez, Frank	52.00	43.00	5.00	51.00	12.00	14.00	
Trevino, Bobby	42.00	37.00	3.00	46.00	20.00	10.00	
MAXIMUM	56.00	51.00	17.00	60.00	20.00	18.00	
MINIMUM	31.00	35.00	3.00	31.00	8.00	10.00	
RANGE(MAX-MIN)	25.000	16.000	14.000	29.000	12.000	8.000	
MEAN	45.375	41.375	7.125	44.375	12.750	14.250	
STANDARD DEVIATION	7.405	6.022	4.454	8.831	3.732	2.493	

Part ID= E - C13 2ND RING CARBON

E YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	-0.19	-1.06	-0.70	-0.95	-0.74	-0.50	
Barrera, Tony	-0.05	-0.56	-0.48	-0.04	-0.20	-0.10	
Viera, Ralph B.	1.43	1.27	2.22	0.07	-1.27	1.10	
Castillo, George	0.35	1.60	0.20	1.77	0.07	0.30	
May, Marianne	-0.05	0.10	-0.25	-0.27	-0.47	-0.50	
Guarda, Waldyr	-1.94	-0.89	0.42	-1.51	0.87	1.50	
Lopez, Frank	0.89	0.27	-0.48	0.75	-0.20	-0.10	
Trevino, Bobby	-0.46	-0.73	-0.93	0.18	1.94	-1.70	
MAXIMUM	-1.94	1.60	2.22	1.77	1.94	-1.70	
MINIMUM	-0.05	0.10	0.20	-0.04	0.07	-0.10	
RANGE(MAX-MIN)	-1.891	1.494	2.021	1.812	1.876	-1.605	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= D - C13 2ND RING CARBON

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	11.00	35.00	12.00	15.00	8.00	20.00	
Barrera, Tony	16.00	34.00	11.00	13.00	10.00	18.00	
Viera, Ralph B.	12.00	37.00	13.00	14.00	12.00	18.00	
Castillo, George	20.00	52.00	12.00	14.00	10.00	20.00	
May, Marianne	15.00	47.00	10.00	12.00	9.00	16.00	
Guarda, Waldyr	20.00	34.00	16.00	16.00	14.00	21.00	
Lopez, Frank	14.00	62.00	13.00	13.00	12.00	19.00	
Trevino, Bobby	9.00	57.00	5.00	10.00	7.00	18.00	
MAXIMUM	20.00	62.00	16.00	16.00	14.00	21.00	
MINIMUM	9.00	34.00	5.00	10.00	7.00	16.00	
RANGE(MAX-MIN)	11.000	28.000	11.000	6.000	7.000	5.000	
MEAN	14.625	44.750	11.500	13.375	10.250	18.750	
STANDARD DEVIATION	3.998	11.285	3.162	1.847	2.315	1.581	

Part ID= D - C13 2ND RING CARBON

D YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
Avis, Steven	-0.91	-0.86	0.16	0.88	-0.97	0.79	
Barrera, Tony	0.34	-0.95	-0.16	-0.20	-0.11	-0.47	
Viera, Ralph B.	-0.66	-0.69	0.47	0.34	0.76	-0.47	
Castillo, George	1.34	0.64	0.16	0.34	-0.11	0.79	
May, Marianne	0.09	0.20	-0.47	-0.74	-0.54	-1.74	
Guarda, Waldyr	1.34	-0.95	1.42	1.42	1.62	1.42	
Lopez, Frank	-0.16	1.53	0.47	-0.20	0.76	0.16	
Trevino, Bobby	-1.41	1.09	-2.06	-1.83	-1.40	-0.47	
MAXIMUM	-1.41	1.53	-2.06	-1.83	1.62	-1.74	
MINIMUM	0.09	0.20	0.16	-0.20	-0.11	0.16	
RANGE(MAX-MIN)	-1.501	1.329	-2.214	-1.624	1.728	-1.897	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Part ID= ISMRC - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS
Foecking, Brian	7.21
Viera, Ralph B.	7.39
Barrera, Tony	7.18
Kobrinetz, Joaquin J.	7.61
Sanchez, Arthur	7.62
Avis, Steven	6.98
Lonsway, Chris	7.50
Cales, Jonathon	7.20
Shoda, Ronald	7.43
Castillo, George	7.21
Hill, Howard P.	7.13
Guarda, Waldyr	7.27
May, Marianne	7.23
Trevino, Bobby	6.83
Lopez, Frank	7.51
Zalewski, John	7.21
Clapperty, Leon	7.54
Seiz, Ray	7.50
Rodriguez, Jesus (Jesse)	7.55
Gutzwiller, Jim	7.34
Hills, Barry	6.79
Hurst, Kevin R.	7.01
MAXIMUM	7.62
MINIMUM	6.79
RANGE(MAX-MIN)	0.830
MEAN	7.284
STANDARD DEVIATION	0.240

Part ID= ISMRC - ISM ROCKER COVER

ISMRC YI Values

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

Rater	TOTALS
Foecking, Brian	-0.31
Viera, Ralph B.	0.44
Barrera, Tony	-0.43
Kobrinetz, Joaquin J.	1.36
Sanchez, Arthur	1.40
Avis, Steven	-1.26
Lonsway, Chris	0.90
Cales, Jonathon	-0.35
Shoda, Ronald	0.61
Castillo, George	-0.31
Hill, Howard P.	-0.64
Guarda, Waldyr	-0.06
May, Marianne	-0.22
Trevino, Bobby	-1.89
Lopez, Frank	0.94
Zalewski, John	-0.31
Clapperty, Leon	1.07
Seiz, Ray	0.90
Rodriguez, Jesus (Jesse)	1.11
Gutzwiller, Jim	0.23
Hills, Barry	-2.05
Hurst, Kevin R.	-1.14
MAXIMUM	-2.05
MINIMUM	-0.06
RANGE(MAX-MIN)	-1.996
MEAN	0.000
STANDARD DEVIATION	1.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Avis, Steven

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF	USTOT	I1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE	-0.74	0.21	1.44		0.58	1.13		-0.62	0.92	0.77	-0.06	-0.93	0.00	0.00			
A3-C13-STYLE	-0.47	0.19	-0.37		-0.36	-0.83	-0.59			-0.58	-0.14						
A4-SQUARE CUT	0.47	0.49	0.25	-0.18	0.13	-1.00	0.18	-0.04									
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE	-0.35	-0.71	-0.17		0.90	-0.70	-0.38	-0.87		-1.68	1.06	-0.09	-1.51	-1.18		1.78	
B1-SQUARE CUT																	
B2-KEYSTONE																	
B3-C13-STYLE																	
B4-SQUARE CUT																	
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT	-0.02	-0.24	0.39	2.50	0.25	-0.53	-0.76	-0.83									
C2-KEYSTONE	-0.11	-0.54	1.57		-0.63	0.92		-0.57	0.19	0.12	-0.79	-0.79	-0.63	-0.58			
C3-C13-STYLE	0.28	0.73	0.40		-0.15	0.30	-0.29			0.51	0.56						
C4-SQUARE CUT	0.49	0.00	-0.22	-0.02	-0.34	-0.68	-0.63	0.80									
C5-SEQUENCE III	-1.23	0.89	-1.05		0.50	-0.63				-0.77			0.01	0.17			
C6-ARTICULATED 2-PIECE	-0.55	0.45	0.43		-0.10	0.56	-0.01	-0.86		-0.84	1.46	0.71	-1.19	-0.77		0.67	
CAL1A-CALIBRATION PISTON	1.39	-0.36	0.95		0.93	-0.91		0.33									
CAL1B-CALIBRATION PISTON	-0.03	0.45	-0.91		-0.13	-0.07		1.65									
CAL1C-CALIBRATION PISTON	0.60	0.39	-0.80		0.03	0.26		1.76									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
H-2-SEQ V PISTONS(TH ONLY)																	
H-3-SEQ V PISTONS(TH ONLY)																	
H-4-SEQ V PISTONS(TH ONLY)																	
H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
I-2-SEQ V PISTONS(TH ONLY)																	
I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	1.39	0.89	1.57	2.50	0.93	1.13	-0.76	1.76	0.92	-1.68	1.46	-0.93	-1.51	-1.18	0.01	0.17	1.78
MINIMUM	-0.02	0.00	-0.17	-0.02	0.03	-0.07	-0.01	-0.04	0.19	0.12	-0.06	-0.09	0.00	0.00	0.01	0.17	0.67
RANGE(MAX-MIN)	1.410	0.890	1.740	2.520	0.900	1.200	-0.750	1.800	0.730	-1.800	1.520	-0.840	-1.510	-1.180	0.000	0.000	1.110
MEAN	-0.021	0.150	0.147	0.767	0.124	-0.168	-0.354	0.075	0.555	-0.283	0.189	-0.275	-0.833	-0.633	0.010	0.170	1.225
STANDARD DEVIATION	0.680	0.491	0.842	1.503	0.486	0.729	0.343	1.022	0.516	0.922	0.872	0.752	0.664	0.490	0.000	0.000	0.785

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Viera, Ralph B.

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	-0.40	0.37	0.41	-0.03	-0.51	0.44	0.41	-0.47											
A2-KEYSTONE	1.19	-0.11	0.73		-0.48	0.11		0.26	-0.10	2.36	1.07	-0.25	0.00	0.00					
A3-C13-STYLE	0.30	0.30	1.08		-0.27	1.27	0.68			0.83	1.27								
A4-SQUARE CUT	0.35	0.97	-1.92	0.01	0.01	0.35	1.03	0.21											
A5-SEQUENCE III	-0.26	0.42	0.40		1.55	-0.37					0.32				0.67	-1.10			
A6-ARTICULATED 2-PIECE	-0.24	0.55	1.35		0.60	0.99	1.31	-0.17		0.74	-0.01	0.28	0.40	-0.13		1.49			
B1-SQUARE CUT																			
B2-KEYSTONE																			
B3-C13-STYLE																			
B4-SQUARE CUT																			
B5-1-SEQ V PISTONS(TH ONLY)																			
B5-2-SEQ V PISTONS(TH ONLY)																			
B5-3-SEQ V PISTONS(TH ONLY)																			
B5-4-SEQ V PISTONS(TH ONLY)																			
B5-5-SEQ V PISTONS(TH ONLY)																			
B5-6-SEQ V PISTONS(TH ONLY)																			
B5-7-SEQ V PISTONS(TH ONLY)																			
B5-8-SEQ V PISTONS(TH ONLY)																			
B6-ARTICULATED 2-PIECE																			
C1-SQUARE CUT	-0.92	0.42	2.60	0.58	-0.23	-0.20	0.89	-1.08											
C2-KEYSTONE																			
C3-C13-STYLE	-0.23	0.88	1.96		-0.97	0.46	0.39			1.40	1.06								
C4-SQUARE CUT	-0.22	0.71	0.08	0.77	-0.39	0.64	1.48	0.37											
C5-SEQUENCE III	1.44	0.55	-0.51		0.75	-1.76					-0.05				-0.95	-0.79			
C6-ARTICULATED 2-PIECE	-0.12	0.69	0.24		0.56	0.93	2.72	-0.27		0.81	0.71	0.19	-0.36	2.67		0.67			
CAL1A-CALIBRATION PISTON	-1.82	0.35	0.33		0.41	1.25		-0.48											
CAL1B-CALIBRATION PISTON	-0.51	0.51	-0.60		-0.12	0.18		1.04											
CAL1C-CALIBRATION PISTON	-0.01	0.90	0.67		-0.83	-0.33		0.26											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
G-3-SEQ V PISTONS(TH ONLY)																			
G-4-SEQ V PISTONS(TH ONLY)																			
G-5-SEQ V PISTONS(TH ONLY)																			
G-6-SEQ V PISTONS(TH ONLY)																			
G-7-SEQ V PISTONS(TH ONLY)																			
G-8-SEQ V PISTONS(TH ONLY)																			
H-1-SEQ V PISTONS(TH ONLY)																			
H-2-SEQ V PISTONS(TH ONLY)																			
H-3-SEQ V PISTONS(TH ONLY)																			
H-4-SEQ V PISTONS(TH ONLY)																			
H-5-SEQ V PISTONS(TH ONLY)																			
H-6-SEQ V PISTONS(TH ONLY)																			
H-7-SEQ V PISTONS(TH ONLY)																			
H-8-SEQ V PISTONS(TH ONLY)																			
I-1-SEQ V PISTONS(TH ONLY)																			
I-2-SEQ V PISTONS(TH ONLY)																			
I-3-SEQ V PISTONS(TH ONLY)																			
I-4-SEQ V PISTONS(TH ONLY)																			
I-5-SEQ V PISTONS(TH ONLY)																			
I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-1.82	0.97	2.60	0.77	1.55	-1.76	2.72	-1.08	-0.10	2.36	1.27	0.28	0.40	2.67	-0.95	-1.10	1.49		
MINIMUM	-0.01	-0.11	0.08	0.01	0.01	0.11	0.39	-0.17	-0.10	0.74	-0.01	0.19	0.00	0.00	0.67	-0.79	0.67		
RANGE(MAX-MIN)	-1.810	1.080	2.520	0.760	1.540	-1.870	2.330	-0.910	0.000	1.620	1.280	0.090	0.400	2.670	-1.620	-0.310	0.820		
MEAN	-0.104	0.536	0.487	0.333	0.006	0.283	1.114	-0.033	-0.100	1.228	0.624	0.073	0.013	0.847	-0.140	-0.945	1.080		
STANDARD DEVIATION	0.802	0.285	1.111	0.403	0.692	0.797	0.758	0.588	0.000	0.686	0.542	0.284	0.380	1.580	1.146	0.219	0.580		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Trevino, Bobby

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT																			
A2-KEYSTONE																			
A3-C13-STYLE																			
A4-SQUARE CUT																			
A5-SEQUENCE III	-0.26	-1.01	0.01		-0.09	-1.18					0.28				-0.56	-0.44			
A6-ARTICULATED 2-PIECE																			
B1-SQUARE CUT	-0.23	0.52	-0.07	1.21	-0.35	0.21	0.95	-0.36											
B2-KEYSTONE	-0.17	-0.37	0.72		-0.42	0.41		-0.60	-0.45	-0.53	-0.41	0.03	-0.24	-0.49					
B3-C13-STYLE	-0.49	0.08	0.66		-0.49	0.83	0.54			1.59	-1.39								
B4-SQUARE CUT	0.80	-0.82	0.99	0.23	-0.75	-0.09	-1.03	0.53											
B5-1-SEQ V PISTONS(TH ONLY)																		0.92	
B5-2-SEQ V PISTONS(TH ONLY)																		0.80	
B5-3-SEQ V PISTONS(TH ONLY)																		0.91	
B5-4-SEQ V PISTONS(TH ONLY)																		0.53	
B5-5-SEQ V PISTONS(TH ONLY)																		0.78	
B5-6-SEQ V PISTONS(TH ONLY)																		0.89	
B5-7-SEQ V PISTONS(TH ONLY)																		0.99	
B5-8-SEQ V PISTONS(TH ONLY)																		0.93	
B6-ARTICULATED 2-PIECE	-0.69	1.21	2.24		-0.31	0.80	2.48	0.62		-1.10	-1.27	-0.56	-0.94	-1.13				-0.77	
C1-SQUARE CUT																			
C2-KEYSTONE																			
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III	-1.34	0.47	0.52		-1.34	-0.46					0.06				-1.32	0.41			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON	-0.04	0.34	0.83		-0.52	0.54		0.33											
CAL1B-CALIBRATION PISTON	-1.23	0.01	0.38		-0.25	0.98		-1.38											
CAL1C-CALIBRATION PISTON	-0.75	-0.49	-0.69		3.96	0.61		-0.60											
G-1-SEQ V PISTONS(TH ONLY)																		0.71	
G-2-SEQ V PISTONS(TH ONLY)																		-0.71	
G-3-SEQ V PISTONS(TH ONLY)																		0.71	
G-4-SEQ V PISTONS(TH ONLY)																		0.71	
G-5-SEQ V PISTONS(TH ONLY)																		-0.71	
G-6-SEQ V PISTONS(TH ONLY)																		0.71	
G-7-SEQ V PISTONS(TH ONLY)																		0.71	
G-8-SEQ V PISTONS(TH ONLY)																		0.71	
H-1-SEQ V PISTONS(TH ONLY)																		0.71	
H-2-SEQ V PISTONS(TH ONLY)																		-0.71	
H-3-SEQ V PISTONS(TH ONLY)																		-0.71	
H-4-SEQ V PISTONS(TH ONLY)																		0.71	
H-5-SEQ V PISTONS(TH ONLY)																		0.71	
H-6-SEQ V PISTONS(TH ONLY)																		0.71	
H-7-SEQ V PISTONS(TH ONLY)																		0.71	
H-8-SEQ V PISTONS(TH ONLY)																		-0.71	
I-1-SEQ V PISTONS(TH ONLY)																		-0.71	
I-2-SEQ V PISTONS(TH ONLY)																		-0.71	
I-3-SEQ V PISTONS(TH ONLY)																		-0.71	
I-4-SEQ V PISTONS(TH ONLY)																		0.71	
I-5-SEQ V PISTONS(TH ONLY)																		0.71	
I-6-SEQ V PISTONS(TH ONLY)																		0.71	
I-7-SEQ V PISTONS(TH ONLY)																		0.71	
I-8-SEQ V PISTONS(TH ONLY)																		0.71	
MAXIMUM	-1.34	1.21	2.24	1.21	3.96	-1.18	2.48	-1.38	-0.45	1.59	-1.39	-0.56	-0.94	-1.13	-1.32	-0.44	-0.77	0.99	
MINIMUM	-0.04	0.01	0.01	0.23	-0.09	-0.09	0.54	0.33	-0.45	-0.53	0.06	0.03	-0.24	-0.49	-0.56	0.41	-0.77	0.53	
RANGE(MAX-MIN)	-1.300	1.200	2.230	0.980	4.050	-1.090	1.940	-1.710	0.000	2.120	-1.450	-0.590	-0.700	-0.640	-0.760	-0.850	0.000	0.460	
MEAN	-0.440	-0.006	0.559	0.720	-0.056	0.265	0.735	-0.209	-0.450	-0.013	-0.546	-0.265	-0.590	-0.810	-0.940	-0.015	-0.770	0.388	
STANDARD DEVIATION	0.618	0.679	0.775	0.693	1.452	0.673	1.443	0.733	0.000	1.417	0.759	0.417	0.495	0.453	0.537	0.601	0.000	0.650	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Stremlow, Mike

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT																	
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE																	
B1-SQUARE CUT	1.57	0.82	0.55	-1.39	0.47	2.77	0.15	0.83									
B2-KEYSTONE	3.70	2.10	0.32		1.61	0.32		1.05	-1.81	0.35	0.42	0.64	-0.24	2.97			
B3-C13-STYLE	0.79	0.25	-0.69		0.58	-0.16	-0.26			-1.08	0.43						
B4-SQUARE CUT	0.87	-2.08	0.06	-0.59	-0.90	2.14	0.28	0.04									
B5-1-SEQ V PISTONS(TH ONLY)																-0.91	
B5-2-SEQ V PISTONS(TH ONLY)																-0.35	
B5-3-SEQ V PISTONS(TH ONLY)																-0.73	
B5-4-SEQ V PISTONS(TH ONLY)																-1.09	
B5-5-SEQ V PISTONS(TH ONLY)																-2.24	
B5-6-SEQ V PISTONS(TH ONLY)																-1.94	
B5-7-SEQ V PISTONS(TH ONLY)																-1.00	
B5-8-SEQ V PISTONS(TH ONLY)																-1.23	
B6-ARTICULATED 2-PIECE	3.08	-1.68	2.19		3.01	-0.07	0.45	1.75		0.33	0.59	0.34	0.49	0.61		0.87	
C1-SQUARE CUT	-0.65	-1.13	1.35	-1.34	0.74	-0.48	1.73	-0.31									
C2-KEYSTONE	0.55	0.60	-0.57		0.94	-0.33		-0.02	-0.80	-0.40	0.08	-1.39	0.95	2.69			
C3-C13-STYLE																	
C4-SQUARE CUT	0.93	-0.18	-0.04	3.24	-0.23	1.06	-0.55	1.37									
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE	0.22	-1.26	0.07	2.37	-0.03	0.46	0.26		-1.50	0.08	0.54	-0.52	0.52			0.60	
CAL1A-CALIBRATION PISTON	1.24	0.64	-0.29		-0.66	-0.79		-0.48									
CAL1B-CALIBRATION PISTON	1.29	-0.05	0.94		-1.12	-0.98		1.24									
CAL1C-CALIBRATION PISTON	1.55	1.35	2.60		-1.11	0.59		0.04									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
H-2-SEQ V PISTONS(TH ONLY)																	
H-3-SEQ V PISTONS(TH ONLY)																	
H-4-SEQ V PISTONS(TH ONLY)																	
H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
I-2-SEQ V PISTONS(TH ONLY)																	
I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	3.70	2.10	2.60	3.24	3.01	2.77	1.73	1.75	-1.81	-1.50	0.59	-1.39	0.95	2.97		0.87	-2.24
MINIMUM	0.22	-0.05	-0.04	-0.59	-0.23	-0.03	0.15	-0.02	-0.80	0.33	0.08	0.34	-0.24	0.52		0.60	-0.35
RANGE(MAX-MIN)	3.480	2.150	2.640	3.830	3.240	2.800	1.580	1.770	-1.010	-1.830	0.510	-1.730	1.190	2.450		0.270	-1.890
MEAN	1.262	-0.052	0.541	-0.020	0.080	0.337	0.323	0.525	-1.305	-0.460	0.320	0.033	0.170	1.698		0.735	-1.186
STANDARD DEVIATION	1.174	1.270	1.047	2.204	1.445	1.145	0.724	0.751	0.714	0.829	0.229	0.956	0.672	1.313		0.191	0.622

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Shoda, Ronald

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	-1.09	1.18	0.63	-0.32	1.18	0.53	-0.55	-1.35										
B2-KEYSTONE	-0.38	-0.37	-1.29		-0.73	0.54		-0.31	-0.56	1.32	0.45	-0.28	-0.24	-0.49				
B3-C13-STYLE	-0.36	2.43	-0.17		0.37	0.63	0.69			-0.17	-1.46							
B4-SQUARE CUT	-0.84	1.29	-0.25	-0.59	0.92	-0.29	0.40	-0.67										
B5-1-SEQ V PISTONS(TH ONLY)																	0.56	
B5-2-SEQ V PISTONS(TH ONLY)																	0.68	
B5-3-SEQ V PISTONS(TH ONLY)																	0.77	
B5-4-SEQ V PISTONS(TH ONLY)																	0.84	
B5-5-SEQ V PISTONS(TH ONLY)																	0.54	
B5-6-SEQ V PISTONS(TH ONLY)																	0.43	
B5-7-SEQ V PISTONS(TH ONLY)																	0.58	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.05	
B6-ARTICULATED 2-PIECE	-0.66	-0.44	-0.78		0.26	1.47	-0.48	-0.77		-0.50	-0.69	-0.11	0.01	0.26			-0.99	
C1-SQUARE CUT	-0.60	1.40	-0.67	-0.38	-0.24	0.99	-0.04	0.46										
C2-KEYSTONE	-0.08	-0.54	-0.41		0.34	0.71		-0.17	-0.28	0.55	-0.15	-0.61	-0.63	-0.58				
C3-C13-STYLE																		
C4-SQUARE CUT	-0.63	-1.06	0.02	-0.22	-0.25	-0.40	-0.35	-1.35										
C5-SEQUENCE III	-0.52	0.16	-0.21		0.04	1.36					1.12				-0.13	0.17		
C6-ARTICULATED 2-PIECE	-0.51	-0.07	0.49		0.64	1.15	0.02	-0.54		-0.74	-0.79	-0.15	-0.36	-0.34			-1.36	
CAL1A-CALIBRATION PISTON	-1.25	-0.48	-0.29		-1.95	1.68		0.03										
CAL1B-CALIBRATION PISTON	-0.74	0.65	0.45		1.03	0.73		-0.98										
CAL1C-CALIBRATION PISTON	0.48	-0.69	-0.42		-0.14	0.14		1.33										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
G-5-SEQ V PISTONS(TH ONLY)																		
G-6-SEQ V PISTONS(TH ONLY)																		
G-7-SEQ V PISTONS(TH ONLY)																		
G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
H-2-SEQ V PISTONS(TH ONLY)																		
H-3-SEQ V PISTONS(TH ONLY)																		
H-4-SEQ V PISTONS(TH ONLY)																		
H-5-SEQ V PISTONS(TH ONLY)																		
H-6-SEQ V PISTONS(TH ONLY)																		
H-7-SEQ V PISTONS(TH ONLY)																		
H-8-SEQ V PISTONS(TH ONLY)																		
I-1-SEQ V PISTONS(TH ONLY)																		
I-2-SEQ V PISTONS(TH ONLY)																		
I-3-SEQ V PISTONS(TH ONLY)																		
I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.25	2.43	-1.29	-0.59	-1.95	1.68	0.69	-1.35	-0.56	1.32	-1.46	-0.61	-0.63	-0.58	-0.13	0.17	-1.36	0.84
MINIMUM	-0.08	-0.07	0.02	-0.22	0.04	0.14	0.02	0.03	-0.28	-0.17	-0.15	-0.11	0.01	0.26	-0.13	0.17	-0.99	-0.05
RANGE(MAX-MIN)	-1.170	2.500	-1.310	-0.370	-1.990	1.540	0.670	-1.380	-0.280	1.490	-1.310	-0.500	-0.640	-0.840	0.000	0.000	-0.370	0.890
MEAN	-0.552	0.266	-0.223	-0.378	0.113	0.711	-0.044	-0.393	-0.420	0.092	-0.253	-0.288	-0.305	-0.288	-0.130	0.170	-1.175	0.544
STANDARD DEVIATION	0.435	1.037	0.538	0.156	0.834	0.635	0.462	0.797	0.198	0.841	0.930	0.227	0.266	0.378	0.000	0.000	0.262	0.274

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Sherrod, Jeff

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT	-0.17	-0.79	1.02	-0.70	-0.48	0.48	-0.20	1.53									
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT	-0.52	0.48	1.25	-1.14	2.58	0.64	1.31	0.46									
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE	0.12	-0.41	-0.28		-0.35	0.92	-0.17	1.95		1.84	-0.58	-0.46	-0.56	0.91		0.25	
B1-SQUARE CUT	-0.67	0.93	1.46	-0.32	-0.86	0.87	2.12	-1.35									
B2-KEYSTONE																	
B3-C13-STYLE																	
B4-SQUARE CUT	-1.00	-0.77	3.48	1.44	0.76	1.71	0.87	0.25									
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT																	
C2-KEYSTONE																	
C3-C13-STYLE																	
C4-SQUARE CUT	0.49	-1.26	-0.30	-0.71	-0.13	1.28	0.92	0.51									
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE																	
CAL1A-CALIBRATION PISTON	-0.22	-0.63	-0.29		-0.48	0.00		1.04									
CAL1B-CALIBRATION PISTON	-0.65	0.90	-0.39		1.62	-0.24		0.03									
CAL1C-CALIBRATION PISTON	0.18	1.24	-0.42		0.88	-0.13		0.69									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
H-2-SEQ V PISTONS(TH ONLY)																	
H-3-SEQ V PISTONS(TH ONLY)																	
H-4-SEQ V PISTONS(TH ONLY)																	
H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
I-2-SEQ V PISTONS(TH ONLY)																	
I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	-1.00	-1.26	3.48	1.44	2.58	1.71	2.12	1.95		1.84	-0.58	-0.46	-0.56	0.91		0.25	
MINIMUM	0.12	-0.41	-0.28	-0.32	-0.13	0.00	-0.17	0.03		1.84	-0.58	-0.46	-0.56	0.91		0.25	
RANGE(MAX-MIN)	-1.120	-0.850	3.760	1.760	2.710	1.710	2.290	1.920		0.000	0.000	0.000	0.000	0.000		0.000	
MEAN	-0.271	-0.034	0.614	-0.286	0.393	0.614	0.808	0.568		1.840	-0.580	-0.460	-0.560	0.910		0.250	
STANDARD DEVIATION	0.480	0.922	1.324	1.008	1.150	0.660	0.890	0.946		0.000	0.000	0.000	0.000	0.000		0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Seiz, Ray

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT	1.29	-0.84	0.00	0.78	-0.90	-0.37	0.06	1.33									
A2-KEYSTONE	-0.74	-0.22	-1.29		-0.17	-0.34		-0.62	-1.04	-0.27	-0.13	-1.16	0.00	0.00			
A3-C13-STYLE	-1.30	-1.75	-0.73		0.98	-0.23	0.29			0.34	0.00						
A4-SQUARE CUT	1.61	-0.27	0.25	-0.37	1.42	-0.58	-0.42	1.95									
A5-SEQUENCE III	-0.03	1.51	-0.27		-0.12	1.10					0.43				-0.61	0.22	
A6-ARTICULATED 2-PIECE	-0.35	-1.15	-0.20		0.39	-0.73	1.58	-1.30		0.85	-0.26	-0.83	-0.56	-0.13		0.18	
B1-SQUARE CUT	0.87	-1.27	-0.92	0.58	0.50	0.05	-0.46	2.42									
B2-KEYSTONE	-0.17	-0.37	-1.21		0.21	-0.38		-0.70	-1.01	1.16	0.05	-1.30	-0.24	-0.49			
B3-C13-STYLE																	
B4-SQUARE CUT	1.70	0.86	0.00	1.65	1.18	-0.88	-0.33	2.52									
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE	-1.19	0.18	-0.14		0.81	-0.93	-0.23	-0.24		1.62	0.36	-0.56	0.97	-1.13		0.16	
C1-SQUARE CUT																	
C2-KEYSTONE																	
C3-C13-STYLE																	
C4-SQUARE CUT																	
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE																	
CAL1A-CALIBRATION PISTON	0.64	0.14	0.95		0.60	-0.97		-0.38									
CAL1B-CALIBRATION PISTON	0.62	-0.32	0.17		0.31	-0.44		0.64									
CAL1C-CALIBRATION PISTON	0.22	-1.00	-0.46		-0.15	0.39		-1.89									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
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I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	1.70	-1.75	-1.29	1.65	1.42	1.10	1.58	2.52	-1.04	1.62	0.43	-1.30	0.97	-1.13	-0.61	0.22	0.18
MINIMUM	-0.03	0.14	0.00	-0.37	-0.12	0.05	0.06	-0.24	-1.01	-0.27	0.00	-0.56	0.00	0.00	-0.61	0.22	0.16
RANGE(MAX-MIN)	1.730	-1.890	-1.290	2.020	1.540	1.050	1.520	2.760	-0.030	1.890	0.430	-0.740	0.970	-1.130	0.000	0.000	0.020
MEAN	0.244	-0.346	-0.296	0.660	0.389	-0.332	0.070	0.339	-1.025	0.740	0.075	-0.963	0.043	-0.438	-0.610	0.220	0.170
STANDARD DEVIATION	0.991	0.893	0.626	0.829	0.635	0.579	0.719	1.525	0.021	0.732	0.271	0.333	0.660	0.506	0.000	0.000	0.014

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Schakel, J.J.

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	0.50	0.07	0.10	0.64	2.34	-0.33	0.44	-1.08											
A2-KEYSTONE	1.67	-0.60	0.35		1.68	-0.31			-1.85	-0.80	-1.60	0.29	-0.48	0.00	0.00				
A3-C13-STYLE																			
A4-SQUARE CUT	-0.01	-2.01	-0.49	2.44	0.81	0.35	0.55	-2.15											
A5-SEQUENCE III	3.87	-0.82	-0.50		0.26	0.01					0.01					-1.06	-1.23		
A6-ARTICULATED 2-PIECE																			
B1-SQUARE CUT																			
B2-KEYSTONE																			
B3-C13-STYLE																			
B4-SQUARE CUT																			
B5-1-SEQ V PISTONS(TH ONLY)																			
B5-2-SEQ V PISTONS(TH ONLY)																			
B5-3-SEQ V PISTONS(TH ONLY)																			
B5-4-SEQ V PISTONS(TH ONLY)																			
B5-5-SEQ V PISTONS(TH ONLY)																			
B5-6-SEQ V PISTONS(TH ONLY)																			
B5-7-SEQ V PISTONS(TH ONLY)																			
B5-8-SEQ V PISTONS(TH ONLY)																			
B6-ARTICULATED 2-PIECE																			
C1-SQUARE CUT	1.42	0.45	-0.44	0.58	0.68	1.12	0.04	-0.31											
C2-KEYSTONE	3.16	0.03	0.12		-0.34	-1.49	3.37	0.19	0.23	-0.59	2.06	2.53	1.60						
C3-C13-STYLE	-0.04	0.03	-0.42		2.43	0.87	-0.25			-0.17	-0.80								
C4-SQUARE CUT	1.16	-0.46	-0.30	-0.02	-0.10	-0.96	-0.75	-1.35											
C5-SEQUENCE III	-0.16	0.76	0.57		0.28	0.28				-1.27					0.16	2.46			
C6-ARTICULATED 2-PIECE	3.36	0.42	-0.02		-0.14	0.05	0.32	2.97	1.26	-1.35	-0.83	1.80	0.09			-0.21			
CAL1A-CALIBRATION PISTON	0.48	2.69	-1.41		0.82	-0.61		-2.00											
CAL1B-CALIBRATION PISTON	0.67	-0.54	-1.23		0.87	-0.29		-0.57											
CAL1C-CALIBRATION PISTON	-0.98	-0.76	-1.18		-0.66	0.43		-0.60											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
G-3-SEQ V PISTONS(TH ONLY)																			
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I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	3.87	2.69	-1.41	2.44	2.43	-1.49	-0.75	3.37	-0.80	-1.60	-1.35	2.06	2.53	1.60	-1.06	2.46	-0.21		
MINIMUM	-0.01	0.03	-0.02	-0.02	-0.10	0.01	0.04	-0.31	0.19	-0.17	0.01	-0.48	0.00	0.00	0.16	-1.23	-0.21		
RANGE(MAX-MIN)	3.880	2.660	-1.390	2.460	2.530	-1.500	-0.790	3.680	-0.990	-1.430	-1.360	2.540	2.530	1.600	-1.220	3.690	0.000		
MEAN	1.162	-0.057	-0.373	0.910	0.687	-0.068	0.058	-0.357	-0.305	-0.070	-0.618	0.250	1.443	0.563	-0.450	0.615	-0.210		
STANDARD DEVIATION	1.494	1.092	0.613	1.063	0.972	0.715	0.491	1.964	0.700	1.185	0.665	1.577	1.302	0.899	0.863	2.609	0.000		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Sanchez, Arthur

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	-1.94	0.38	1.02	0.64	0.10	-0.89	-0.59	0.53										
A2-KEYSTONE	-0.02	-0.80	-1.16		0.74	-0.43	-0.59	1.84	0.36	0.01	0.71	-0.71	0.00	0.00				
A3-C13-STYLE	0.56	-0.97	-0.48		-0.10	-0.42	-0.02				-0.67	0.42						
A4-SQUARE CUT	-0.14	0.26	-0.37	0.20	-0.19	-0.84	-0.98	-1.28										
A5-SEQUENCE III	-0.26	-0.97	-0.97		1.17	-1.12					0.87				1.28	1.67		
A6-ARTICULATED 2-PIECE	0.05	0.56	-0.68		0.52	-0.42	-0.03	1.39		-0.34	1.19	-0.46	0.71	0.91		0.25		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.79	-1.74	-0.29		0.55	0.07		0.73										
CAL1B-CALIBRATION PISTON	1.50	2.10	-1.61		0.12	-0.17		-0.98										
CAL1C-CALIBRATION PISTON	0.15	2.95	-0.04		-0.72	0.21		0.04										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
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I-3-SEQ V PISTONS(TH ONLY)																		
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I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.94	2.95	-1.61	0.64	1.17	-1.12	-0.98	1.84	0.36	-0.67	1.19	-0.71	0.71	0.91	1.28	1.67	0.25	
MINIMUM	-0.02	0.26	-0.04	0.20	0.10	0.07	-0.02	0.04	0.36	0.01	0.42	-0.46	0.00	0.00	1.28	1.67	0.25	
RANGE(MAX-MIN)	-1.920	2.690	-1.570	0.440	1.070	-1.190	-0.960	1.800	0.000	-0.680	0.770	-0.250	0.710	0.910	0.000	0.000	0.000	
MEAN	0.077	0.197	-0.509	0.420	0.243	-0.446	-0.405	0.324	0.360	-0.333	0.798	-0.585	0.355	0.455	1.280	1.670	0.250	
STANDARD DEVIATION	0.936	1.535	0.750	0.311	0.564	0.445	0.467	1.154	0.000	0.340	0.321	0.177	0.502	0.643	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Rodriguez, Jesus (Jesse)

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT																	
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE																	
B1-SQUARE CUT	-1.38	-0.36	-0.07	-1.04	0.28	-0.89	0.20	-1.55									
B2-KEYSTONE	-0.53	0.25	0.64		-0.58	0.26		-0.50	0.01	0.57	0.03	0.03	-0.24	-0.49			
B3-C13-STYLE	1.96	-0.87	-0.50		0.21	-0.56	0.84			0.56	1.13						
B4-SQUARE CUT	0.91	1.43	-0.25	0.43	-0.47	-0.15	0.31	-0.67									
B5-1-SEQ V PISTONS(TH ONLY)																0.50	
B5-2-SEQ V PISTONS(TH ONLY)																0.29	
B5-3-SEQ V PISTONS(TH ONLY)																0.32	
B5-4-SEQ V PISTONS(TH ONLY)																0.51	
B5-5-SEQ V PISTONS(TH ONLY)																0.41	
B5-6-SEQ V PISTONS(TH ONLY)																0.30	
B5-7-SEQ V PISTONS(TH ONLY)																1.08	
B5-8-SEQ V PISTONS(TH ONLY)																-0.19	
B6-ARTICULATED 2-PIECE	0.20	0.81	-0.45		-0.37	-0.49	-0.58	-1.11		-0.81	0.12	-1.01	-1.18	-0.26		-0.06	
C1-SQUARE CUT	1.28	-0.40	0.85	-0.38	-0.80	0.46	-0.62	0.20									
C2-KEYSTONE																	
C3-C13-STYLE																	
C4-SQUARE CUT																	
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE																	
CAL1A-CALIBRATION PISTON	0.72	0.29	-0.29		0.41	0.13		0.23									
CAL1B-CALIBRATION PISTON	0.62	0.48	-0.81		0.52	-1.74		0.24									
CAL1C-CALIBRATION PISTON	0.79	0.50	-0.42		0.02	-2.24		-0.39									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
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H-8-SEQ V PISTONS(TH ONLY)																	
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I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	1.96	1.43	0.85	-1.04	-0.80	-2.24	0.84	-1.55	0.01	-0.81	1.13	-1.01	-1.18	-0.49		-0.06	1.08
MINIMUM	0.20	0.25	-0.07	-0.38	0.02	0.13	0.20	0.20	0.01	0.56	0.03	0.03	-0.24	-0.26		-0.06	-0.19
RANGE(MAX-MIN)	1.760	1.180	0.920	-0.660	-0.820	-2.370	0.640	-1.750	0.000	-1.370	1.100	-1.040	-0.940	-0.230		0.000	1.270
MEAN	0.508	0.237	-0.144	-0.330	-0.087	-0.580	0.030	-0.444	0.010	0.107	0.427	-0.490	-0.710	-0.375		-0.060	0.403
STANDARD DEVIATION	0.984	0.696	0.546	0.736	0.478	0.914	0.624	0.661	0.000	0.794	0.611	0.735	0.665	0.163		0.000	0.351

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Richerson, Jay

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

PartID	YI Values																	
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III	-0.26	-0.58	2.01		-1.55	1.09					-1.17				0.21	-1.10		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	-1.00	1.22	-0.04	0.76	-1.28	-0.36	-0.18	-0.76										
B2-KEYSTONE	-0.12	-1.17	-0.51		1.18	2.24		1.24	0.63	-1.13	3.15	1.46	-0.24	-0.49				
B3-C13-STYLE	-0.15	-0.03	0.51		2.29	0.32	1.49			-1.53	0.43							
B4-SQUARE CUT	-0.96	-1.25	-0.88	-1.50	-1.70	-0.42	0.73	-1.03										
B5-1-SEQ V PISTONS(TH ONLY)																	-1.85	
B5-2-SEQ V PISTONS(TH ONLY)																	-1.92	
B5-3-SEQ V PISTONS(TH ONLY)																	-1.77	
B5-4-SEQ V PISTONS(TH ONLY)																	-1.71	
B5-5-SEQ V PISTONS(TH ONLY)																	-1.35	
B5-6-SEQ V PISTONS(TH ONLY)																	-1.29	
B5-7-SEQ V PISTONS(TH ONLY)																	-2.11	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.68	
B6-ARTICULATED 2-PIECE	0.58	-1.19	1.22		-1.25	-1.10	-0.64	-1.72		-0.23	0.83	-0.56	0.49	3.04		0.98		
C1-SQUARE CUT	-0.98	-0.15	-0.18	-0.38	-2.15	0.64	-0.98	-0.83										
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III	0.37	-1.88	0.50		-0.60	-0.54					0.93				1.89	0.17		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	-0.67	-1.49	-1.28		-2.84	-0.76		0.94										
CAL1B-CALIBRATION PISTON	0.57	-1.87	1.81		-2.16	1.17		-2.19										
CAL1C-CALIBRATION PISTON	0.68	-1.63	-0.87		-0.92	0.11		2.41										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
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H-1-SEQ V PISTONS(TH ONLY)																		
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H-8-SEQ V PISTONS(TH ONLY)																		
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I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.00	-1.88	2.01	-1.50	-2.84	2.24	1.49	2.41	0.63	-1.53	3.15	1.46	0.49	3.04	1.89	-1.10	0.98	-2.11
MINIMUM	-0.12	-0.03	-0.04	-0.38	-0.60	0.11	-0.18	-0.76	0.63	-0.23	0.43	-0.56	-0.24	-0.49	0.21	0.17	0.98	-0.68
RANGE(MAX-MIN)	-0.880	-1.850	2.050	-1.120	-2.240	2.130	1.670	3.170	0.000	-1.300	2.720	2.020	0.730	3.530	1.680	-1.270	0.000	-1.430
MEAN	-0.176	-0.911	0.208	-0.373	-0.998	0.217	0.084	-0.243	0.630	-0.963	0.834	0.450	0.125	1.275	1.050	-0.465	0.980	-1.585
STANDARD DEVIATION	0.660	0.947	1.109	1.130	1.508	0.998	1.015	1.596	0.000	0.666	1.545	1.428	0.516	2.496	1.188	0.898	0.000	0.458

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Pitta, Jimmy

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT																	
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE																	
B1-SQUARE CUT	0.72	-1.54	-1.25	-1.93	-0.85	-0.86	-1.16	-1.35									
B2-KEYSTONE																	
B3-C13-STYLE																	
B4-SQUARE CUT	-0.51	0.01	-0.25	-1.60	-0.74	0.05	0.20	-0.81									
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT	-0.44	-1.01	-1.20	-1.34	-0.77	0.66	-0.27	-0.31									
C2-KEYSTONE	-0.08	1.74	-0.38		-0.71	-1.93		-0.80	-1.16	-1.33	-0.11	0.33	-0.63	-0.58			
C3-C13-STYLE	0.87	0.92	-1.15		0.29	0.20	0.32			0.39	-1.12						
C4-SQUARE CUT	0.74	0.30	-0.46	-1.11	-0.89	0.10	0.45	-0.92									
C5-SEQUENCE III	-1.23	-1.22	1.34		-0.34	0.86					1.15				0.79	-1.04	
C6-ARTICULATED 2-PIECE	-0.19	-0.61	0.57		-1.53	0.24	-0.71	-0.65		-1.54	0.58	-1.00	-1.52	-0.77			-0.35
CAL1A-CALIBRATION PISTON	0.28	-0.79	-1.41		-1.77	-0.82		0.84									
CAL1B-CALIBRATION PISTON	0.51	-0.78	-1.09		-1.90	-0.29		-0.17									
CAL1C-CALIBRATION PISTON	-1.60	-0.24	2.78		-1.05	-0.60		-1.24									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
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H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
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I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	-1.60	1.74	2.78	-1.93	-1.90	-1.93	-1.16	-1.35	-1.16	-1.54	1.15	-1.00	-1.52	-0.77	0.79	-1.04	-0.35
MINIMUM	-0.08	0.01	-0.25	-1.11	0.29	0.05	0.20	-0.17	-1.16	0.39	-0.11	0.33	-0.63	-0.58	0.79	-1.04	-0.35
RANGE(MAX-MIN)	-1.520	1.730	3.030	-0.820	-2.190	-1.980	-1.360	-1.180	0.000	-1.930	1.260	-1.330	-0.890	-0.190	0.000	0.000	0.000
MEAN	-0.085	-0.293	-0.227	-1.495	-0.933	-0.217	-0.195	-0.601	-1.160	-0.827	0.125	-0.335	-1.075	-0.675	0.790	-1.040	-0.350
STANDARD DEVIATION	0.816	0.978	1.312	0.352	0.631	0.797	0.639	0.662	0.000	1.059	0.977	0.940	0.629	0.134	0.000	0.000	0.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= May, Marianne

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	0.10	1.13	1.32	1.71	0.28	-0.50	-0.28	0.73										
A2-KEYSTONE	-0.74	0.88	-0.79		-1.19	-0.81		-0.44	-0.45	-0.91	-0.87	0.65	0.00	0.00				
A3-C13-STYLE	0.05	1.68	2.42		0.50	2.45	1.99			0.41	-1.27							
A4-SQUARE CUT	0.21	0.94	0.50	1.04	0.05	-0.78	-0.77	0.58										
A5-SEQUENCE III	-0.26	1.51	-0.07		0.81	1.32					0.43				0.11	0.35		
A6-ARTICULATED 2-PIECE	-0.35	1.57	1.55		1.68	0.38	-0.47	-0.45		-0.08	1.06	-0.09	0.08	-0.13			-0.55	
B1-SQUARE CUT	-0.02	0.00	-0.37	1.03	0.97	-0.74	-0.18	-0.16										
B2-KEYSTONE	-0.17	-0.37	-1.11		-0.69	-0.34		-0.40	-0.39	-0.16	-0.81	-0.58	-0.24	0.89				
B3-C13-STYLE																		
B4-SQUARE CUT	-0.47	0.11	-0.38	1.14	0.34	-0.15	-0.66	0.18										
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE	0.21	1.55	0.01		0.31	-0.31	-0.04	0.80		0.30	-0.81	0.34	-0.46	0.43			1.33	
C1-SQUARE CUT	2.02	0.05	-0.94	-1.15	0.00	-0.94	-0.27	-0.05										
C2-KEYSTONE	-0.14	-2.24	-0.13		-0.42	0.53		-0.41	-0.49	-0.88	-0.75	-1.04	-0.63	0.51				
C3-C13-STYLE																		
C4-SQUARE CUT	-0.52	-0.53	-0.29	-0.27	0.09	-0.26	-0.23	0.08										
C5-SEQUENCE III	-0.69	1.19	-1.08		-0.80	0.28					0.65				-0.28	-0.31		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.11	0.69	-1.41		0.91	0.60		1.14										
CAL1B-CALIBRATION PISTON	0.03	0.41	-1.23		1.52	0.68		0.64										
CAL1C-CALIBRATION PISTON	1.09	-0.43	0.26		1.12	1.17		-0.81										
G-1-SEQ V PISTONS(TH ONLY)																	-0.71	
G-2-SEQ V PISTONS(TH ONLY)																	0.71	
G-3-SEQ V PISTONS(TH ONLY)																	-0.71	
G-4-SEQ V PISTONS(TH ONLY)																	-0.71	
G-5-SEQ V PISTONS(TH ONLY)																	0.71	
G-6-SEQ V PISTONS(TH ONLY)																	-0.71	
G-7-SEQ V PISTONS(TH ONLY)																	-0.71	
G-8-SEQ V PISTONS(TH ONLY)																	-0.71	
H-1-SEQ V PISTONS(TH ONLY)																	-0.71	
H-2-SEQ V PISTONS(TH ONLY)																	0.71	
H-3-SEQ V PISTONS(TH ONLY)																	0.71	
H-4-SEQ V PISTONS(TH ONLY)																	-0.71	
H-5-SEQ V PISTONS(TH ONLY)																	-0.71	
H-6-SEQ V PISTONS(TH ONLY)																	-0.71	
H-7-SEQ V PISTONS(TH ONLY)																	-0.71	
H-8-SEQ V PISTONS(TH ONLY)																	0.71	
I-1-SEQ V PISTONS(TH ONLY)																	0.71	
I-2-SEQ V PISTONS(TH ONLY)																	0.71	
I-3-SEQ V PISTONS(TH ONLY)																	0.71	
I-4-SEQ V PISTONS(TH ONLY)																	-0.71	
I-5-SEQ V PISTONS(TH ONLY)																	-0.71	
I-6-SEQ V PISTONS(TH ONLY)																	-0.71	
I-7-SEQ V PISTONS(TH ONLY)																	-0.71	
I-8-SEQ V PISTONS(TH ONLY)																	-0.71	
MAXIMUM	2.02	-2.24	2.42	1.71	1.68	2.45	1.99	1.14	-0.49	-0.91	-1.27	-1.04	-0.63	0.89	-0.28	0.35	1.33	-0.71
MINIMUM	-0.02	0.00	0.01	-0.27	0.00	-0.15	-0.04	-0.05	-0.39	-0.08	0.43	-0.09	0.00	0.00	0.11	-0.31	-0.55	-0.71
RANGE(MAX-MIN)	2.040	-2.240	2.410	1.980	1.680	2.600	2.030	1.190	-0.100	-0.830	-1.700	-0.950	-0.630	0.890	-0.390	0.660	1.880	0.000
MEAN	0.027	0.479	-0.102	0.583	0.322	0.152	-0.101	0.102	-0.443	-0.220	-0.296	-0.144	-0.250	0.340	-0.085	0.020	0.390	-0.237
STANDARD DEVIATION	0.667	1.022	1.059	1.070	0.803	0.912	0.818	0.590	0.050	0.566	0.868	0.682	0.300	0.411	0.276	0.467	1.329	0.684

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lopez, Frank

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	0.95	0.14	0.00	-0.70	-0.66	0.59	0.35	-0.27											
A2-KEYSTONE	-0.74	0.99	0.89		-0.74	0.95		0.96	-0.10	1.45	0.65	-0.48	0.00	0.00					
A3-C13-STYLE	-1.04	0.56	-0.88		-0.49	0.58	-0.36			1.24	0.99								
A4-SQUARE CUT	-0.24	0.00	-0.62	0.01	0.59	1.48	0.55	-1.16				0.76			-0.10	0.09			
A5-SEQUENCE III	-0.26	1.57	-0.40		0.57	0.62													
A6-ARTICULATED 2-PIECE	-0.35	-0.33	-0.81		0.40	-0.73	-0.77	-0.03		0.72	-1.09	-1.56	-0.24	-1.18			-0.04		
B1-SQUARE CUT	1.42	0.23	-0.07	-1.22	1.88	0.34	-1.02	0.44											
B2-KEYSTONE																			
B3-C13-STYLE																			
B4-SQUARE CUT	-1.29	0.21	-0.25	1.04	0.97	-0.55	-1.22	-1.10											
B5-1-SEQ V PISTONS(TH ONLY)																			
B5-2-SEQ V PISTONS(TH ONLY)																			
B5-3-SEQ V PISTONS(TH ONLY)																			
B5-4-SEQ V PISTONS(TH ONLY)																			
B5-5-SEQ V PISTONS(TH ONLY)																			
B5-6-SEQ V PISTONS(TH ONLY)																			
B5-7-SEQ V PISTONS(TH ONLY)																			
B5-8-SEQ V PISTONS(TH ONLY)																			
B6-ARTICULATED 2-PIECE																			
C1-SQUARE CUT																			
C2-KEYSTONE																			
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III																			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON	0.47	0.32	-0.29		1.18	-0.64		0.33											
CAL1B-CALIBRATION PISTON	0.10	0.96	0.24		0.65	-0.15		-1.38											
CAL1C-CALIBRATION PISTON	0.98	-0.17	1.65		1.18	2.11		-0.17											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
G-3-SEQ V PISTONS(TH ONLY)																			
G-4-SEQ V PISTONS(TH ONLY)																			
G-5-SEQ V PISTONS(TH ONLY)																			
G-6-SEQ V PISTONS(TH ONLY)																			
G-7-SEQ V PISTONS(TH ONLY)																			
G-8-SEQ V PISTONS(TH ONLY)																			
H-1-SEQ V PISTONS(TH ONLY)																			
H-2-SEQ V PISTONS(TH ONLY)																			
H-3-SEQ V PISTONS(TH ONLY)																			
H-4-SEQ V PISTONS(TH ONLY)																			
H-5-SEQ V PISTONS(TH ONLY)																			
H-6-SEQ V PISTONS(TH ONLY)																			
H-7-SEQ V PISTONS(TH ONLY)																			
H-8-SEQ V PISTONS(TH ONLY)																			
I-1-SEQ V PISTONS(TH ONLY)																			
I-2-SEQ V PISTONS(TH ONLY)																			
I-3-SEQ V PISTONS(TH ONLY)																			
I-4-SEQ V PISTONS(TH ONLY)																			
I-5-SEQ V PISTONS(TH ONLY)																			
I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	1.42	1.57	1.65	-1.22	1.88	2.11	-1.22	-1.38	-0.10	1.45	-1.09	-1.56	-0.24	-1.18	-0.10	0.09	-0.04		
MINIMUM	0.10	0.00	0.00	0.01	0.40	-0.15	0.35	-0.03	-0.10	0.72	0.65	-0.48	0.00	0.00	-0.10	0.09	-0.04		
RANGE(MAX-MIN)	1.320	1.570	1.650	-1.230	1.480	2.260	-1.570	-1.350	0.000	0.730	-1.740	-1.080	-0.240	-1.180	0.000	0.000	0.000		
MEAN	0.000	0.407	-0.049	-0.218	0.503	0.418	-0.412	-0.264	-0.100	1.137	0.328	-1.020	-0.120	-0.590	-0.100	0.090	-0.040		
STANDARD DEVIATION	0.875	0.567	0.753	0.978	0.834	0.899	0.729	0.803	0.000	0.376	0.956	0.764	0.170	0.834	0.000	0.000	0.000		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lonsway, Chris

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	-2.03	-0.27	-0.51	-0.70	-0.21	-0.56	-0.04	-1.28											
A2-KEYSTONE	-0.74	0.19	1.51		0.31	1.30		-0.44	0.88	1.02	0.10	-0.48	0.00	0.00					
A3-C13-STYLE	-0.58	0.62	-1.33		-1.11	-0.22	-1.88				-1.37	-1.55							
A4-SQUARE CUT	-2.33	0.86	-0.62	-0.63	-0.26	0.00	-0.35	-1.53											
A5-SEQUENCE III	-0.26	-0.37	-0.29		-1.26	0.04					0.68				-0.04	0.75			
A6-ARTICULATED 2-PIECE	-0.35	-0.79	-0.28		-0.12	-0.61	-0.41	-0.59		-1.51	-1.21	-0.83	-1.19	-0.13			-1.14		
B1-SQUARE CUT																			
B2-KEYSTONE	-0.31	-0.37	1.25		-0.90	-1.02		-0.70	-0.05	0.84	-0.84	0.03	-0.24	0.89					
B3-C13-STYLE																			
B4-SQUARE CUT																			
B5-1-SEQ V PISTONS(TH ONLY)																			
B5-2-SEQ V PISTONS(TH ONLY)																			
B5-3-SEQ V PISTONS(TH ONLY)																			
B5-4-SEQ V PISTONS(TH ONLY)																			
B5-5-SEQ V PISTONS(TH ONLY)																			
B5-6-SEQ V PISTONS(TH ONLY)																			
B5-7-SEQ V PISTONS(TH ONLY)																			
B5-8-SEQ V PISTONS(TH ONLY)																			
B6-ARTICULATED 2-PIECE																			
C1-SQUARE CUT																			
C2-KEYSTONE																			
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III																			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON	0.11	1.76	2.19		-0.47	-0.83		0.33											
CAL1B-CALIBRATION PISTON	0.42	0.80	1.60		-1.30	-0.75		-0.57											
CAL1C-CALIBRATION PISTON	-2.16	1.21	-0.23		0.04	-0.58		-0.60											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
G-3-SEQ V PISTONS(TH ONLY)																			
G-4-SEQ V PISTONS(TH ONLY)																			
G-5-SEQ V PISTONS(TH ONLY)																			
G-6-SEQ V PISTONS(TH ONLY)																			
G-7-SEQ V PISTONS(TH ONLY)																			
G-8-SEQ V PISTONS(TH ONLY)																			
H-1-SEQ V PISTONS(TH ONLY)																			
H-2-SEQ V PISTONS(TH ONLY)																			
H-3-SEQ V PISTONS(TH ONLY)																			
H-4-SEQ V PISTONS(TH ONLY)																			
H-5-SEQ V PISTONS(TH ONLY)																			
H-6-SEQ V PISTONS(TH ONLY)																			
H-7-SEQ V PISTONS(TH ONLY)																			
H-8-SEQ V PISTONS(TH ONLY)																			
I-1-SEQ V PISTONS(TH ONLY)																			
I-2-SEQ V PISTONS(TH ONLY)																			
I-3-SEQ V PISTONS(TH ONLY)																			
I-4-SEQ V PISTONS(TH ONLY)																			
I-5-SEQ V PISTONS(TH ONLY)																			
I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-2.33	1.76	2.19	-0.70	-1.30	1.30	-1.88	-1.53	0.88	-1.51	-1.55	-0.83	-1.19	0.89	-0.04	0.75	-1.14		
MINIMUM	0.11	0.19	-0.23	-0.63	0.04	0.00	-0.04	0.33	-0.05	0.84	0.10	0.03	0.00	0.00	-0.04	0.75	-1.14		
RANGE(MAX-MIN)	-2.440	1.570	2.420	-0.070	-1.340	1.300	-1.840	-1.860	0.930	-2.350	-1.650	-0.860	-1.190	0.890	0.000	0.000	0.000		
MEAN	-0.823	0.364	0.329	-0.665	-0.528	-0.323	-0.670	-0.673	0.415	-0.255	-0.564	-0.427	-0.477	0.253	-0.040	0.750	-1.140		
STANDARD DEVIATION	0.989	0.817	1.190	0.049	0.575	0.668	0.823	0.559	0.658	1.371	0.929	0.432	0.629	0.555	0.000	0.000	0.000		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lee, Manuel

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	1.24	0.62	0.47	-0.38	2.36	2.06	2.80	3.04										
C2-KEYSTONE	-1.34	0.67	0.24		2.35	-0.48	-0.72	-0.80	-0.82	2.96	-0.53	0.95	0.51					
C3-C13-STYLE	0.52	0.47	0.90		0.31	0.07	-0.12		-0.24	1.68								
C4-SQUARE CUT	-1.51	-0.77	3.97	1.06	2.59	1.95	1.64	-1.21										
C5-SEQUENCE III	0.55	-0.47	1.48		2.55	2.32				-1.02					1.34	-1.04		
C6-ARTICULATED 2-PIECE	-0.31	2.89	-2.47		-0.66	-2.28	-1.46	-0.91	0.21	1.71	-1.51	1.14	-0.77			1.35		
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
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I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.51	2.89	3.97	1.06	2.59	2.32	2.80	3.04	-0.80	-0.82	2.96	-1.51	1.14	-0.77	1.34	-1.04	1.35	
MINIMUM	-0.31	0.47	0.24	-0.38	0.31	0.07	-0.12	-0.72	-0.80	0.21	-1.02	-0.53	0.95	0.51	1.34	-1.04	1.35	
RANGE(MAX-MIN)	-1.200	2.420	3.730	1.440	2.280	2.250	2.920	3.760	0.000	-1.030	3.980	-0.980	0.190	-1.280	0.000	0.000	0.000	
MEAN	-0.142	0.568	0.765	0.340	1.583	0.607	0.715	0.050	-0.800	-0.283	1.333	-1.020	1.045	-0.130	1.340	-1.040	1.350	
STANDARD DEVIATION	1.110	1.287	2.080	1.018	1.399	1.825	1.882	2.004	0.000	0.516	1.678	0.693	0.134	0.905	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Langford, Mike

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	1.20	2.40	1.02	0.64	-0.63	0.36	-0.12	0.53										
A2-KEYSTONE	1.67	-0.75	-0.86		-0.86	-0.95		1.66	-0.03	-0.54	1.23	0.65	0.00	0.00				
A3-C13-STYLE	0.59	1.11	-0.89		0.74	-0.39	-1.62			1.52	-0.42							
A4-SQUARE CUT	0.19	1.59	1.37	0.52	-0.07	0.64	0.18	0.21										
A5-SEQUENCE III	-0.26	0.03	-1.17		0.08	1.48						-2.99				1.89	1.41	
A6-ARTICULATED 2-PIECE	-0.12	2.23	0.04		-0.62	-0.14	0.00	1.24		0.95	-1.09	2.11	1.67	-0.13			-0.99	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.64	1.91	-0.44	0.58	0.31	-0.99	-0.80	1.23										
C2-KEYSTONE	-0.14	0.03	-1.02		0.01	0.98		0.61	-0.49	-0.36	0.52	0.76	-0.63	-0.58				
C3-C13-STYLE	0.91	0.69	-0.62		0.19	-0.25	-1.17			1.62	-0.84							
C4-SQUARE CUT	0.67	-0.28	-0.16	0.52	-0.05	-0.37	-0.19	0.08										
C5-SEQUENCE III	0.55	0.58	0.90			1.59	0.36				0.98		2.12	0.17				
C6-ARTICULATED 2-PIECE	-0.42	0.24	-0.24		0.02	-0.97	-0.08	0.05		0.52	-0.79	1.05	-0.19	0.95			-1.23	
CAL1A-CALIBRATION PISTON	-0.93	-0.12	0.95		-0.57	-1.21		1.04										
CAL1B-CALIBRATION PISTON	0.41	0.05	-1.51		-0.53	-1.00		0.03										
CAL1C-CALIBRATION PISTON	-0.99	-0.77	0.52		-0.44	-0.39		0.26										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
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G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
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H-8-SEQ V PISTONS(TH ONLY)																		
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I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.67	2.40	-1.51	0.64	1.59	1.48	-1.62	1.66	-0.49	1.62	-2.99	2.11	1.67	0.95	2.12	1.41	-1.23	
MINIMUM	-0.12	0.03	0.04	0.52	0.01	-0.14	0.00	0.03	-0.03	-0.36	-0.42	0.65	0.00	0.00	1.89	0.17	-0.99	
RANGE(MAX-MIN)	1.790	2.370	-1.550	0.120	1.580	1.620	-1.620	1.630	-0.460	1.980	-2.570	1.460	1.670	0.950	0.230	1.240	-0.240	
MEAN	0.265	0.596	-0.141	0.565	-0.055	-0.189	-0.475	0.631	-0.260	0.618	-0.425	1.143	0.213	0.060	2.005	0.790	-1.110	
STANDARD DEVIATION	0.748	1.033	0.906	0.057	0.627	0.806	0.646	0.573	0.325	0.920	1.359	0.667	1.007	0.643	0.163	0.877	0.170	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	-0.97	0.49	-0.92	0.11	-0.42	-1.27	-1.17	-0.88										
A2-KEYSTONE	-0.74	0.19	-1.02		0.17	-0.93		0.08	-1.29	0.26	-0.35	-0.71	0.00	0.00				
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE	-0.24	0.69	-0.61		1.19	-0.89	-0.44	-0.03		-0.10	0.73	-0.09	-0.56	3.00				-0.26
B1-SQUARE CUT	0.01	-1.30	-0.87	-0.41	-0.30	-1.05	-0.51	0.04										
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE	0.02	0.54	-0.27		-0.12	-0.31	0.20	0.02		0.43	1.29	-0.11	-0.10	0.26				0.01
C1-SQUARE CUT	-0.69	-1.13	-1.09	-0.48	0.27	-1.29	-0.98	-1.08										
C2-KEYSTONE	-0.11	-1.11	-0.49		-0.02	-0.29		-0.09	0.19	0.46	-0.67	0.16	-0.63	0.51				
C3-C13-STYLE	0.09	0.11	0.75		-0.40	-0.19	1.68			-0.17	1.92							
C4-SQUARE CUT	-1.09	-0.57	-0.34	-0.32	-0.66	-0.68	-0.75	-0.49										
C5-SEQUENCE III	-0.69	0.78	-1.36		0.26	-1.18					0.82				-1.02	0.17		
C6-ARTICULATED 2-PIECE	-0.53	-0.22	0.45		1.31	0.94	-0.21	-0.43		1.19	1.40	-0.49	0.64	0.95				0.47
CAL1A-CALIBRATION PISTON	0.75	-0.02	-1.41		0.85	0.98		0.63										
CAL1B-CALIBRATION PISTON	-0.66	0.26	0.00		-0.34	0.30		-0.17										
CAL1C-CALIBRATION PISTON	-0.45	-0.32	-0.46		0.53	-0.13		-1.03										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
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H-1-SEQ V PISTONS(TH ONLY)																		
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H-7-SEQ V PISTONS(TH ONLY)																		
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I-1-SEQ V PISTONS(TH ONLY)																		
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I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.09	-1.30	-1.41	-0.48	1.31	-1.29	1.68	-1.08	-1.29	1.19	1.92	-0.71	0.64	3.00	-1.02	0.17	0.47	
MINIMUM	0.01	-0.02	0.00	0.11	-0.02	-0.13	0.20	0.02	0.19	-0.10	-0.35	-0.09	0.00	0.00	-1.02	0.17	0.01	
RANGE(MAX-MIN)	-1.100	-1.280	-1.410	-0.590	1.330	-1.160	1.480	-1.100	-1.480	1.290	2.270	-0.620	0.640	3.000	0.000	0.000	0.460	
MEAN	-0.379	-0.115	-0.546	-0.275	0.166	-0.428	-0.273	-0.286	-0.550	0.345	0.734	-0.248	-0.130	0.944	-1.020	0.170	0.073	
STANDARD DEVIATION	0.495	0.692	0.637	0.265	0.615	0.759	0.899	0.513	1.047	0.491	0.941	0.347	0.511	1.202	0.000	0.000	0.369	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Kasimirsky, Michael

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	1.05	-0.11	-1.02	-1.37	2.15	1.95	1.44	0.53										
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT	1.91	0.84	-1.24	-0.95	-0.54	-0.58	0.13	-0.04										
A5-SEQUENCE III	-0.26	0.61	0.95		-0.35	0.45					-0.04				-1.27	-0.84		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																-0.42		
B5-2-SEQ V PISTONS(TH ONLY)																-0.52		
B5-3-SEQ V PISTONS(TH ONLY)																-0.12		
B5-4-SEQ V PISTONS(TH ONLY)																0.19		
B5-5-SEQ V PISTONS(TH ONLY)																0.07		
B5-6-SEQ V PISTONS(TH ONLY)																0.05		
B5-7-SEQ V PISTONS(TH ONLY)																0.40		
B5-8-SEQ V PISTONS(TH ONLY)																0.91		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	1.22	-0.35	-0.66		-0.44	-0.23		-2.20										
CAL1B-CALIBRATION PISTON	1.69	-1.27	0.38		-1.14	-0.66		0.03										
CAL1C-CALIBRATION PISTON																		
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
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H-1-SEQ V PISTONS(TH ONLY)																		
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H-8-SEQ V PISTONS(TH ONLY)																		
I-1-SEQ V PISTONS(TH ONLY)																		
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I-3-SEQ V PISTONS(TH ONLY)																		
I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.91	-1.27	-1.24	-1.37	2.15	1.95	1.44	-2.20			-0.04				-1.27	-0.84	0.91	
MINIMUM	-0.26	-0.11	0.38	-0.95	-0.35	-0.23	0.13	0.03			-0.04				-1.27	-0.84	0.05	
RANGE(MAX-MIN)	2.170	-1.160	-1.620	-0.420	2.500	2.180	1.310	-2.230			0.000				0.000	0.000	0.860	
MEAN	1.122	-0.056	-0.318	-1.160	-0.064	0.186	0.785	-0.420			-0.040				-1.270	-0.840	0.070	
STANDARD DEVIATION	0.847	0.838	0.943	0.297	1.276	1.079	0.926	1.214			0.000				0.000	0.000	0.456	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hurst, Kevin R.

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT																	
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE																	
B1-SQUARE CUT																	
B2-KEYSTONE																	
B3-C13-STYLE																	
B4-SQUARE CUT																	
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT	-0.15	-0.24	-0.29	0.58	-0.11	-1.04	-0.53	-0.31									
C2-KEYSTONE	0.00	-0.54	2.25		0.16	0.43		-0.09	2.11	-0.29	0.79	-1.13	-0.63	-0.58			
C3-C13-STYLE	0.83	0.10	-0.30		1.09	0.91	0.44			0.00	-0.35						
C4-SQUARE CUT	0.04	-0.45	-0.30	-0.02	-0.52	-0.62	-0.51	0.22									
C5-SEQUENCE III	2.15	0.27	0.73		-0.88	-0.77				0.98			-0.54	1.38			
C6-ARTICULATED 2-PIECE	-0.19	-0.18	-0.33		1.00	-0.05	0.59	-0.33		0.93	-0.47	-1.34	0.97	-0.77		0.26	
CAL1A-CALIBRATION PISTON	0.84	0.51	0.95		1.01	-0.11		0.33									
CAL1B-CALIBRATION PISTON	1.02	0.23	-0.07		0.94	-1.42		2.05									
CAL1C-CALIBRATION PISTON	0.57	-0.27	1.01		0.12	1.75		0.69									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
H-2-SEQ V PISTONS(TH ONLY)																	
H-3-SEQ V PISTONS(TH ONLY)																	
H-4-SEQ V PISTONS(TH ONLY)																	
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I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	2.15	-0.54	2.25	0.58	1.09	1.75	0.59	2.05	2.11	0.93	0.98	-1.34	0.97	-0.77	-0.54	1.38	0.26
MINIMUM	0.00	0.10	-0.07	-0.02	-0.11	-0.05	0.44	-0.09	2.11	0.00	-0.35	-1.13	-0.63	-0.58	-0.54	1.38	0.26
RANGE(MAX-MIN)	2.150	-0.640	2.320	0.600	1.200	1.800	0.150	2.140	0.000	0.930	1.330	-0.210	1.600	-0.190	0.000	0.000	
MEAN	0.568	-0.063	0.406	0.280	0.312	-0.102	-0.003	0.366	2.110	0.213	0.238	-1.235	0.170	-0.675	-0.540	1.380	0.260
STANDARD DEVIATION	0.753	0.357	0.896	0.424	0.734	1.004	0.601	0.828	0.000	0.637	0.753	0.148	1.131	0.134	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hills, Barry

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	0.36	0.25	-1.02	-0.70	-0.70	-1.69	-1.64	-0.07										
A2-KEYSTONE	-0.74	0.99	-1.43		-1.01	-1.05		-0.27	-1.25	-0.89	-2.51	-0.03	0.00	0.00				
A3-C13-STYLE	-1.44	-0.86	0.07		0.19	-0.61	-0.07			-0.02	1.27							
A4-SQUARE CUT	-0.13	0.53	-0.62	-1.20	-0.20	-1.88	-1.86	0.46										
A5-SEQUENCE III	-0.26	-0.56	-1.91		-1.61	-0.76					0.65				-0.10	1.67		
A6-ARTICULATED 2-PIECE	-0.35	-0.07	0.28		-0.89	0.40	-0.98	-0.17		-1.07	1.00	-0.46	-0.24	-1.18		0.55		
B1-SQUARE CUT	0.26	-1.29	-0.72	0.58	-0.58	-1.46	-1.02	0.44										
B2-KEYSTONE	-0.53	-0.37	-1.69		-0.30	-0.47		-0.50	-1.01	-1.19	-1.15	-0.89	-0.24	-0.49				
B3-C13-STYLE	-0.29	-0.17	-0.93		-0.36	-0.96	-1.66			0.14	1.33							
B4-SQUARE CUT	-0.47	-0.27	-0.88	-0.59	0.20	-1.62	-1.89	0.04										
B5-1-SEQ V PISTONS(TH ONLY)																	-1.13	
B5-2-SEQ V PISTONS(TH ONLY)																	-0.45	
B5-3-SEQ V PISTONS(TH ONLY)																	-0.90	
B5-4-SEQ V PISTONS(TH ONLY)																	-0.28	
B5-5-SEQ V PISTONS(TH ONLY)																	-0.43	
B5-6-SEQ V PISTONS(TH ONLY)																	-0.32	
B5-7-SEQ V PISTONS(TH ONLY)																	-0.32	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.17	
B6-ARTICULATED 2-PIECE	-0.36	1.73	-0.73		-0.70	0.07	-0.76	-0.77		-1.05	0.48	-0.56	-1.18	-1.13		0.16		
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.71	0.51	-0.29		1.27	-0.43		0.13										
CAL1B-CALIBRATION PISTON	-0.71	1.03	-0.07		1.55	1.00		0.24										
CAL1C-CALIBRATION PISTON	1.65	0.57	-0.72		0.89	0.06		0.90										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
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I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.65	1.73	-1.91	-1.20	-1.61	-1.88	-1.89	0.90	-1.25	-1.19	-2.51	-0.89	-1.18	-1.18	-0.10	1.67	0.55	-1.13
MINIMUM	-0.13	-0.07	0.07	0.58	0.19	0.06	-0.07	0.04	-1.01	-0.02	0.48	-0.03	0.00	0.00	-0.10	1.67	0.16	-0.17
RANGE(MAX-MIN)	1.780	1.800	-1.980	-1.780	-1.800	-1.940	-1.820	0.860	-0.240	-1.170	-2.990	-0.860	-1.180	-1.180	0.000	0.000	0.390	-0.960
MEAN	-0.164	0.144	-0.761	-0.478	-0.161	-0.671	-1.235	0.039	-1.130	-0.680	0.153	-0.485	-0.415	-0.700	-0.100	1.670	0.355	-0.500
STANDARD DEVIATION	0.739	0.815	0.635	0.753	0.899	0.850	0.639	0.472	0.170	0.583	1.443	0.355	0.522	0.563	0.000	0.000	0.276	0.335

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hill, Howard P.

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	-0.33	-1.81	0.92	-0.43	-0.65	-0.50	-1.07	0.33											
A2-KEYSTONE	0.47	-1.87	1.10		-0.69	1.35		-0.09	0.78	-0.25	0.42	0.88	0.00	0.00					
A3-C13-STYLE	0.89	-1.15	0.83		-0.93	-1.15	0.39			-1.36	-0.42								
A4-SQUARE CUT	0.45	-1.19	1.06	1.61	-1.67	-0.62	-0.51	0.71											
A5-SEQUENCE III	-0.26	-1.29	-0.01		-1.27	-1.84					-1.49				-1.78	-1.23			
A6-ARTICULATED 2-PIECE	-0.65	-1.76	0.31		-1.27	0.29	-1.04	-0.31		-1.37	-1.37	0.28	-0.56	-0.13			-1.14		
B1-SQUARE CUT	0.59	-1.45	-1.04	-1.57	-0.59	-1.46	-0.13	0.83											
B2-KEYSTONE	-0.84	-0.66	1.07		-0.73	-0.07		-0.70	0.18	-0.09	-0.14	0.03	-0.24	-0.49					
B3-C13-STYLE	0.81	-1.84	1.54		-1.29	0.47	-0.52			-1.64	0.64								
B4-SQUARE CUT	0.55	-0.14	-0.25	0.13	-0.84	-0.75	-1.50	0.18											
B5-1-SEQ V PISTONS(TH ONLY)																		1.93	
B5-2-SEQ V PISTONS(TH ONLY)																		2.15	
B5-3-SEQ V PISTONS(TH ONLY)																		2.02	
B5-4-SEQ V PISTONS(TH ONLY)																		1.88	
B5-5-SEQ V PISTONS(TH ONLY)																		1.76	
B5-6-SEQ V PISTONS(TH ONLY)																		2.14	
B5-7-SEQ V PISTONS(TH ONLY)																		1.64	
B5-8-SEQ V PISTONS(TH ONLY)																		2.31	
B6-ARTICULATED 2-PIECE	-0.26	-1.12	-0.70		-1.34	-1.42	-0.64	0.45		0.28	0.94	-0.11	1.33	-0.43			0.40		
C1-SQUARE CUT	-1.92	-1.82	-0.40	-1.06	-0.85	-0.35	0.13	-0.83											
C2-KEYSTONE	-1.23	1.17	0.66		-0.55	-0.52		-0.33	1.12	-0.37	0.15	1.80	-0.63	-0.58					
C3-C13-STYLE	0.03	-2.10	0.12		-0.79	-0.05	0.07			-0.93	-0.63								
C4-SQUARE CUT	-2.37	-0.42	-0.25	-0.57	-1.00	-1.02	-0.95	0.37											
C5-SEQUENCE III	-0.52	-1.69	-0.56		-0.88	0.94					-1.52				-0.80	-1.04			
C6-ARTICULATED 2-PIECE	-0.41	-0.37	-0.17		0.29	0.41	-0.49	-0.17		-1.12	-0.98	0.37	-0.85	-0.77			-1.81		
CAL1A-CALIBRATION PISTON	0.00	-1.73	-1.28		-1.22	2.69		0.43											
CAL1B-CALIBRATION PISTON	-1.23	-2.01	-0.49		0.53	1.20		0.64											
CAL1C-CALIBRATION PISTON	0.35	-0.47	1.28		-0.82	-1.35		0.26											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
G-3-SEQ V PISTONS(TH ONLY)																			
G-4-SEQ V PISTONS(TH ONLY)																			
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I-5-SEQ V PISTONS(TH ONLY)																			
I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-2.37	-2.10	1.54	1.61	-1.67	2.69	-1.50	0.83	1.12	-1.64	-1.52	1.80	1.33	-0.77	-1.78	-1.23	-1.81	2.31	
MINIMUM	0.00	-0.14	-0.01	0.13	0.29	-0.05	0.07	-0.09	0.18	-0.09	-0.14	0.03	0.00	0.00	-0.80	-1.04	0.40	1.64	
RANGE(MAX-MIN)	-2.370	-1.960	1.550	1.480	-1.960	2.740	-1.570	0.920	0.940	-1.550	-1.380	1.770	1.330	-0.770	-0.980	-0.190	-2.210	0.670	
MEAN	-0.294	-1.186	0.187	-0.315	-0.828	-0.188	-0.522	0.118	0.693	-0.761	-0.400	0.542	-0.158	-0.400	-1.290	-1.135	-0.850	1.979	
STANDARD DEVIATION	0.890	0.823	0.826	1.106	0.516	1.135	0.563	0.503	0.476	0.672	0.877	0.705	0.789	0.287	0.693	0.134	1.133	0.221	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Gutzwiller, Jim

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT	1.25	-1.70	0.71	1.45	1.91	1.84	2.00	1.13									
A2-KEYSTONE	0.71	2.53	0.82		2.29	2.17		-1.50	1.86	0.23	0.16	2.69	0.00	0.00			
A3-C13-STYLE	1.64	0.92	0.15		2.50	0.46	0.02			1.22	1.27						
A4-SQUARE CUT	0.53	-1.28	-0.25	0.14	-0.61	2.00	2.12	0.09				0.11				-0.10	0.61
A5-SEQUENCE III	-0.26	-0.56	1.89		1.37	0.60											
A6-ARTICULATED 2-PIECE	0.24	0.18	2.01		0.45	2.57	2.50	-1.30		0.35	1.19	-0.46	1.98	-0.13			-1.14
B1-SQUARE CUT																	
B2-KEYSTONE																	
B3-C13-STYLE																	
B4-SQUARE CUT																	
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT																	
C2-KEYSTONE																	
C3-C13-STYLE																	
C4-SQUARE CUT																	
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE																	
CAL1A-CALIBRATION PISTON	-0.99	-0.79	0.95		-0.37	-0.02		-1.29									
CAL1B-CALIBRATION PISTON	0.59	2.33	-0.14		1.67	-0.10		0.03									
CAL1C-CALIBRATION PISTON	1.19	0.11	-0.20		0.47	1.15		0.04									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
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H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
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I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	1.64	2.53	2.01	1.45	2.50	2.57	2.50	-1.50	1.86	1.22	1.27	2.69	1.98	-0.13	-0.10	0.61	-1.14
MINIMUM	0.24	0.11	-0.14	0.14	-0.37	-0.02	0.02	0.03	1.86	0.23	0.11	-0.46	0.00	0.00	-0.10	0.61	-1.14
RANGE(MAX-MIN)	1.400	2.420	2.150	1.310	2.870	2.590	2.480	-1.530	0.000	0.990	1.160	3.150	1.980	-0.130	0.000	0.000	0.000
MEAN	0.544	-0.324	0.660	0.795	1.076	1.186	1.660	-0.400	1.860	0.600	0.683	1.115	0.990	-0.065	-0.100	0.610	-1.140
STANDARD DEVIATION	0.809	1.468	0.860	0.926	1.136	0.997	1.114	0.981	0.000	0.540	0.633	2.227	1.400	0.092	0.000	0.000	0.000

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Guarda, Waldyr

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

PartID	YI Values																	
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.70	-0.66	-0.72	0.85	1.87	-0.20	-0.13	-0.56										
B2-KEYSTONE	0.33	2.72	0.52		0.39	1.36	2.02	1.14	1.85	0.18	2.38	3.88	-0.49					
B3-C13-STYLE	-1.19	-0.09	0.17		-0.25	-1.36	-0.84			1.00	1.33							
B4-SQUARE CUT	1.04	0.35	-0.25	0.73	-0.36	1.78	0.56	0.96										
B5-1-SEQ V PISTONS(TH ONLY)																	-0.45	
B5-2-SEQ V PISTONS(TH ONLY)																	-0.30	
B5-3-SEQ V PISTONS(TH ONLY)																	-0.26	
B5-4-SEQ V PISTONS(TH ONLY)																	-0.46	
B5-5-SEQ V PISTONS(TH ONLY)																	-0.32	
B5-6-SEQ V PISTONS(TH ONLY)																	-0.13	
B5-7-SEQ V PISTONS(TH ONLY)																	-0.10	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.23	
B6-ARTICULATED 2-PIECE	0.39	0.03	-0.06		0.78	0.85	2.14	1.58		0.05	1.75	3.47	-0.10	0.09			-0.77	
C1-SQUARE CUT	0.54	1.91	-0.29	1.54	-0.09	-0.17	0.44	0.98										
C2-KEYSTONE	-0.54	1.17	-0.41		1.16	2.09		0.14	1.07	1.79	-0.48	0.07	0.95	-0.58				
C3-C13-STYLE	-2.67	-0.04	-0.88		-0.36	-0.13	-0.95			0.61	0.14							
C4-SQUARE CUT	1.34	-0.50	-0.24	0.27	0.07	0.16	0.45	1.80										
C5-SEQUENCE III	0.93	-1.63	-1.64		-0.43	-0.74					-1.27			-0.13	1.38			
C6-ARTICULATED 2-PIECE	-0.36	-0.66	-0.29		0.96	-0.59	-0.38	0.20		-0.27	-0.60	1.05	-0.52	-0.77			-0.96	
CAL1A-CALIBRATION PISTON	-0.21	0.46	0.95		0.93	-0.49		-2.40										
CAL1B-CALIBRATION PISTON	0.05	-0.42	-1.05		0.31	-0.86		0.24										
CAL1C-CALIBRATION PISTON	0.35	-0.60	-0.99		0.12	0.73		-0.81										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
G-5-SEQ V PISTONS(TH ONLY)																		
G-6-SEQ V PISTONS(TH ONLY)																		
G-7-SEQ V PISTONS(TH ONLY)																		
G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
H-2-SEQ V PISTONS(TH ONLY)																		
H-3-SEQ V PISTONS(TH ONLY)																		
H-4-SEQ V PISTONS(TH ONLY)																		
H-5-SEQ V PISTONS(TH ONLY)																		
H-6-SEQ V PISTONS(TH ONLY)																		
H-7-SEQ V PISTONS(TH ONLY)																		
H-8-SEQ V PISTONS(TH ONLY)																		
I-1-SEQ V PISTONS(TH ONLY)																		
I-2-SEQ V PISTONS(TH ONLY)																		
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I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-2.67	2.72	-1.64	1.54	1.87	2.09	2.14	-2.40	1.14	1.85	1.75	3.47	3.88	-0.77	-0.13	1.38	-0.96	-0.46
MINIMUM	0.05	0.03	-0.06	0.27	0.07	-0.13	-0.13	0.14	1.07	0.05	0.14	0.07	-0.10	0.09	-0.13	1.38	-0.77	-0.10
RANGE(MAX-MIN)	-2.720	2.690	-1.580	1.270	1.800	2.220	2.270	-2.540	0.070	1.800	1.610	3.400	3.980	-0.860	0.000	0.000	-0.190	-0.360
MEAN	0.050	0.146	-0.370	0.848	0.364	0.174	0.161	0.377	1.105	0.838	0.150	1.743	1.053	-0.438	-0.130	1.380	-0.865	-0.281
STANDARD DEVIATION	1.033	1.136	0.669	0.525	0.688	1.040	0.989	1.303	0.049	0.878	1.075	1.491	1.984	0.371	0.000	0.000	0.134	0.132

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Greenland, Paul

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

PartID	YI Values																		
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV	
A1-SQUARE CUT	0.97	0.06	0.00	1.31	-0.83	-0.02	0.50	0.33											
A2-KEYSTONE	1.67	-0.77	0.00		1.06	-0.61		0.26	0.22	-1.12	1.45	1.56	0.00	0.00					
A3-C13-STYLE	1.40	-0.35	0.04		-0.72	-1.02	0.46			-0.78	-0.14								
A4-SQUARE CUT	-1.66	-0.65	-0.49	0.01	-0.59	0.94	0.72	0.71											
A5-SEQUENCE III	-0.26	-1.22	0.81		-0.25	0.07					0.21				1.33	0.09			
A6-ARTICULATED 2-PIECE	-0.35	-0.62	0.44		-0.80	0.80	0.57	-0.73		-0.26	0.93	1.01	-0.87	-0.13			1.64		
B1-SQUARE CUT	-1.82	0.63	0.75	1.48	-0.30	0.24	-0.08	0.64											
B2-KEYSTONE	-0.31	-0.37	0.34		-0.39	0.30		-0.79	1.31	-1.33	-0.22	0.23	-0.24	-0.49					
B3-C13-STYLE	0.30	-0.32	-0.10		-0.76	0.65	-0.38			1.01	-0.06								
B4-SQUARE CUT	0.34	0.24	0.37	0.43	-0.69	0.08	0.53	0.11											
B5-1-SEQ V PISTONS(TH ONLY)																			
B5-2-SEQ V PISTONS(TH ONLY)																			
B5-3-SEQ V PISTONS(TH ONLY)																			
B5-4-SEQ V PISTONS(TH ONLY)																			
B5-5-SEQ V PISTONS(TH ONLY)																			
B5-6-SEQ V PISTONS(TH ONLY)																			
B5-7-SEQ V PISTONS(TH ONLY)																			
B5-8-SEQ V PISTONS(TH ONLY)																			
B6-ARTICULATED 2-PIECE	0.05	-0.24	0.09		-0.52	-0.35	-0.17	0.88		1.62	0.12	-0.11	1.21	-0.61			1.09		
C1-SQUARE CUT																			
C2-KEYSTONE																			
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III																			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON	0.70	-0.66	0.95		0.25	0.19		0.84											
CAL1B-CALIBRATION PISTON	0.24	-0.92	1.18		-0.90	1.15		-0.17											
CAL1C-CALIBRATION PISTON	-0.67	-0.02	-0.23		-0.56	-2.33		0.47											
G-1-SEQ V PISTONS(TH ONLY)																			
G-2-SEQ V PISTONS(TH ONLY)																			
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I-6-SEQ V PISTONS(TH ONLY)																			
I-7-SEQ V PISTONS(TH ONLY)																			
I-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-1.82	-1.22	1.18	1.48	1.06	-2.33	0.72	0.88	1.31	1.62	1.45	1.56	1.21	-0.61	1.33	0.09	1.64		
MINIMUM	0.05	-0.02	0.00	0.01	-0.25	-0.02	-0.08	0.11	0.22	-0.26	-0.06	-0.11	0.00	0.00	1.33	0.09	1.09		
RANGE(MAX-MIN)	-1.870	-1.200	1.180	1.470	1.310	-2.310	0.800	0.770	1.090	1.880	1.510	1.670	1.210	-0.610	0.000	0.000	0.550		
MEAN	0.043	-0.372	0.296	0.808	-0.429	0.006	0.269	0.232	0.765	-0.143	0.327	0.673	0.025	-0.308	1.330	0.090	1.365		
STANDARD DEVIATION	1.009	0.489	0.484	0.703	0.523	0.896	0.412	0.583	0.771	1.202	0.626	0.755	0.871	0.289	0.000	0.000	0.389		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Foecking, Brian

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

PartID	YI Values																	
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	-0.47	1.26	-1.83	-1.90	-0.10	-0.45	-0.12	-0.07										
A2-KEYSTONE	-0.74	0.30	0.66		-0.33	0.01		-0.44	1.83	-0.30	-0.74	-0.71	0.00	0.00				
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III	-0.26	1.04	-0.25		0.90	-0.10					0.78				1.03	0.09		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.41	0.13	-0.31	0.85	0.81	0.59	0.38	-0.16										
B2-KEYSTONE	-0.24	-0.37	0.84		-0.47	-0.03		-0.70	0.57	-0.11	0.15	-0.99	-0.24	1.58				
B3-C13-STYLE	-0.02	1.25	0.91		-0.05	0.61	0.21			-0.63	-0.55							
B4-SQUARE CUT	-0.43	-0.33	-0.75	-1.09	0.29	-0.68	0.09	-1.17										
B5-1-SEQ V PISTONS(TH ONLY)																0.72		
B5-2-SEQ V PISTONS(TH ONLY)																	0.68	
B5-3-SEQ V PISTONS(TH ONLY)																	0.28	
B5-4-SEQ V PISTONS(TH ONLY)																	0.44	
B5-5-SEQ V PISTONS(TH ONLY)																	0.68	
B5-6-SEQ V PISTONS(TH ONLY)																	0.50	
B5-7-SEQ V PISTONS(TH ONLY)																	0.02	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.11	
B6-ARTICULATED 2-PIECE	-0.55	0.11	-0.68		-0.29	1.59	-0.70	-1.03		-1.26	-1.51	-0.56	-0.70	-0.09			-0.99	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT	-0.88	-0.29	-0.43	-1.21	0.23	-0.96	-1.18	-0.35										
C5-SEQUENCE III	1.08	0.38	-0.82		0.42	-0.24				0.80			-0.84	-0.79				
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	-0.25	-0.82	-0.29		0.96	1.60		-0.28										
CAL1B-CALIBRATION PISTON	-2.27	0.36	1.32		-0.49	1.40		0.03										
CAL1C-CALIBRATION PISTON	-1.46	-0.14	-0.04		-0.14	0.64		-1.46										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
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I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-2.27	1.26	-1.83	-1.90	0.96	1.60	-1.18	-1.46	1.83	-1.26	-1.51	-0.99	-0.70	1.58	1.03	-0.79	-0.99	0.72
MINIMUM	-0.02	0.11	-0.04	0.85	-0.05	0.01	0.09	0.03	0.57	-0.11	0.15	-0.56	0.00	0.00	-0.84	0.09	-0.99	0.02
RANGE(MAX-MIN)	-2.250	1.150	-1.790	-2.750	1.010	1.590	-1.270	-1.490	1.260	-1.150	-1.660	-0.430	-0.700	1.580	1.870	-0.880	0.000	0.700
MEAN	-0.468	0.222	-0.128	-0.838	0.134	0.306	-0.220	-0.563	1.200	-0.575	-0.178	-0.753	-0.313	0.497	0.095	-0.350	-0.990	0.401
STANDARD DEVIATION	0.816	0.646	0.865	1.180	0.513	0.847	0.600	0.506	0.891	0.505	0.918	0.218	0.356	0.939	1.322	0.622	0.000	0.314

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Clapperty, Leon

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT	-0.26	-0.97	1.32	0.78	-0.25	-0.56	-0.86	-0.07									
A2-KEYSTONE	-0.72	-0.95	-0.47		-0.29	-0.95			1.31	-1.08	-0.67	-1.51	-0.03	0.00	0.00		
A3-C13-STYLE																	
A4-SQUARE CUT	-0.51	-1.32	1.99	-0.18	-1.52	-0.75	-1.25	0.58									
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE	3.66	0.36	-1.09		-2.28	-1.50	-0.50	1.53		0.42	-0.46	2.11	1.35	-0.13		0.18	
B1-SQUARE CUT	-1.33	-0.75	0.72	0.13	-1.56	-0.07	-0.18	-0.36									
B2-KEYSTONE	0.42	0.87	-0.34		0.71	-2.26		1.15	-1.07	-0.99	-1.39	0.03	-0.24	-0.49			
B3-C13-STYLE																	
B4-SQUARE CUT																	
B5-1-SEQ V PISTONS(TH ONLY)																	
B5-2-SEQ V PISTONS(TH ONLY)																	
B5-3-SEQ V PISTONS(TH ONLY)																	
B5-4-SEQ V PISTONS(TH ONLY)																	
B5-5-SEQ V PISTONS(TH ONLY)																	
B5-6-SEQ V PISTONS(TH ONLY)																	
B5-7-SEQ V PISTONS(TH ONLY)																	
B5-8-SEQ V PISTONS(TH ONLY)																	
B6-ARTICULATED 2-PIECE																	
C1-SQUARE CUT	0.52	-0.35	1.08	0.77	-0.71	-1.77	-1.02	-0.83									
C2-KEYSTONE																	
C3-C13-STYLE																	
C4-SQUARE CUT																	
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE																	
CAL1A-CALIBRATION PISTON	2.76	2.22	0.95		0.69	-1.18		-0.48									
CAL1B-CALIBRATION PISTON	2.19	-0.89	-1.26		0.29	-1.07		1.45									
CAL1C-CALIBRATION PISTON	-1.46	-0.68	-0.27		0.38	-0.89		-1.24									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
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H-3-SEQ V PISTONS(TH ONLY)																	
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H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
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I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	3.66	2.22	1.99	0.78	-2.28	-2.26	-1.25	1.53	-1.08	-0.99	-1.51	2.11	1.35	-0.49		0.18	
MINIMUM	-0.26	-0.35	-0.27	0.13	-0.25	-0.07	-0.18	-0.07	-1.07	0.42	-0.46	-0.03	0.00	0.00		0.18	
RANGE(MAX-MIN)	3.920	2.570	2.260	0.650	-2.030	-2.190	-1.070	1.600	-0.010	-1.410	-1.050	2.140	1.350	-0.490		0.000	
MEAN	-0.463	-0.246	0.263	0.375	-0.454	-1.100	-0.762	0.304	-1.075	-0.413	-1.120	0.703	0.370	-0.207		0.180	
STANDARD DEVIATION	1.791	1.092	1.095	0.479	1.040	0.624	0.425	1.027	0.007	0.739	0.575	1.219	0.857	0.254		0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Castillo, George

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

PartID	YI Values																	
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	-0.84	0.70	0.02	0.40	-0.40	1.32	2.83	0.64										
B2-KEYSTONE	-0.17	-0.37	1.65		-0.82	0.32		-0.70	2.10	1.02	-0.37	-1.30	-0.24	-0.49				
B3-C13-STYLE	-0.32	-0.19	0.47		-0.86	0.78	1.17			0.14	-0.76							
B4-SQUARE CUT	-1.57	-0.70	-0.25	-0.69	-0.54	0.28	0.53	-0.88										
B5-1-SEQ V PISTONS(TH ONLY)																0.40		
B5-2-SEQ V PISTONS(TH ONLY)																	-0.20	
B5-3-SEQ V PISTONS(TH ONLY)																	0.14	
B5-4-SEQ V PISTONS(TH ONLY)																	-0.18	
B5-5-SEQ V PISTONS(TH ONLY)																	-0.17	
B5-6-SEQ V PISTONS(TH ONLY)																	-0.36	
B5-7-SEQ V PISTONS(TH ONLY)																	-0.32	
B5-8-SEQ V PISTONS(TH ONLY)																	-0.05	
B6-ARTICULATED 2-PIECE	-0.20	-0.58	-0.53		-0.30	1.37	0.52	-0.07		-1.15	-0.81	-0.11	-0.94	-0.43		1.10		
C1-SQUARE CUT	-0.81	-0.73	0.93	0.58	-0.40	0.69	0.49	-0.05										
C2-KEYSTONE	-0.08	-0.54	0.98		-1.63	0.04		-0.57	1.28	2.14	-0.69	0.33	-0.63	-0.58				
C3-C13-STYLE	-0.57	0.83	1.30		-1.40	1.24	1.85			-2.07	-0.42							
C4-SQUARE CUT	0.28	1.43	-0.27	-0.37	-0.24	2.12	2.36	0.65										
C5-SEQUENCE III	-0.34	0.86	-0.14		-0.06	-0.41					-0.32				-0.28	-1.04		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	-1.33	-0.15	-0.29		-0.23	0.62		0.33										
CAL1B-CALIBRATION PISTON	-0.08	0.89	1.15		-0.23	1.54		1.04										
CAL1C-CALIBRATION PISTON	-0.96	-0.38	-0.53		-0.54	0.31		1.55										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
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G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
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I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.57	1.43	1.65	-0.69	-1.63	2.12	2.83	1.55	2.10	2.14	-0.81	-1.30	-0.94	-0.58	-0.28	-1.04	1.10	0.40
MINIMUM	-0.08	-0.15	0.02	-0.37	-0.06	0.04	0.49	-0.05	1.28	0.14	-0.32	-0.11	-0.24	-0.43	-0.28	-1.04	1.10	-0.05
RANGE(MAX-MIN)	-1.490	1.580	1.630	-0.320	-1.570	2.080	2.340	1.600	0.820	2.000	-0.490	-1.190	-0.700	-0.150	0.000	0.000	0.450	
MEAN	-0.538	0.082	0.345	-0.020	-0.588	0.786	1.393	0.194	1.690	0.016	-0.562	-0.360	-0.603	-0.500	-0.280	-1.040	1.100	-0.093
STANDARD DEVIATION	0.537	0.745	0.765	0.608	0.473	0.701	0.964	0.792	0.580	1.677	0.216	0.843	0.351	0.075	0.000	0.000	0.253	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Cales, Jonathon

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	-0.60	-0.38	-1.02	-0.70	-0.29	1.74	1.92	-2.68										
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																		
B5-2-SEQ V PISTONS(TH ONLY)																		
B5-3-SEQ V PISTONS(TH ONLY)																		
B5-4-SEQ V PISTONS(TH ONLY)																		
B5-5-SEQ V PISTONS(TH ONLY)																		
B5-6-SEQ V PISTONS(TH ONLY)																		
B5-7-SEQ V PISTONS(TH ONLY)																		
B5-8-SEQ V PISTONS(TH ONLY)																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	-0.21	0.34	-1.05	-0.38	-0.18	-0.10	-0.80	0.72										
C2-KEYSTONE	-0.03	0.03	-1.24		-1.27	-0.30		-0.02	-1.06	-1.30	0.75	-0.27	-0.63	-0.58				
C3-C13-STYLE	-0.97	-1.86	-0.84		-0.75	-0.58	-0.29			0.20	-0.63							
C4-SQUARE CUT	0.16	2.08	-0.22	-0.37	-0.77	-0.68	-0.55	-1.64										
C5-SEQUENCE III	-0.34	0.00	1.32		-1.08	0.31					-1.26				-0.02	-0.43		
C6-ARTICULATED 2-PIECE	-0.25	-1.02	2.18		0.24	1.01	0.51	-0.43		0.12	-0.66	-0.49	-0.36	-0.34		1.21		
CAL1A-CALIBRATION PISTON	-1.32	-0.31	0.95		-0.42	0.68		-1.69										
CAL1B-CALIBRATION PISTON	-1.43	0.81	1.36		-0.59	1.13		-1.78										
CAL1C-CALIBRATION PISTON	-0.70	0.99	-0.42		-0.77	-1.09		0.47										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
G-5-SEQ V PISTONS(TH ONLY)																		
G-6-SEQ V PISTONS(TH ONLY)																		
G-7-SEQ V PISTONS(TH ONLY)																		
G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
H-2-SEQ V PISTONS(TH ONLY)																		
H-3-SEQ V PISTONS(TH ONLY)																		
H-4-SEQ V PISTONS(TH ONLY)																		
H-5-SEQ V PISTONS(TH ONLY)																		
H-6-SEQ V PISTONS(TH ONLY)																		
H-7-SEQ V PISTONS(TH ONLY)																		
H-8-SEQ V PISTONS(TH ONLY)																		
I-1-SEQ V PISTONS(TH ONLY)																		
I-2-SEQ V PISTONS(TH ONLY)																		
I-3-SEQ V PISTONS(TH ONLY)																		
I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.43	2.08	2.18	-0.70	-1.27	1.74	1.92	-2.68	-1.06	-1.30	-1.26	-0.49	-0.63	-0.58	-0.02	-0.43	1.21	
MINIMUM	-0.03	0.00	-0.22	-0.37	-0.18	-0.10	-0.29	-0.02	-1.06	0.12	-0.63	-0.27	-0.36	-0.34	-0.02	-0.43	1.21	
RANGE(MAX-MIN)	-1.400	2.080	2.400	-0.330	-1.090	1.840	2.210	-2.660	0.000	-1.420	-0.630	-0.220	-0.270	-0.240	0.000	0.000	0.000	
MEAN	-0.569	0.068	0.102	-0.483	-0.588	0.212	0.158	-0.881	-1.060	-0.327	-0.450	-0.380	-0.495	-0.460	-0.020	-0.430	1.210	
STANDARD DEVIATION	0.536	1.094	1.236	0.188	0.443	0.914	1.101	1.231	0.000	0.844	0.851	0.156	0.191	0.170	0.000	0.000		

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Barrera, Tony

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT	PSV
A1-SQUARE CUT	-0.50	0.33	-1.53	-0.83	-0.16	-0.27	-1.03	-0.07										
A2-KEYSTONE	-0.74	-0.21	-0.47		-1.06	-0.63		-0.09	-0.69	0.43	0.07	-0.48	0.00	0.00				
A3-C13-STYLE	-0.63	-0.30	0.07		-0.93	0.11	0.71			-0.77	-1.27							
A4-SQUARE CUT	-0.16	-0.24	-0.06	-1.33	0.06	0.61	-0.63	0.21										
A5-SEQUENCE III	-0.26	0.68	-0.23		-0.22	-1.41					0.17				-0.91	-0.97		
A6-ARTICULATED 2-PIECE	-0.35	-0.29	-1.86		0.21	-0.63	-0.77	-0.17		0.54	-1.09	-0.46	0.08	-0.13			-1.09	
B1-SQUARE CUT	0.63	0.80	-0.69	-0.23	0.37	-0.33	-1.02	0.64										
B2-KEYSTONE	-0.45	-0.37	-0.84		-0.71	-1.29		-0.70	-0.33	-0.42	0.11	-0.79	-0.24	-0.49				
B3-C13-STYLE	-1.98	-0.20	0.57		-0.84	1.00	0.39			0.70	-1.18							
B4-SQUARE CUT																		
B5-1-SEQ V PISTONS(TH ONLY)																	0.20	
B5-2-SEQ V PISTONS(TH ONLY)																	0.24	
B5-3-SEQ V PISTONS(TH ONLY)																	0.56	
B5-4-SEQ V PISTONS(TH ONLY)																	0.74	
B5-5-SEQ V PISTONS(TH ONLY)																	0.44	
B5-6-SEQ V PISTONS(TH ONLY)																	0.33	
B5-7-SEQ V PISTONS(TH ONLY)																	0.13	
B5-8-SEQ V PISTONS(TH ONLY)																	0.24	
B6-ARTICULATED 2-PIECE	-1.28	-1.03	-0.70		-0.03	0.37	-0.76	-0.85		-0.27	-1.51	0.34	-0.94	-0.09			-2.40	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.30	-0.21	0.95		0.06	0.75		0.73										
CAL1B-CALIBRATION PISTON	0.24	0.84	1.11		-0.11	0.98		-0.57										
CAL1C-CALIBRATION PISTON	0.65	0.87	-0.61		-0.21	-0.10		-0.17										
G-1-SEQ V PISTONS(TH ONLY)																		
G-2-SEQ V PISTONS(TH ONLY)																		
G-3-SEQ V PISTONS(TH ONLY)																		
G-4-SEQ V PISTONS(TH ONLY)																		
G-5-SEQ V PISTONS(TH ONLY)																		
G-6-SEQ V PISTONS(TH ONLY)																		
G-7-SEQ V PISTONS(TH ONLY)																		
G-8-SEQ V PISTONS(TH ONLY)																		
H-1-SEQ V PISTONS(TH ONLY)																		
H-2-SEQ V PISTONS(TH ONLY)																		
H-3-SEQ V PISTONS(TH ONLY)																		
H-4-SEQ V PISTONS(TH ONLY)																		
H-5-SEQ V PISTONS(TH ONLY)																		
H-6-SEQ V PISTONS(TH ONLY)																		
H-7-SEQ V PISTONS(TH ONLY)																		
H-8-SEQ V PISTONS(TH ONLY)																		
I-1-SEQ V PISTONS(TH ONLY)																		
I-2-SEQ V PISTONS(TH ONLY)																		
I-3-SEQ V PISTONS(TH ONLY)																		
I-4-SEQ V PISTONS(TH ONLY)																		
I-5-SEQ V PISTONS(TH ONLY)																		
I-6-SEQ V PISTONS(TH ONLY)																		
I-7-SEQ V PISTONS(TH ONLY)																		
I-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.98	-1.03	-1.86	-1.33	-1.06	-1.41	-1.03	-0.85	-0.69	-0.77	-1.51	-0.79	-0.94	-0.49	-0.91	-0.97	-2.40	0.74
MINIMUM	-0.16	-0.20	-0.06	-0.23	-0.03	-0.10	0.39	-0.07	-0.33	-0.27	0.07	0.34	0.00	0.00	-0.91	-0.97	-1.09	0.13
RANGE(MAX-MIN)	-1.820	-0.830	-1.800	-1.100	-1.030	-1.310	-1.420	-0.780	-0.360	-0.500	-1.580	-1.130	-0.940	-0.490	0.000	0.000	-1.310	0.610
MEAN	-0.348	0.052	-0.330	-0.797	-0.275	-0.065	-0.444	-0.104	-0.510	0.035	-0.671	-0.348	-0.275	-0.178	-0.910	-0.970	-1.745	0.360
STANDARD DEVIATION	0.739	0.591	0.874	0.551	0.460	0.797	0.700	0.526	0.255	0.600	0.749	0.483	0.464	0.215	0.000	0.000	0.926	0.207

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Zalewski, John

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

PartID	YI Values																
	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF	USTOT	L1TOT	UCTOT	SGF	TLHC	TLFC	THTOT	ATTOT	OCTOT
A1-SQUARE CUT																	
A2-KEYSTONE																	
A3-C13-STYLE																	
A4-SQUARE CUT																	
A5-SEQUENCE III																	
A6-ARTICULATED 2-PIECE																	
B1-SQUARE CUT	1.19	1.46	3.02	0.58	-1.26	0.50	0.01	1.03									
B2-KEYSTONE	-0.10	-0.37	-0.36		2.61	0.10		1.82	0.74	-1.15	0.80	1.26	-0.24	-0.49			
B3-C13-STYLE	0.94	-0.31	-2.43		1.46	-2.25	-1.67			-0.08	0.13						
B4-SQUARE CUT	1.32	1.86	-0.25	-0.59	2.32	-0.45	2.12	1.53									
B5-1-SEQ V PISTONS(TH ONLY)																	-0.48
B5-2-SEQ V PISTONS(TH ONLY)																	-1.11
B5-3-SEQ V PISTONS(TH ONLY)																	-1.20
B5-4-SEQ V PISTONS(TH ONLY)																	-1.41
B5-5-SEQ V PISTONS(TH ONLY)																	-0.17
B5-6-SEQ V PISTONS(TH ONLY)																	-0.60
B5-7-SEQ V PISTONS(TH ONLY)																	-0.98
B5-8-SEQ V PISTONS(TH ONLY)																	-1.67
B6-ARTICULATED 2-PIECE	0.65	0.13	-0.70		0.07	-1.52	-0.79	0.45		1.74	0.12	-0.11	2.05	0.61			-0.12
C1-SQUARE CUT	-0.26	0.10	-0.67	-0.38	1.94	1.25	0.53	0.20									
C2-KEYSTONE	0.17	0.03	-1.16		0.60	-0.35		-0.33	-1.06	0.46	-1.02	0.25	0.95	-0.58			
C3-C13-STYLE	0.95	-0.76	-1.21		0.52	-2.84	-1.66			-1.15	-0.58						
C4-SQUARE CUT	0.93	2.25	-0.24	-0.66	2.58	-0.68	-0.67	1.08									
C5-SEQUENCE III																	
C6-ARTICULATED 2-PIECE	0.27	-0.30	-0.92		-0.23	-1.37	-1.29	1.11		0.97	-0.30	1.90	1.30	0.09			0.67
CAL1A-CALIBRATION PISTON	1.06	-0.24	-1.41		0.10	-1.80		0.94									
CAL1B-CALIBRATION PISTON	1.15	-0.35	0.38		-0.61	-2.20		-0.37									
CAL1C-CALIBRATION PISTON	0.71	-2.00	-0.76		-0.68	-0.51		-0.17									
G-1-SEQ V PISTONS(TH ONLY)																	
G-2-SEQ V PISTONS(TH ONLY)																	
G-3-SEQ V PISTONS(TH ONLY)																	
G-4-SEQ V PISTONS(TH ONLY)																	
G-5-SEQ V PISTONS(TH ONLY)																	
G-6-SEQ V PISTONS(TH ONLY)																	
G-7-SEQ V PISTONS(TH ONLY)																	
G-8-SEQ V PISTONS(TH ONLY)																	
H-1-SEQ V PISTONS(TH ONLY)																	
H-2-SEQ V PISTONS(TH ONLY)																	
H-3-SEQ V PISTONS(TH ONLY)																	
H-4-SEQ V PISTONS(TH ONLY)																	
H-5-SEQ V PISTONS(TH ONLY)																	
H-6-SEQ V PISTONS(TH ONLY)																	
H-7-SEQ V PISTONS(TH ONLY)																	
H-8-SEQ V PISTONS(TH ONLY)																	
I-1-SEQ V PISTONS(TH ONLY)																	
I-2-SEQ V PISTONS(TH ONLY)																	
I-3-SEQ V PISTONS(TH ONLY)																	
I-4-SEQ V PISTONS(TH ONLY)																	
I-5-SEQ V PISTONS(TH ONLY)																	
I-6-SEQ V PISTONS(TH ONLY)																	
I-7-SEQ V PISTONS(TH ONLY)																	
I-8-SEQ V PISTONS(TH ONLY)																	
MAXIMUM	1.32	2.25	3.02	-0.66	2.61	-2.84	2.12	1.82	-1.06	1.74	-1.02	1.90	2.05	0.61			0.67
MINIMUM	-0.10	0.03	-0.24	-0.38	0.07	0.10	0.01	-0.17	0.74	-0.08	0.12	-0.11	-0.24	0.09			-0.12
RANGE(MAX-MIN)	1.420	2.220	3.260	-0.280	2.540	-2.940	2.110	1.990	-1.800	1.820	-1.140	2.010	2.290	0.520			0.790
MEAN	0.691	0.115	-0.516	-0.263	0.725	-0.932	-0.428	0.663	-0.160	0.132	-0.142	0.825	1.015	-0.093			0.275
STANDARD DEVIATION	0.513	1.140	1.262	0.574	1.324	1.189	1.287	0.754	1.273	1.160	0.635	0.922	0.954	0.555			0.559
																	0.503

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Avis, Steven

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	-0.91	-0.86	0.16	0.88	-0.97	0.79	
E-C13 2ND RING CARBON	-0.19	-1.06	-0.70	-0.95	-0.74	-0.50	
F-C13 2ND RING CARBON	-0.24	-0.95	1.13	-0.43	0.10	0.15	
J-C13 2ND RING CARBON	-0.23	-0.43	0.01	-0.45	-0.71	0.30	
MAXIMUM	-0.91	-1.06	1.13	-0.95	-0.97	0.79	
MINIMUM	-0.19	-0.43	0.01	-0.43	0.10	0.15	
RANGE(MAX-MIN)	-0.720	-0.630	1.120	-0.520	-1.070	0.640	
MEAN	-0.393	-0.825	0.150	-0.238	-0.580	0.185	
STANDARD DEVIATION	0.346	0.276	0.753	0.783	0.468	0.532	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Viera, Ralph B.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	-0.66	-0.69	0.47	0.34	0.76	-0.47	
E-C13 2ND RING CARBON	1.43	1.27	2.22	0.07	-1.27	1.10	
F-C13 2ND RING CARBON	-0.32	0.63	1.13	0.87	0.10	-0.19	
J-C13 2ND RING CARBON	-0.08	0.30	-0.58	0.13	-0.25	0.02	
MAXIMUM	1.43	1.27	2.22	0.87	-1.27	1.10	
MINIMUM	-0.08	0.30	0.47	0.07	0.10	0.02	
RANGE(MAX-MIN)	1.510	0.970	1.750	0.800	-1.370	1.080	
MEAN	0.093	0.378	0.810	0.353	-0.165	0.115	
STANDARD DEVIATION	0.923	0.818	1.174	0.364	0.847	0.687	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Trevino, Bobby

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

PartID	YI Values					
	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
D-C13 2ND RING CARBON	-1.41	1.09	-2.06	-1.83	-1.40	-0.47
E-C13 2ND RING CARBON	-0.46	-0.73	-0.93	0.18	1.94	-1.70
F-C13 2ND RING CARBON						
J-C13 2ND RING CARBON	-0.53	0.30	-1.35	-0.59	-0.25	-0.13
MAXIMUM	-1.41	1.09	-2.06	-1.83	1.94	-1.70
MINIMUM	-0.46	0.30	-0.93	0.18	-0.25	-0.13
RANGE(MAX-MIN)	-0.950	0.790	-1.130	-2.010	2.190	-1.570
MEAN	-0.800	0.220	-1.447	-0.747	0.097	-0.767
STANDARD DEVIATION	0.529	0.913	0.571	1.014	1.697	0.826

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Stremlow, Mike

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-2.03	-3.10	-1.65	-1.89	-2.51	-3.27	
MAXIMUM	-2.03	-3.10	-1.65	-1.89	-2.51	-3.27	
MINIMUM	-2.03	-3.10	-1.65	-1.89	-2.51	-3.27	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-2.030	-3.100	-1.650	-1.890	-2.510	-3.270	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Shoda, Ronald

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-0.33	-0.18	0.98	-0.45	1.21	1.02	
MAXIMUM	-0.33	-0.18	0.98	-0.45	1.21	1.02	
MINIMUM	-0.33	-0.18	0.98	-0.45	1.21	1.02	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.330	-0.180	0.980	-0.450	1.210	1.020	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Seiz, Ray

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-0.63	0.79	-1.55	-1.03	-0.91	-0.20	
MAXIMUM	-0.63	0.79	-1.55	-1.03	-0.91	-0.20	
MINIMUM	-0.63	0.79	-1.55	-1.03	-0.91	-0.20	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.630	0.790	-1.550	-1.030	-0.910	-0.200	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Schakel, J.J.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	1.51	-0.91	0.78	1.42	0.81	0.73	
MAXIMUM	1.51	-0.91	0.78	1.42	0.81	0.73	
MINIMUM	1.51	-0.91	0.78	1.42	0.81	0.73	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	1.510	-0.910	0.780	1.420	0.810	0.730	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Richerson, Jay

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-0.13	1.28	0.20	0.85	-0.32	0.16	
MAXIMUM	-0.13	1.28	0.20	0.85	-0.32	0.16	
MINIMUM	-0.13	1.28	0.20	0.85	-0.32	0.16	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.130	1.280	0.200	0.850	-0.320	0.160	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= May, Marianne

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	0.09	0.20	-0.47	-0.74	-0.54	-1.74	
E-C13 2ND RING CARBON	-0.05	0.10	-0.25	-0.27	-0.47	-0.50	
F-C13 2ND RING CARBON	-0.70	-1.26	-0.77	-1.30	-0.08	-0.88	
J-C13 2ND RING CARBON	-0.03	0.06	0.39	0.99	-0.25	0.02	
MAXIMUM	-0.70	-1.26	-0.77	-1.30	-0.54	-1.74	
MINIMUM	-0.03	0.06	-0.25	-0.27	-0.08	0.02	
RANGE(MAX-MIN)	-0.670	-1.320	-0.520	-1.030	-0.460	-1.760	
MEAN	-0.173	-0.225	-0.275	-0.330	-0.335	-0.775	
STANDARD DEVIATION	0.357	0.693	0.492	0.976	0.210	0.742	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lopez, Frank

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	-0.16	1.53	0.47	-0.20	0.76	0.16	
E-C13 2ND RING CARBON	0.89	0.27	-0.48	0.75	-0.20	-0.10	
F-C13 2ND RING CARBON	1.06	-0.63	0.18	-0.43	0.64	-0.88	
J-C13 2ND RING CARBON	1.61	0.30	1.27	-0.16	1.21	0.66	
MAXIMUM	1.61	1.53	1.27	0.75	1.21	-0.88	
MINIMUM	-0.16	0.27	0.18	-0.16	-0.20	-0.10	
RANGE(MAX-MIN)	1.770	1.260	1.090	0.910	1.410	-0.780	
MEAN	0.850	0.368	0.360	-0.010	0.603	-0.040	
STANDARD DEVIATION	0.740	0.887	0.725	0.520	0.589	0.643	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-0.03	0.55	0.49	-0.31	0.08	0.16	
MAXIMUM	-0.03	0.55	0.49	-0.31	0.08	0.16	
MINIMUM	-0.03	0.55	0.49	-0.31	0.08	0.16	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.030	0.550	0.490	-0.310	0.080	0.160	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Guarda, Waldyr

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	1.34	-0.95	1.42	1.42	1.62	1.42	
E-C13 2ND RING CARBON	-1.94	-0.89	0.42	-1.51	0.87	1.50	
F-C13 2ND RING CARBON	-0.70	0.32	-0.77	1.30	-1.69	1.17	
J-C13 2ND RING CARBON	-0.23	0.79	-0.67	-0.45	-0.12	-0.34	
MAXIMUM	-1.94	-0.95	1.42	-1.51	-1.69	1.50	
MINIMUM	-0.23	0.32	0.42	-0.45	-0.12	-0.34	
RANGE(MAX-MIN)	-1.710	-1.270	1.000	-1.060	-1.570	1.840	
MEAN	-0.383	-0.183	0.100	0.190	0.170	0.938	
STANDARD DEVIATION	1.356	0.873	1.032	1.419	1.430	0.863	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Foecking, Brian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	-0.73	0.79	-0.77	0.27	0.02	-0.34	
MAXIMUM	-0.73	0.79	-0.77	0.27	0.02	-0.34	
MINIMUM	-0.73	0.79	-0.77	0.27	0.02	-0.34	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.730	0.790	-0.770	0.270	0.020	-0.340	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Castillo, George

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	1.34	0.64	0.16	0.34	-0.11	0.79	
E-C13 2ND RING CARBON	0.35	1.60	0.20	1.77	0.07	0.30	
F-C13 2ND RING CARBON	1.74	1.58	0.50	0.87	1.53	1.51	
J-C13 2ND RING CARBON	0.27	0.06	0.78	-0.16	0.55	0.52	
MAXIMUM	1.74	1.60	0.78	1.77	1.53	1.51	
MINIMUM	0.27	0.06	0.16	-0.16	0.07	0.30	
RANGE(MAX-MIN)	1.470	1.540	0.620	1.930	1.460	1.210	
MEAN	0.925	0.970	0.410	0.705	0.510	0.780	
STANDARD DEVIATION	0.729	0.754	0.290	0.825	0.735	0.526	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Barrera, Tony

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON	0.34	-0.95	-0.16	-0.20	-0.11	-0.47	
E-C13 2ND RING CARBON	-0.05	-0.56	-0.48	-0.04	-0.20	-0.10	
F-C13 2ND RING CARBON	-0.85	0.32	-1.40	-0.87	-0.61	-0.88	
J-C13 2ND RING CARBON	-0.43	-0.18	0.10	-0.45	-0.32	-0.48	
MAXIMUM	-0.85	-0.95	-1.40	-0.87	-0.61	-0.88	
MINIMUM	-0.05	-0.18	0.10	-0.04	-0.11	-0.10	
RANGE(MAX-MIN)	-0.800	-0.770	-1.500	-0.830	-0.500	-0.780	
MEAN	-0.248	-0.343	-0.485	-0.390	-0.310	-0.483	
STANDARD DEVIATION	0.510	0.542	0.654	0.362	0.218	0.319	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Zalewski, John

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
D-C13 2ND RING CARBON							
E-C13 2ND RING CARBON							
F-C13 2ND RING CARBON							
J-C13 2ND RING CARBON	2.06	-0.43	1.56	2.29	1.74	1.16	
MAXIMUM	2.06	-0.43	1.56	2.29	1.74	1.16	
MINIMUM	2.06	-0.43	1.56	2.29	1.74	1.16	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	2.060	-0.430	1.560	2.290	1.740	1.160	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Avis, Steven

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-1.94
ISMRC-ISM ROCKER COVER	-1.26
SCAL1-VG TIMING CHAIN COVER	0.40
SCAL2-VG TIMING CHAIN COVER	-0.33
MAXIMUM	-1.94
MINIMUM	-0.33
RANGE(MAX-MIN)	-1.610
MEAN	-0.783
STANDARD DEVIATION	1.028

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Viera, Ralph B.

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.19
ISMRC-ISM ROCKER COVER	0.44
SCAL1-VG TIMING CHAIN COVER	-0.47
SCAL2-VG TIMING CHAIN COVER	-0.71
MAXIMUM	-0.71
MINIMUM	0.19
RANGE(MAX-MIN)	-0.900
MEAN	-0.138
STANDARD DEVIATION	0.541

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Trevino, Bobby

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.06
ISMRC-ISM ROCKER COVER	-1.89
SCAL1-VG TIMING CHAIN COVER	-0.29
SCAL2-VG TIMING CHAIN COVER	-0.02
MAXIMUM	-1.89
MINIMUM	-0.02
RANGE(MAX-MIN)	-1.870
MEAN	-0.535
STANDARD DEVIATION	0.916

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Shoda, Ronald

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-0.58
ISMRC-ISM ROCKER COVER	0.61
SCAL1-VG TIMING CHAIN COVER	0.14
SCAL2-VG TIMING CHAIN COVER	-0.71
MAXIMUM	-0.71
MINIMUM	0.14
RANGE(MAX-MIN)	-0.850
MEAN	-0.135
STANDARD DEVIATION	0.622

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Seiz, Ray

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.99
ISMRC-ISM ROCKER COVER	0.90
SCAL1-VG TIMING CHAIN COVER	-1.85
SCAL2-VG TIMING CHAIN COVER	-2.55
MAXIMUM	-2.55
MINIMUM	0.90
RANGE(MAX-MIN)	-3.450
MEAN	-0.628
STANDARD DEVIATION	1.838

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Sanchez, Arthur

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-1.08
ISMRC-ISM ROCKER COVER	1.40
SCAL1-VG TIMING CHAIN COVER	0.40
SCAL2-VG TIMING CHAIN COVER	0.29
MAXIMUM	1.40
MINIMUM	0.29
RANGE(MAX-MIN)	1.110
MEAN	0.253
STANDARD DEVIATION	1.019

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-0.24
ISMRC-ISM ROCKER COVER	1.11
SCAL1-VG TIMING CHAIN COVER	-0.21
SCAL2-VG TIMING CHAIN COVER	-0.17
MAXIMUM	1.11
MINIMUM	-0.17
RANGE(MAX-MIN)	1.280
MEAN	0.123
STANDARD DEVIATION	0.659

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= May, Marianne

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.62
ISMRC-ISM ROCKER COVER	-0.22
SCAL1-VG TIMING CHAIN COVER	-0.47
SCAL2-VG TIMING CHAIN COVER	0.44
MAXIMUM	0.62
MINIMUM	-0.22
RANGE(MAX-MIN)	0.840
MEAN	0.093
STANDARD DEVIATION	0.521

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lopez, Frank

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.32
ISMRC-ISM ROCKER COVER	0.94
SCAL1-VG TIMING CHAIN COVER	0.31
SCAL2-VG TIMING CHAIN COVER	1.59
MAXIMUM	1.59
MINIMUM	0.31
RANGE(MAX-MIN)	1.280
MEAN	0.790
STANDARD DEVIATION	0.609

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Lonsway, Chris

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.49
ISMRC-ISM ROCKER COVER	0.90
SCAL1-VG TIMING CHAIN COVER	-1.42
SCAL2-VG TIMING CHAIN COVER	-1.25
MAXIMUM	-1.42
MINIMUM	0.49
RANGE(MAX-MIN)	-1.910
MEAN	-0.320
STANDARD DEVIATION	1.186

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.32
ISMRC-ISM ROCKER COVER	1.36
SCAL1-VG TIMING CHAIN COVER	-0.64
SCAL2-VG TIMING CHAIN COVER	-1.02
MAXIMUM	1.36
MINIMUM	0.32
RANGE(MAX-MIN)	1.040
MEAN	0.005
STANDARD DEVIATION	1.065

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hurst, Kevin R.

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.36
ISMRC-ISM ROCKER COVER	-1.14
SCAL1-VG TIMING CHAIN COVER	0.83
SCAL2-VG TIMING CHAIN COVER	1.21
MAXIMUM	1.21
MINIMUM	0.36
RANGE(MAX-MIN)	0.850
MEAN	0.315
STANDARD DEVIATION	1.030

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hills, Barry

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.82
ISMRC-ISM ROCKER COVER	-2.05
SCAL1-VG TIMING CHAIN COVER	-0.47
SCAL2-VG TIMING CHAIN COVER	0.29
MAXIMUM	-2.05
MINIMUM	0.29
RANGE(MAX-MIN)	-2.340
MEAN	-0.353
STANDARD DEVIATION	1.249

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Hill, Howard P.

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-2.84
ISMRC-ISM ROCKER COVER	-0.64
SCAL1-VG TIMING CHAIN COVER	-0.64
SCAL2-VG TIMING CHAIN COVER	0.29
MAXIMUM	-2.84
MINIMUM	0.29
RANGE(MAX-MIN)	-3.130
MEAN	-0.958
STANDARD DEVIATION	1.329

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Gutzwiller, Jim

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	1.06
ISMRC-ISM ROCKER COVER	0.23
SCAL1-VG TIMING CHAIN COVER	1.87
SCAL2-VG TIMING CHAIN COVER	1.82
MAXIMUM	1.87
MINIMUM	0.23
RANGE(MAX-MIN)	1.640
MEAN	1.245
STANDARD DEVIATION	0.772

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Guarda, Waldyr

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.92
ISMRC-ISM ROCKER COVER	-0.06
SCAL1-VG TIMING CHAIN COVER	2.48
SCAL2-VG TIMING CHAIN COVER	0.82
MAXIMUM	2.48
MINIMUM	-0.06
RANGE(MAX-MIN)	2.540
MEAN	1.040
STANDARD DEVIATION	1.056

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Greenland, Paul

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	
ISMRC-ISM ROCKER COVER	
SCAL1-VG TIMING CHAIN COVER	1.01
SCAL2-VG TIMING CHAIN COVER	0.29
MAXIMUM	1.01
MINIMUM	0.29
RANGE(MAX-MIN)	0.720
MEAN	0.650
STANDARD DEVIATION	0.509

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Foecking, Brian

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.66
ISMRC-ISM ROCKER COVER	-0.31
SCAL1-VG TIMING CHAIN COVER	-0.90
SCAL2-VG TIMING CHAIN COVER	-1.56
MAXIMUM	-1.56
MINIMUM	-0.31
RANGE(MAX-MIN)	-1.250
MEAN	-0.528
STANDARD DEVIATION	0.942

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Clapperty, Leon

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.72
ISMRC-ISM ROCKER COVER	1.07
SCAL1-VG TIMING CHAIN COVER	-0.47
SCAL2-VG TIMING CHAIN COVER	0.75
MAXIMUM	1.07
MINIMUM	-0.47
RANGE(MAX-MIN)	1.540
MEAN	0.518
STANDARD DEVIATION	0.677

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Castillo, George

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-0.34
ISMRC-ISM ROCKER COVER	-0.31
SCAL1-VG TIMING CHAIN COVER	0.66
SCAL2-VG TIMING CHAIN COVER	0.13
MAXIMUM	0.66
MINIMUM	0.13
RANGE(MAX-MIN)	0.530
MEAN	0.035
STANDARD DEVIATION	0.469

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Cales, Jonathon

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.62
ISMRC-ISM ROCKER COVER	-0.35
SCAL1-VG TIMING CHAIN COVER	0.83
SCAL2-VG TIMING CHAIN COVER	-0.02
MAXIMUM	0.83
MINIMUM	-0.02
RANGE(MAX-MIN)	0.850
MEAN	0.270
STANDARD DEVIATION	0.549

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Barrera, Tony

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	0.06
ISMRC-ISM ROCKER COVER	-0.43
SCAL1-VG TIMING CHAIN COVER	-0.12
SCAL2-VG TIMING CHAIN COVER	0.44
MAXIMUM	0.44
MINIMUM	0.06
RANGE(MAX-MIN)	0.380
MEAN	-0.013
STANDARD DEVIATION	0.363

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Rater= Zalewski, John

YI Values

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

PartID	TOTALS
ISMOP-ISM OIL PAN	-1.21
ISMRC-ISM ROCKER COVER	-0.31
SCAL1-VG TIMING CHAIN COVER	-0.99
SCAL2-VG TIMING CHAIN COVER	-0.02
MAXIMUM	-1.21
MINIMUM	-0.02
RANGE(MAX-MIN)	-1.190
MEAN	-0.633
STANDARD DEVIATION	0.560

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

Demerit Piston Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Avis, Steven	13	85.3%	99.1%	100.0%	0.0%	0.76	RED	
Barrera, Tony	21	85.5%	99.2%	100.0%	0.0%	0.68	BLUE	
Cales, Jonathon	10	68.7%	96.4%	100.0%	0.0%	0.92	WHITE	
Castillo, George	21	76.5%	95.0%	100.0%	0.0%	0.90	WHITE	
Foecking, Brian	21	80.7%	99.2%	100.0%	0.0%	0.79	RED	
Kobrinetz, Joaquin J.	14	80.6%	99.2%	99.2%	0.8%	0.75	RED	
Lonsway, Chris	10	71.3%	95.4%	100.0%	0.0%	0.89	WHITE	
Sanchez, Arthur	9	78.7%	97.3%	100.0%	0.0%	0.90	WHITE	
Shoda, Ronald	21	82.3%	99.2%	100.0%	0.0%	0.75	RED	
Viera, Ralph B.	14	78.3%	96.7%	100.0%	0.0%	0.82	WHITE	
Clapperty, Leon	10	62.1%	92.0%	98.9%	1.2%	1.11	WHITE	
Greenland, Paul	14	80.7%	99.2%	100.0%	0.0%	0.77	RED	
Guarda, Waldyr	22	74.2%	93.2%	98.5%	1.5%	1.04	WHITE	
Gutzwiller, Jim	9	54.7%	85.3%	100.0%	0.0%	1.14	YELLOW	
Hill, Howard P.	28	63.0%	95.8%	100.0%	0.0%	1.00	WHITE	
Hills, Barry	22	70.5%	99.2%	100.0%	0.0%	0.83	WHITE	
Hurst, Kevin R.	9	80.0%	94.7%	100.0%	0.0%	0.81	WHITE	
Kasimirsky, Michael	13	68.2%	95.5%	100.0%	0.0%	0.98	WHITE	
Langford, Mike	15	75.0%	96.2%	100.0%	0.0%	0.92	WHITE	
Lee, Manuel	6	47.4%	77.2%	96.5%	3.5%	1.49	YELLOW	
Lopez, Frank	11	75.8%	98.9%	100.0%	0.0%	0.82	WHITE	
May, Marianne	41	80.7%	97.7%	100.0%	0.0%	0.81	RED	
Pitta, Jimmy	11	64.8%	98.9%	100.0%	0.0%	0.89	WHITE	
Richerson, Jay	19	51.5%	88.9%	98.0%	2.0%	1.26	YELLOW	
Rodriguez, Jesus (Jesse)	17	84.3%	98.8%	100.0%	0.0%	0.73	RED	
Schakel, J.J.	13	68.5%	87.4%	96.4%	3.6%	1.22	YELLOW	
Seiz, Ray	13	74.1%	98.3%	100.0%	0.0%	0.88	WHITE	
Sherrod, Jeff	9	71.8%	95.8%	98.6%	1.4%	0.98	WHITE	
Stremlow, Mike	20	63.8%	87.9%	96.6%	3.5%	1.22	YELLOW	
Trevino, Bobby	42	84.4%	97.4%	99.1%	0.9%	0.87	WHITE	
Zalewski, John	21	61.3%	91.1%	99.2%	0.8%	1.15	WHITE	

Group Criteria

	Number of Parts Rated	Minimum		Minimum		Overall Yi	Group Totals
		Minimum	Yi's Within	Yi's Within	Maximum		
		White	6	60%	90%	1.20	18
Red	6	6	80%	95%	0.85	7	23%
Blue	6	85%	98%	0.75	1	3%	
Yellow	-	-	-	-	-	5	16%

HEAVY DUTY RATING WORKSHOP (October 12-16, 2009)

C13 Ring Carbon

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Avis, Steven	24	91.7%	100.0%	100.0%	0.0%	0.62	BLUE	
Barrera, Tony	24	95.8%	100.0%	100.0%	0.0%	0.42	BLUE	
Castillo, George	24	70.8%	100.0%	100.0%	0.0%	0.63	WHITE	
Foecking, Brian	6	100.0%	100.0%	100.0%	0.0%	0.61	BLUE	
Kobrinetz, Joaquin J.	6	100.0%	100.0%	100.0%	0.0%	0.32	BLUE	
Shoda, Ronald	6	66.7%	100.0%	100.0%	0.0%	0.77	WHITE	
Viera, Ralph B.	24	75.0%	95.8%	100.0%	0.0%	0.80	WHITE	
Guarda, Waldyr	24	54.2%	100.0%	100.0%	0.0%	1.13	YELLOW	
Lopez, Frank	24	79.2%	100.0%	100.0%	0.0%	0.69	WHITE	
May, Marianne	24	87.5%	100.0%	100.0%	0.0%	0.60	BLUE	
Richerson, Jay	6	83.3%	100.0%	100.0%	0.0%	0.61	RED	
Schakel, J.J.	6	66.7%	100.0%	100.0%	0.0%	0.87	WHITE	
Seiz, Ray	6	66.7%	100.0%	100.0%	0.0%	0.81	WHITE	
Stremlow, Mike	6	0.0%	33.3%	66.7%	33.3%	0.67	YELLOW	
Trevino, Bobby	18	55.6%	94.4%	100.0%	0.0%	1.03	YELLOW	
Zalewski, John	6	16.7%	66.7%	100.0%	0.0%	0.98	YELLOW	

Group Criteria

	Number of Parts Rated	Minimum		Minimum		Overall Yi	Group Totals
		Minimum	Yi's Within	Yi's Within	Maximum		
		Parts Rated	mean	2 STD of	STD		
White	6	60%		90%	1.20	6	38%
Red	6	80%		95%	0.85	1	6%
Blue	6	85%		98%	0.75	5	31%
Yellow	-	-		-	-	4	25%