



## Test Monitoring Center

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

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412-365-1000

October 28, 2010

To Participants of the ASTM International Heavy Duty Rating Workshop:

The ASTM International Heavy Duty Rating Workshop was held on October 12-14, 2010 in San Antonio, TX. Enclosed are the minutes for the workshop and a copy of all of the data generated.

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

Sincerely,

Michael T. Kasimirsky  
Workshop Coordinator

Jeff A. Clark  
Workshop Coordinator

Richard E. Grundza  
Workshop Coordinator

# Heavy Duty Rating Workshop

October 12-14, 2010

San Antonio, Texas

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## **Tuesday, October 12, 2010**

The workshop began at 8:30am with 33 raters in attendance (see sign-in sheet). Michael Kasimirsky gave some opening remarks on the format of the workshop. Special thanks were given to ***Tony Barrera*** of **Intertek Automotive Research** for all his help in gathering the parts used at the workshop.

The group then reviewed the various definitions of rubbed and non-rubbed carbon deposits and how those levels are determined. Light and Heavy Carbon definitions were also reviewed.

At 9:15am, the group began rating the Preliminary Exercise.

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

At 12:45pm, the group returned to finish up the rating of the Preliminary Exercise.

At 3:00pm, the group reviewed the Preliminary Exercise rating data.

At 4:40pm, the group began rating the Practical Application exercise.

At 5:30pm, the group adjourned for the evening.

## **Wednesday, October 13, 2010**

Rating of the Practical Application parts continued all day.

## **Thursday, October 14, 2010**

In the morning, rating of the Practical Application parts continued.

At 2:30pm, the group reviewed the Practical Application rating data.

At 4:40pm, the group completed the data review.

## **Discussions**

### **New Format**

The new, single-session format was overwhelmingly preferred over the old, two-session format. As a result, the upcoming spring 2011 Light Duty Rating Workshop will continue the three day, single session format. One problem that was noted with the single-session format was a bit of overcrowding in the room. To alleviate this for the spring workshop, the adjacent room has been secured and will be set up in a "classroom" format for data entry and review, while the current room will be used for rating.

### **New Visual Technologies for Reviewing Parts**

The TMC brought some new digital microscope technology to the workshop, in an effort to be able to be able to display the deposits on a particular part to the entire group, on an overhead projector system. While the initial test wasn't particularly successful, the group agreed that the technology was promising and additional

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investigations into its use were warranted. As such, the TMC will continue to try and refine the process and equipment used in an effort to generate useful, real-time images at the workshop.

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

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

## **Notes on the Data**

Following is the data produced during the October 12-14, 2010, 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.

Heavy Duty Rating Workshop

Sign-In Sheet

Anderson, Dan

*[Handwritten signature]*

Avis, Steven

*[Handwritten signature]*

Barrera, Tony

*[Handwritten signature]*

Booth, Jeffrey

*[Handwritten signature]*

Caproni, David

*[Handwritten signature]*

Castillo, George

*[Handwritten signature]*

Clapperty, Leon

*[Handwritten signature]*

Cumberworth, Lee

*[Handwritten signature]*

Foecking, Brian

*[Handwritten signature]*

Greenland, Paul

*[Handwritten signature]*

Guarda, Waldyr

*[Handwritten signature]*

Hills, Barry

*[Handwritten signature]*

Holland, Stephen

*[Handwritten signature]*

Hurst, Kevin R.

*[Handwritten signature]*

Kobrinetz, Joaquin J.

*[Handwritten signature]*

Kuipers, Jacques

*[Handwritten signature]*

Langford, Mike

*[Handwritten signature]*

Lonsway, Chris

*[Handwritten signature]*

Lopez, Frank

*[Handwritten signature]*

Lowsky, John

*[Handwritten signature]*

May, Marianne

*[Handwritten signature]*

Pitta, Jimmy

*[Handwritten signature]*

Plaizier, Gert

*[Handwritten signature]*

Richerson, Jay

*[Handwritten signature]*

Rodriguez, Jesus (Jesse)

*[Handwritten signature]*

Sanchez, Arthur

*[Handwritten signature]*

Schakel, J.J.

*[Handwritten signature]*

Seiz, Ray

*[Handwritten signature]*

Shoda, Ronald

*[Handwritten signature]*

Trevino, Bobby

*[Handwritten signature]*

Viera, Ralph B.

*[Handwritten signature]*

*Ramirez, Manny*

*[Handwritten signature]*

Day 1

*[Handwritten signature]*

Heavy Duty Rating Workshop

Sign-In Sheet

Anderson, Dan

*[Handwritten signature]*

Avis, Steven

*[Handwritten signature]*

Barrera, Tony

*Tony Barrera*

Booth, Jeffrey

*[Handwritten signature]*

Caproni, David

*David Caproni*

Castillo, George

*George Castillo*

Clapperty, Leon

*Leon Clapperty*

Cumberworth, Lee

*[Handwritten signature]*

Foecking, Brian

*Brian Foecking*

Greenland, Paul

*Paul Greenland*

Guarda, Waldyr

*Waldyr Guarda*

Hills, Barry

*Barry Hills*

Holland, Stephen

*S.P. Holland*

Hurst, Kevin R.

*[Handwritten signature]*

Kobrinetz, Joaquin J.

*[Handwritten signature]*

Kuipers, Jacques

*[Handwritten signature]*

Langford, Mike

*Chris Langford*

Lonsway, Chris

*Chris Lonsway*

Lopez, Frank

*John M. Lowsky*

Lowsky, John

*Marianne May*

May, Marianne

*[Handwritten signature]*

Pitta, Jimmy

Plaizier, Gert

*[Handwritten signature]*

Richerson, Jay

*[Handwritten signature]*

Rodriguez, Jesus (Jesse)

*[Handwritten signature]*

Sanchez, Arthur

*[Handwritten signature]*

Schakel, J.J.

*[Handwritten signature]*

Seiz, Ray

*Ronald Shoda*

Shoda, Ronald

*Bobby Trevino*

Trevino, Bobby

*Ralph B. Viera*

Viera, Ralph B.

RAMIREZ, MANDY

*[Handwritten signature]*

Day 2

*[Handwritten signature]*

Heavy Duty Rating Workshop

Sign-In Sheet

Anderson, Dan

*Dan Anderson*

Avis, Steven

*Steven Avis*

Barrera, Tony

*Tony Barrera*

Booth, Jeffrey

*Jeffrey Booth*

Caproni, David

*David Caproni*

Castillo, George

*George Castillo*

Clapperty, Leon

*Leon Clapperty*

Cumberworth, Lee

*Lee Cumberworth*

Foecking, Brian

*Brian Foecking*

Greenland, Paul

*Paul Greenland*

Guarda, Waldyr

*Waldyr Guarda*

Hills, Barry

*Barry Hills*

Holland, Stephen

*Stephen Holland*

Hurst, Kevin R.

*Kevin R. Hurst*

Kobrinetz, Joaquin J.

*Joaquin J. Kobrinetz*

Kuipers, Jacques

*Jacques Kuipers*

Langford, Mike

*Mike Langford*

Lonsway, Chris

*Chris Lonsway*

Lopez, Frank

*Frank Lopez*

Lowsky, John

*John M. Lowsky*

May, Marianne

*Marianne May*

Pitta, Jimmy

*Jimmy Pitta*

Plaizier, Gert

*Gert Plaizier*

Richerson, Jay

*Jay Richerson*

Rodriguez, Jesus (Jesse)

*Jesse Rodriguez*

Sanchez, Arthur

*Arthur Sanchez*

Schakel, J.J.

*J.J. Schakel*

Seiz, Ray

*Ray Seiz*

Shoda, Ronald

*Ronald Shoda*

Trevino, Bobby

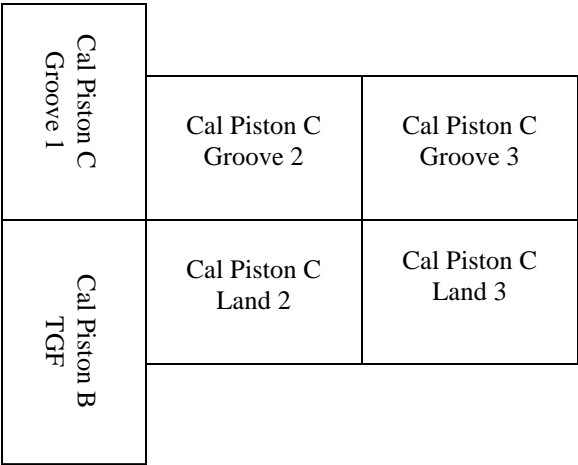
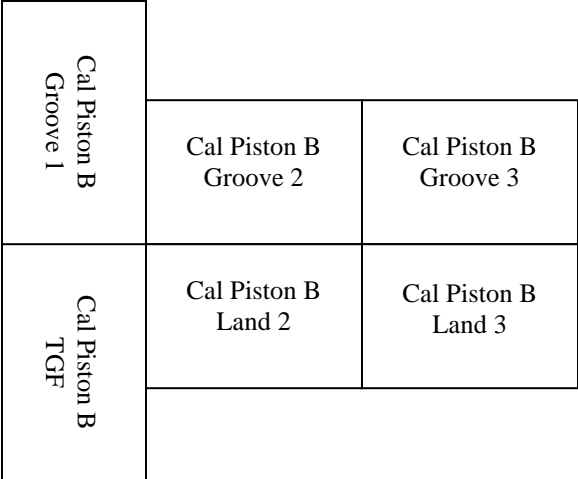
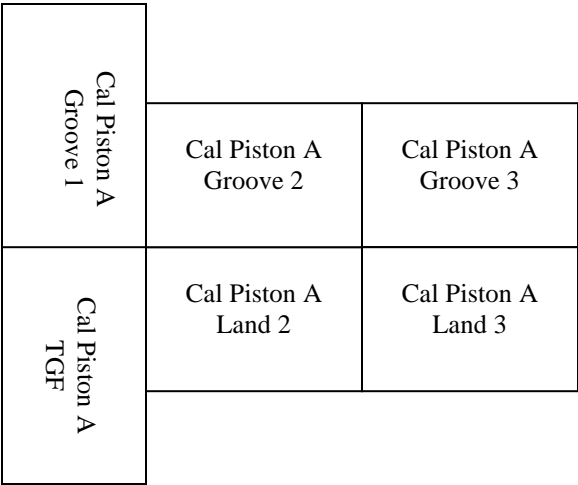
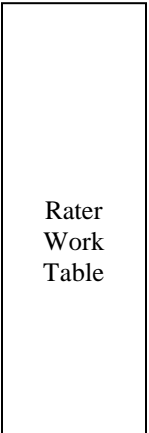
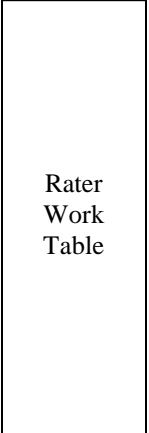
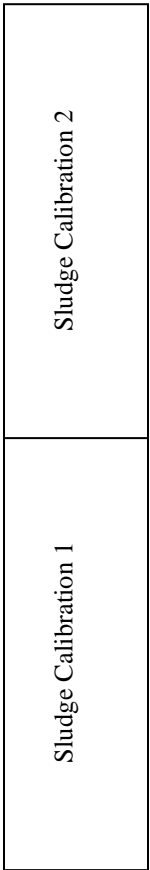
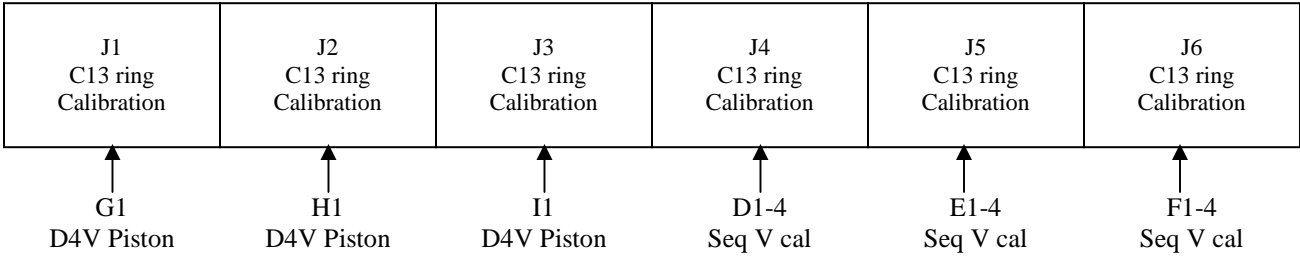
*Bobby Trevino*

Viera, Ralph B.

*Ralph B. Viera*

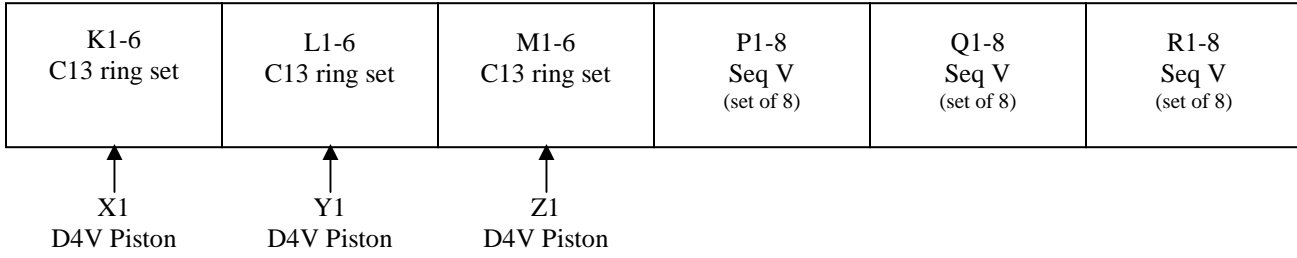
*Jonathan Calvo*

# Preliminary Exercise





# Practical Application Exercise



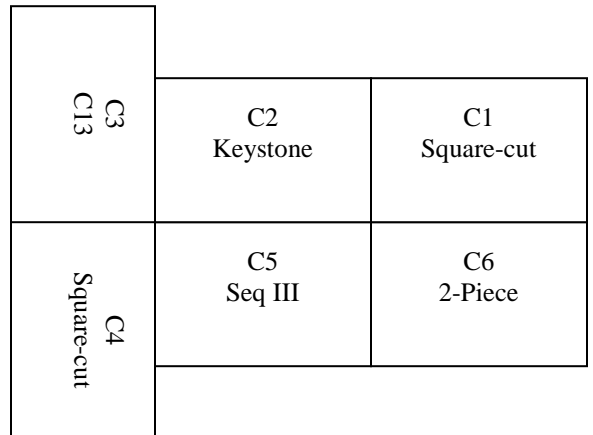
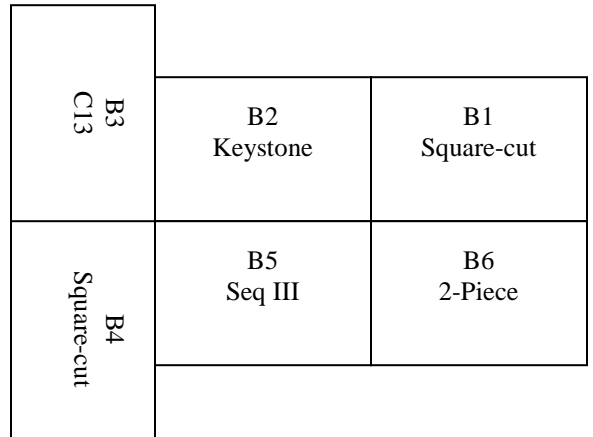
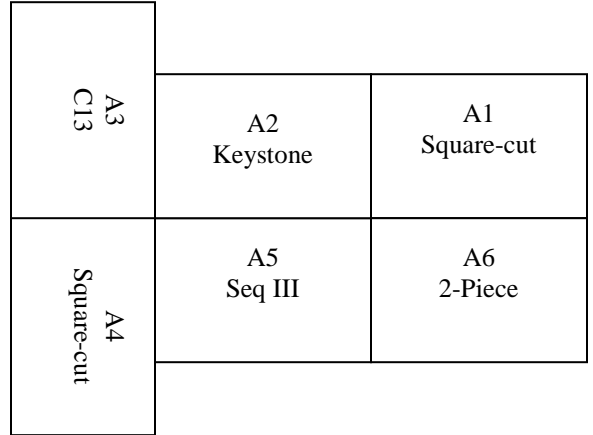
ISM Cover Sludge

ISM Pan Sludge

TMC Data Entry

Rater  
Work  
Table

Rater  
Work  
Table



## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= CAL1A - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Lonsway, Chris	73.72	14.17	0.10	11.85	2.64	97.00
Trevino, Bobby	73.59	10.38	0.24	12.07	2.44	83.00
Sanchez, Arthur	65.40	5.97	0.10	11.28	2.22	92.00
Plaizier, Gert	71.64	10.85	0.00	12.65	2.05	97.00
Cales, Jonathon	63.77	11.70	0.10	13.48	2.76	82.00
Castillo, George	62.96	13.18	0.00	11.10	2.70	93.00
Langford, Mike	75.79	11.17	0.20	15.14	2.05	85.00
Lopez, Frank	74.17	11.30	0.10	14.53	1.73	93.00
Kobrinetz, Joaquin J.	75.61	11.35	0.02	13.61	3.30	89.00
Shoda, Ronald	58.13	12.58	0.05	12.16	3.20	77.00
Rodriguez, Jesus (Jesse)	66.10	10.49	0.05	13.11	2.32	74.00
Viera, Ralph B.	71.75	9.43	0.00	9.94	2.25	76.00
Lowsky, John	59.30	10.41	0.00	13.56	1.86	48.00
Anderson, Dan	76.31	12.15	0.00	9.50	2.55	62.00
May, Marianne	70.71	11.78	0.01	13.36	2.59	94.00
Avis, Steven	78.81	10.49	0.10	13.85	1.82	84.00
Kuipers, Jacques	83.25	11.55	0.00	16.36	3.20	88.00
Guarda, Waldyr	73.05	13.92	0.08	13.35	3.14	62.00
Booth, Jeffrey	76.47	84.06	1.00	15.40	2.70	80.00
MAXIMUM	83.25	84.06	1.00	16.36	3.30	97.00
MINIMUM	58.13	5.97	0.00	9.50	1.73	48.00
RANGE(MAX-MIN)	25.120	78.090	1.000	6.860	1.570	49.000
MEAN	71.081	15.102	0.113	12.963	2.501	81.895
STANDARD DEVIATION	6.739	16.793	0.226	1.780	0.486	13.165

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
Lonsway, Chris	0.39	-0.06	-0.06	-0.63	0.29	1.15
Trevino, Bobby	0.37	-0.28	0.56	-0.50	-0.13	0.08
Sanchez, Arthur	-0.84	-0.54	-0.06	-0.95	-0.58	0.77
Plaizier, Gert	0.08	-0.25	-0.50	-0.18	-0.93	1.15
Cales, Jonathon	-1.08	-0.20	-0.06	0.29	0.53	0.01
Castillo, George	-1.21	-0.11	-0.50	-1.05	0.41	0.84
Langford, Mike	0.70	-0.23	0.38	1.22	-0.93	0.24
Lopez, Frank	0.46	-0.23	-0.06	0.88	-1.59	0.84
Kobrinetz, Joaquin J.	0.67	-0.22	-0.41	0.36	1.64	0.54
Shoda, Ronald	-1.92	-0.15	-0.28	-0.45	1.44	-0.37
Rodriguez, Jesus (Jesse)	-0.74	-0.27	-0.28	0.08	-0.37	-0.60
Viera, Ralph B.	0.10	-0.34	-0.50	-1.70	-0.52	-0.45
Lowsky, John	-1.75	-0.28	-0.50	0.34	-1.32	-2.57
Anderson, Dan	0.78	-0.18	-0.50	-1.95	0.10	-1.51
May, Marianne	-0.06	-0.20	-0.46	0.22	0.18	0.92
Avis, Steven	1.15	-0.27	-0.06	0.50	-1.40	0.16
Kuipers, Jacques	1.81	-0.21	-0.50	1.91	1.44	0.46
Guarda, Waldyr	0.29	-0.07	-0.15	0.22	1.31	-1.51
Booth, Jeffrey	0.80	4.11	3.93	1.37	0.41	-0.14
MAXIMUM	-1.92	4.11	3.93	-1.95	1.64	-2.57
MINIMUM	-0.06	-0.06	-0.06	0.08	0.10	0.01
RANGE(MAX-MIN)	-1.867	4.162	3.989	-2.028	1.543	-2.583
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 (2010 October 12-14)

Part ID= CAL1B - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Caproni, David	67.50	3.65	0.10	20.56	3.43	75.00
Anderson, Dan	77.06	5.90	0.50	13.40	3.66	60.00
Richerson, Jay	55.81	7.15	0.09	16.21	3.61	68.00
Foeking, Brian	58.26	7.71	0.10	21.08	4.62	69.00
Barrera, Tony	69.08	5.96	0.10	22.00	2.65	70.00
Castillo, George	53.29	4.84	0.00	21.09	3.05	68.00
Hurst, Kevin R.	72.77	6.46	0.30	19.70	3.47	78.00
Holland, Stephen	71.35	5.15	0.21	18.52	3.01	72.00
Sanchez, Arthur	76.51	3.08	0.10	0.11	1.18	72.00
Lopez, Frank	72.31	5.63	0.10	20.86	3.20	74.00
Kuipers, Jacques	79.00	7.78	0.00	22.63	4.50	69.00
Greenland, Paul	73.12	5.17	0.20	19.05	2.60	76.00
Lowsky, John	48.03	5.58	0.00	10.85	3.26	68.00
Plaizier, Gert	76.29	7.02	0.00	21.02	3.30	72.00
Kobrinetz, Joaquin J.	67.58	6.11	0.00	21.25	3.61	68.00
Lonsway, Chris	70.75	6.93	0.10	20.56	2.92	75.00
Cumberworth, Lee	46.33	7.20	0.10	20.72	3.35	63.00
Guarda, Waldyr	67.55	6.55	0.06	24.08	4.50	81.00
MAXIMUM	79.00	7.78	0.50	24.08	4.62	81.00
MINIMUM	46.33	3.08	0.00	0.11	1.18	60.00
RANGE(MAX-MIN)	32.670	4.700	0.500	23.970	3.440	21.000
MEAN	66.811	5.993	0.114	18.538	3.329	71.000
STANDARD DEVIATION	10.103	1.293	0.126	5.617	0.793	5.134

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
Caproni, David	0.07	-1.81	-0.11	0.36	0.13	0.78
Anderson, Dan	1.01	-0.07	3.06	-0.91	0.42	-2.14
Richerson, Jay	-1.09	0.90	-0.19	-0.41	0.35	-0.58
Foeking, Brian	-0.85	1.33	-0.11	0.45	1.63	-0.39
Barrera, Tony	0.22	-0.03	-0.11	0.62	-0.86	-0.19
Castillo, George	-1.34	-0.89	-0.91	0.45	-0.35	-0.58
Hurst, Kevin R.	0.59	0.36	1.47	0.21	0.18	1.36
Holland, Stephen	0.45	-0.65	0.76	0.00	-0.40	0.19
Sanchez, Arthur	0.96	-2.25	-0.11	-3.28	-2.71	0.19
Lopez, Frank	0.54	-0.28	-0.11	0.41	-0.16	0.58
Kuipers, Jacques	1.21	1.38	-0.91	0.73	1.48	-0.39
Greenland, Paul	0.62	-0.64	0.68	0.09	-0.92	0.97
Lowsky, John	-1.86	-0.32	-0.91	-1.37	-0.09	-0.58
Plaizier, Gert	0.94	0.79	-0.91	0.44	-0.04	0.19
Kobrinetz, Joaquin J.	0.08	0.09	-0.91	0.48	0.35	-0.58
Lonsway, Chris	0.39	0.72	-0.11	0.36	-0.52	0.78
Cumberworth, Lee	-2.03	0.93	-0.11	0.39	0.03	-1.56
Guarda, Waldyr	0.07	0.43	-0.43	0.99	1.48	1.95
MAXIMUM	-2.03	-2.25	3.06	-3.28	-2.71	-2.14
MINIMUM	0.07	-0.03	-0.11	0.00	0.03	-0.19
RANGE(MAX-MIN)	-2.095	-2.228	3.174	-3.277	-2.737	-1.948
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 (2010 October 12-14)

Part ID= CAL1C - CALIBRATION PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	TGF
Cumberworth, Lee	30.97	15.62	0.20	15.21	4.91	30.00
Viera, Ralph B.	34.82	14.40	0.12	10.46	4.57	39.00
Seiz, Ray	38.79	6.56	0.17	12.65	5.83	31.00
Hills, Barry	27.17	10.87	0.24	14.65	4.61	29.00
Pitta, Jimmy	39.28	11.51	0.20	10.56	3.57	39.00
Schakel, J.J.	37.66	11.63	0.85	1.58	1.43	34.00
Castillo, George	29.13	12.45	0.10	9.34	3.57	37.00
Clapperty, Leon	32.60	13.37	0.28	10.52	3.27	35.00
Plaizier, Gert	35.15	11.95	0.10	11.48	3.81	32.00
Ramirez, Manny	40.38	2.15	0.95	14.36	8.90	41.00
Lopez, Frank	47.47	9.38	0.24	15.68	4.14	35.00
Anderson, Dan	30.75	10.60	0.00	8.60	5.50	26.00
May, Marianne	35.97	11.94	0.24	13.55	3.97	28.00
Kobrinetz, Joaquin J.	33.37	12.58	0.32	12.42	3.62	29.00
Guarda, Waldyr	41.24	11.21	0.20	19.41	4.79	36.00
Lowsky, John	26.10	9.46	0.50	12.48	4.88	34.00
Booth, Jeffrey	24.20	21.03	1.25	18.30	7.50	41.50
Lonsway, Chris	30.74	16.34	0.32	13.53	7.23	32.00
MAXIMUM	47.47	21.03	1.25	19.41	8.90	41.50
MINIMUM	24.20	2.15	0.00	1.58	1.43	26.00
RANGE(MAX-MIN)	23.270	18.880	1.250	17.830	7.470	15.500
MEAN	34.211	11.836	0.349	12.488	4.783	33.806
STANDARD DEVIATION	5.968	3.951	0.333	3.959	1.747	4.554

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
Cumberworth, Lee	-0.54	0.96	-0.45	0.69	0.07	-0.84
Viera, Ralph B.	0.10	0.65	-0.69	-0.51	-0.12	1.14
Seiz, Ray	0.77	-1.34	-0.54	0.04	0.60	-0.62
Hills, Barry	-1.18	-0.24	-0.33	0.55	-0.10	-1.06
Pitta, Jimmy	0.85	-0.08	-0.45	-0.49	-0.69	1.14
Schakel, J.J.	0.58	-0.05	1.50	-2.76	-1.92	0.04
Castillo, George	-0.85	0.16	-0.75	-0.80	-0.69	0.70
Clapperty, Leon	-0.27	0.39	-0.21	-0.50	-0.87	0.26
Plaizier, Gert	0.16	0.03	-0.75	-0.25	-0.56	-0.40
Ramirez, Manny	1.03	-2.45	1.80	0.47	2.36	1.58
Lopez, Frank	2.22	-0.62	-0.33	0.81	-0.37	0.26
Anderson, Dan	-0.58	-0.31	-1.05	-0.98	0.41	-1.71
May, Marianne	0.29	0.03	-0.33	0.27	-0.47	-1.27
Kobrinetz, Joaquin J.	-0.14	0.19	-0.09	-0.02	-0.67	-1.06
Guarda, Waldyr	1.18	-0.16	-0.45	1.75	0.00	0.48
Lowsky, John	-1.36	-0.60	0.45	0.00	0.06	0.04
Booth, Jeffrey	-1.68	2.33	2.71	1.47	1.56	1.69
Lonsway, Chris	-0.58	1.14	-0.09	0.26	1.40	-0.40
MAXIMUM	2.22	-2.45	2.71	-2.76	2.36	-1.71
MINIMUM	0.10	0.03	-0.09	0.00	0.00	0.04
RANGE(MAX-MIN)	2.120	-2.478	2.792	-2.753	2.353	-1.757
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 (2010 October 12-14)

Part ID= D1-4 - CAL. SEQUENCE V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Schakel, J.J.	7.83	8.08	7.96	7.95
Shoda, Ronald	9.23	8.90	8.43	8.12
Lowsky, John	8.68	8.75	8.33	8.38
Sanchez, Arthur	8.93	8.96	8.71	8.71
May, Marianne	9.14	9.00	8.40	8.33
Avis, Steven	8.03	8.08	7.52	7.58
Richerson, Jay	8.18	8.23	7.26	7.68
Lopez, Frank	9.10	9.09	8.25	8.22
Kobrinetz, Joaquin J.	9.03	9.09	8.43	8.25
Anderson, Dan	8.40	9.05	8.50	8.00
Kuipers, Jacques	8.85	9.00	8.60	8.60
MAXIMUM	9.23	9.09	8.71	8.71
MINIMUM	7.83	8.08	7.26	7.58
RANGE(MAX-MIN)	1.400	1.010	1.450	1.130
MEAN	8.673	8.748	8.217	8.165
STANDARD DEVIATION	0.488	0.410	0.456	0.350

Part ID= D1-4 - CAL. SEQUENCE V PISTONS

D1-4 YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Schakel, J.J.	-1.73	-1.63	-0.56	-0.62
Shoda, Ronald	1.14	0.37	0.47	-0.13
Lowsky, John	0.01	0.00	0.25	0.61
Sanchez, Arthur	0.53	0.52	1.08	1.56
May, Marianne	0.96	0.61	0.40	0.47
Avis, Steven	-1.32	-1.63	-1.53	-1.67
Richerson, Jay	-1.01	-1.26	-2.10	-1.39
Lopez, Frank	0.88	0.83	0.07	0.16
Kobrinetz, Joaquin J.	0.73	0.83	0.47	0.24
Anderson, Dan	-0.56	0.74	0.62	-0.47
Kuipers, Jacques	0.36	0.61	0.84	1.24
MAXIMUM	-1.73	-1.63	-2.10	-1.67
MINIMUM	0.01	0.00	0.07	-0.13
RANGE(MAX-MIN)	-1.743	-1.634	-2.173	-1.544
MEAN	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= E1-4 - CAL. SEQUENCE V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Foecking, Brian	9.04	9.00	8.70	8.46
Cumberworth, Lee	9.27	9.36	9.09	8.76
Langford, Mike	9.36	9.24	9.09	8.81
Kobrinetz, Joaquin J.	8.90	8.94	8.75	8.66
Lonsway, Chris	9.03	9.11	8.84	8.12
Caproni, David	9.04	9.05	8.85	8.55
Trevino, Bobby	9.00	9.01	8.74	8.83
Holland, Stephen	8.93	8.98	8.55	8.40
Hurst, Kevin R.	8.15	8.29	7.89	8.11
Castillo, George	8.92	8.92	8.27	8.50
Guarda, Waldyr	8.81	8.94	8.06	8.10
Cales, Jonathon	9.14	9.12	8.94	8.96
MAXIMUM	9.36	9.36	9.09	8.96
MINIMUM	8.15	8.29	7.89	8.10
RANGE(MAX-MIN)	1.210	1.070	1.200	0.860
MEAN	8.966	8.997	8.648	8.522
STANDARD DEVIATION	0.300	0.258	0.387	0.298

Part ID= E1-4 - CAL. SEQUENCE V PISTONS

E1-4 Yi Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Foecking, Brian	0.25	0.01	0.14	-0.21
Cumberworth, Lee	1.01	1.41	1.14	0.80
Langford, Mike	1.31	0.94	1.14	0.97
Kobrinetz, Joaquin J.	-0.22	-0.22	0.26	0.46
Lonsway, Chris	0.21	0.44	0.50	-1.35
Caproni, David	0.25	0.21	0.52	0.10
Trevino, Bobby	0.11	0.05	0.24	1.04
Holland, Stephen	-0.12	-0.06	-0.25	-0.41
Hurst, Kevin R.	-2.72	-2.74	-1.96	-1.38
Castillo, George	-0.15	-0.30	-0.98	-0.07
Guarda, Waldyr	-0.52	-0.22	-1.52	-1.42
Cales, Jonathon	0.58	0.48	0.76	1.47
MAXIMUM	-2.72	-2.74	-1.96	1.47
MINIMUM	0.11	0.01	0.14	-0.07
RANGE(MAX-MIN)	-2.830	-2.748	-2.093	1.545
MEAN	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= F1-4 - CAL. SEQUENCE V PISTONS

Rated Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Rodriguez, Jesus (Jesse)	9.27	9.18	8.66	8.59
Greenland, Paul	9.12	8.52	8.13	7.95
Viera, Ralph B.	8.57	8.56	8.37	7.88
Barrera, Tony	9.30	8.77	8.70	8.59
Plaizier, Gert	9.30	8.95	8.70	8.35
Kobrinetz, Joaquin J.	9.11	8.83	8.54	8.39
Seiz, Ray	9.13	8.89	8.94	8.72
Hills, Barry	9.49	9.53	9.21	9.46
MAXIMUM	9.49	9.53	9.21	9.46
MINIMUM	8.57	8.52	8.13	7.88
RANGE(MAX-MIN)	0.920	1.010	1.080	1.580
MEAN	9.161	8.904	8.656	8.491
STANDARD DEVIATION	0.271	0.329	0.330	0.494

Part ID= F1-4 - CAL. SEQUENCE V PISTONS

F1-4 YI Values

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

Rater	P1MERI	P2MERI	P3MERI	P4MERI
Rodriguez, Jesus (Jesse)	0.40	0.84	0.01	0.20
Greenland, Paul	-0.15	-1.17	-1.59	-1.10
Viera, Ralph B.	-2.18	-1.04	-0.87	-1.24
Barrera, Tony	0.51	-0.41	0.13	0.20
Plaizier, Gert	0.51	0.14	0.13	-0.29
Kobrinetz, Joaquin J.	-0.19	-0.22	-0.35	-0.21
Seiz, Ray	-0.12	-0.04	0.86	0.46
Hills, Barry	1.21	1.90	1.68	1.96
MAXIMUM	-2.18	1.90	1.68	1.96
MINIMUM	-0.12	-0.04	0.01	0.20
RANGE(MAX-MIN)	-2.068	1.943	1.665	1.762
MEAN	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= G1 - CAL D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Seiz, Ray	0.31	0.66	7.10	0.51	8.67
May, Marianne	0.81	0.69	6.89	0.50	9.32
Cales, Jonathon	0.62	0.58	5.91	0.51	8.92
Kobrinetz, Joaquin J.	0.59	0.56	6.52	0.68	9.23
Schakel, J.J.	0.56	0.60	6.65	1.79	8.37
Holland, Stephen	0.60	0.41	7.62	0.60	9.24
Richerson, Jay	2.36	0.61	5.92	1.63	9.19
Lopez, Frank	0.56	0.55	7.21	0.56	8.79
Kuipers, Jacques	0.60	0.68	5.95	0.15	9.41
MAXIMUM	2.36	0.69	7.62	1.79	9.41
MINIMUM	0.31	0.41	5.91	0.15	8.37
RANGE(MAX-MIN)	2.050	0.280	1.710	1.640	1.040
MEAN	0.779	0.593	6.641	0.770	9.016
STANDARD DEVIATION	0.606	0.085	0.623	0.554	0.348

Part ID= G1 - CAL D4V PISTON

G1 Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Seiz, Ray	-0.77	0.78	0.74	-0.47	-0.99
May, Marianne	0.05	1.13	0.40	-0.49	0.87
Cales, Jonathon	-0.26	-0.16	-1.17	-0.47	-0.27
Kobrinetz, Joaquin J.	-0.31	-0.39	-0.19	-0.16	0.62
Schakel, J.J.	-0.36	0.08	0.01	1.84	-1.85
Holland, Stephen	-0.30	-2.15	1.57	-0.31	0.64
Richerson, Jay	2.61	0.20	-1.16	1.55	0.50
Lopez, Frank	-0.36	-0.51	0.91	-0.38	-0.65
Kuipers, Jacques	-0.30	1.01	-1.11	-1.12	1.13
MAXIMUM	2.61	-2.15	1.57	1.84	-1.85
MINIMUM	0.05	0.08	0.01	-0.16	-0.27
RANGE(MAX-MIN)	2.556	-2.224	1.558	2.004	-1.579
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000



## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= H1 - CAL D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Caproni, David	1.20	0.55	2.98	1.27	4.86
Foecking, Brian	2.26	0.92	3.57	0.78	5.23
Kobrinetz, Joaquin J.	1.25	1.11	3.66	0.61	5.16
Trevino, Bobby	0.74	0.83	1.83	0.51	5.09
Langford, Mike	2.06	1.25	3.73	1.39	4.50
Avis, Steven	1.46	0.80	2.20	0.24	4.94
Hurst, Kevin R.	0.75	0.95	3.25	0.62	4.52
MAXIMUM	2.26	1.25	3.73	1.39	5.23
MINIMUM	0.74	0.55	1.83	0.24	4.50
RANGE(MAX-MIN)	1.520	0.700	1.900	1.150	0.730
MEAN	1.389	0.916	3.031	0.774	4.900
STANDARD DEVIATION	0.591	0.226	0.748	0.415	0.294

Part ID= H1 - CAL D4V PISTON

H1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Caproni, David	-0.32	-1.62	-0.07	1.20	-0.14
Foecking, Brian	1.47	0.02	0.72	0.01	1.12
Kobrinetz, Joaquin J.	-0.23	0.86	0.84	-0.40	0.88
Trevino, Bobby	-1.10	-0.38	-1.61	-0.64	0.65
Langford, Mike	1.14	1.48	0.93	1.49	-1.36
Avis, Steven	0.12	-0.51	-1.11	-1.29	0.14
Hurst, Kevin R.	-1.08	0.15	0.29	-0.37	-1.29
MAXIMUM	1.47	-1.62	-1.61	1.49	-1.36
MINIMUM	0.12	0.02	-0.07	0.01	-0.14
RANGE(MAX-MIN)	1.353	-1.641	-1.537	1.472	-1.223
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= I1 - CAL D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Cumberworth, Lee	0.75	0.82	1.36	0.57	4.78
Kobrinetz, Joaquin J.	0.74	0.87	2.09	0.34	5.73
Greenland, Paul	0.74	0.75	2.10	0.30	5.52
Shoda, Ronald	0.75	0.75	2.16	0.86	4.18
Lonsway, Chris	0.74	0.70	2.62	0.35	5.66
Barrera, Tony	0.71	0.91	1.77	0.35	5.57
Guarda, Waldyr	0.71	0.69	2.23	0.08	4.81
Lowsky, John	0.58	0.68	3.02	0.77	5.98
Anderson, Dan	0.75	0.74	3.15	0.00	5.80
Plaizier, Gert	0.74	0.74	1.64	0.04	5.14
MAXIMUM	0.75	0.91	3.15	0.86	5.98
MINIMUM	0.58	0.68	1.36	0.00	4.18
RANGE(MAX-MIN)	0.170	0.230	1.790	0.860	1.800
MEAN	0.721	0.765	2.214	0.366	5.317
STANDARD DEVIATION	0.052	0.077	0.575	0.294	0.571

Part ID= I1 - CAL D4V PISTON

I1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Cumberworth, Lee	0.56	0.71	-1.48	0.69	-0.94
Kobrinetz, Joaquin J.	0.37	1.36	-0.22	-0.09	0.72
Greenland, Paul	0.37	-0.19	-0.20	-0.22	0.36
Shoda, Ronald	0.56	-0.19	-0.09	1.68	-1.99
Lonsway, Chris	0.37	-0.84	0.71	-0.05	0.60
Barrera, Tony	-0.21	1.87	-0.77	-0.05	0.44
Guarda, Waldyr	-0.21	-0.97	0.03	-0.97	-0.89
Lowsky, John	-2.73	-1.10	1.40	1.38	1.16
Anderson, Dan	0.56	-0.32	1.63	-1.25	0.85
Plaizier, Gert	0.37	-0.32	-1.00	-1.11	-0.31
MAXIMUM	-2.73	1.87	1.63	1.68	-1.99
MINIMUM	-0.21	-0.19	0.03	-0.05	-0.31
RANGE(MAX-MIN)	-2.513	2.068	1.599	1.736	-1.681
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Kobrinetz, Joaquin J.	44.00	16.00	43.00	35.00	42.00	49.00
Barrera, Tony	48.00	17.00	40.00	44.00	41.00	46.00
Seiz, Ray	36.00	15.00	46.00	30.00	32.00	54.00
Avis, Steven	34.00	15.00	53.00	24.00	31.00	46.00
Foecking, Brian	42.00	22.00	52.00	26.00	46.00	56.00
Hills, Barry	35.00	16.00	49.00	34.00	49.00	46.00
Viera, Ralph B.	34.00	23.00	54.00	32.00	42.00	44.00
Lopez, Frank	67.00	16.00	43.00	43.00	63.00	60.00
Castillo, George	46.00	22.00	50.00	41.00	48.00	49.00
Richerson, Jay	32.00	21.00	42.00	24.00	35.00	38.00
Guarda, Waldyr	36.00	17.00	42.00	31.00	32.00	42.00
MAXIMUM	67.00	23.00	54.00	44.00	63.00	60.00
MINIMUM	32.00	15.00	40.00	24.00	31.00	38.00
RANGE(MAX-MIN)	35.000	8.000	14.000	20.000	32.000	22.000
MEAN	41.273	18.182	46.727	33.091	41.909	48.182
STANDARD DEVIATION	10.120	3.125	5.042	7.176	9.555	6.400

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

J1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Kobrinetz, Joaquin J.	0.27	-0.70	-0.74	0.27	0.01	0.13
Barrera, Tony	0.66	-0.38	-1.33	1.52	-0.10	-0.34
Seiz, Ray	-0.52	-1.02	-0.14	-0.43	-1.04	0.91
Avis, Steven	-0.72	-1.02	1.24	-1.27	-1.14	-0.34
Foecking, Brian	0.07	1.22	1.05	-0.99	0.43	1.22
Hills, Barry	-0.62	-0.70	0.45	0.13	0.74	-0.34
Viera, Ralph B.	-0.72	1.54	1.44	-0.15	0.01	-0.65
Lopez, Frank	2.54	-0.70	-0.74	1.38	2.21	1.85
Castillo, George	0.47	1.22	0.65	1.10	0.64	0.13
Richerson, Jay	-0.92	0.90	-0.94	-1.27	-0.72	-1.59
Guarda, Waldyr	-0.52	-0.38	-0.94	-0.29	-1.04	-0.97
MAXIMUM	2.54	1.54	1.44	1.52	2.21	1.85
MINIMUM	0.07	-0.38	-0.14	0.13	0.01	0.13
RANGE(MAX-MIN)	2.470	1.920	1.587	1.394	2.198	1.719
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 (2010 October 12-14)

Part ID= SCAL1 - VG TIMING CHAIN COVER

Rated Values

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

Rater	TOTALS	
Trevino, Bobby	9.22	
Holland, Stephen	9.21	
Rodriguez, Jesus (Jesse)	9.06	
Barrera, Tony	9.24	
Cumberworth, Lee	8.89	
Foecking, Brian	9.14	
Caproni, David	9.22	
Clapperty, Leon	9.27	
Lopez, Frank	9.11	
Hills, Barry	9.21	
Kobrinetz, Joaquin J.	9.06	
Shoda, Ronald	9.10	
Lonsway, Chris	9.17	
Cales, Jonathon	9.16	
Hurst, Kevin R.	9.43	
Sanchez, Arthur	9.07	
Langford, Mike	9.34	
Seiz, Ray	9.02	
Avis, Steven	9.28	
May, Marianne	9.27	
Greenland, Paul	9.22	
Castillo, George	9.25	
Guarda, Waldyr	9.31	
Viera, Ralph B.	9.15	
Lowsky, John	8.66	
Anderson, Dan	9.73	
Booth, Jeffrey	9.66	
Ramirez, Manny	9.67	
MAXIMUM	9.73	
MINIMUM	8.66	
RANGE(MAX-MIN)	1.070	
MEAN	9.219	
STANDARD DEVIATION	0.221	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= SCAL1 - VG TIMING CHAIN COVER

SCAL1 Yi Values

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

Rater	TOTALS	
Trevino, Bobby	0.01	
Holland, Stephen	-0.04	
Rodriguez, Jesus (Jesse)	-0.72	
Barrera, Tony	0.10	
Cumberworth, Lee	-1.49	
Foecking, Brian	-0.36	
Caproni, David	0.01	
Clapperty, Leon	0.23	
Lopez, Frank	-0.49	
Hills, Barry	-0.04	
Kobrinetz, Joaquin J.	-0.72	
Shoda, Ronald	-0.54	
Lonsway, Chris	-0.22	
Cales, Jonathon	-0.27	
Hurst, Kevin R.	0.96	
Sanchez, Arthur	-0.67	
Langford, Mike	0.55	
Seiz, Ray	-0.90	
Avis, Steven	0.28	
May, Marianne	0.23	
Greenland, Paul	0.01	
Castillo, George	0.14	
Guarda, Waldyr	0.41	
Viera, Ralph B.	-0.31	
Lowsky, John	-2.53	
Anderson, Dan	2.32	
Booth, Jeffrey	2.00	
Ramirez, Manny	2.05	
MAXIMUM	-2.53	
MINIMUM	0.01	
RANGE(MAX-MIN)	-2.540	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= SCAL2 - VG TIMING CHAIN COVER

Rated Values

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

Rater	TOTALS	
Holland, Stephen	7.34	
Rodriguez, Jesus (Jesse)	7.37	
Barrera, Tony	7.39	
Foecking, Brian	7.41	
Shoda, Ronald	7.30	
Caproni, David	7.44	
Cales, Jonathon	7.34	
Hills, Barry	7.55	
Kobrinetz, Joaquin J.	7.63	
Lonsway, Chris	7.39	
Trevino, Bobby	7.39	
Hurst, Kevin R.	7.50	
Cumberworth, Lee	7.44	
Langford, Mike	7.34	
Seiz, Ray	7.42	
Clapperty, Leon	7.62	
Greenland, Paul	7.42	
Castillo, George	7.26	
Avis, Steven	7.63	
Sanchez, Arthur	7.58	
Guarda, Waldyr	7.43	
Viera, Ralph B.	7.39	
Lowsky, John	7.08	
Lopez, Frank	7.35	
Anderson, Dan	8.16	
Ramirez, Manny	8.27	
May, Marianne	7.37	
Booth, Jeffrey	8.64	
MAXIMUM	8.64	
MINIMUM	7.08	
RANGE(MAX-MIN)	1.560	
MEAN	7.516	
STANDARD DEVIATION	0.326	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= SCAL2 - VG TIMING CHAIN COVER

SCAL2 Yi Values

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

Rater	TOTALS	
Holland, Stephen	-0.54	
Rodriguez, Jesus (Jesse)	-0.45	
Barrera, Tony	-0.39	
Foecking, Brian	-0.33	
Shoda, Ronald	-0.66	
Caproni, David	-0.23	
Cales, Jonathon	-0.54	
Hills, Barry	0.10	
Kobrinetz, Joaquin J.	0.35	
Lonsway, Chris	-0.39	
Trevino, Bobby	-0.39	
Hurst, Kevin R.	-0.05	
Cumberworth, Lee	-0.23	
Langford, Mike	-0.54	
Seiz, Ray	-0.29	
Clapperty, Leon	0.32	
Greenland, Paul	-0.29	
Castillo, George	-0.79	
Avis, Steven	0.35	
Sanchez, Arthur	0.20	
Guarda, Waldyr	-0.26	
Viera, Ralph B.	-0.39	
Lowsky, John	-1.34	
Lopez, Frank	-0.51	
Anderson, Dan	1.98	
Ramirez, Manny	2.31	
May, Marianne	-0.45	
Booth, Jeffrey	3.45	
MAXIMUM	3.45	
MINIMUM	-0.05	
RANGE(MAX-MIN)	3.499	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= A1 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF
Hills, Barry	58.48	12.85	0.10	0.10	26.49	0.23	0.26	71.00
Pitta, Jimmy	70.45	13.85	0.02	0.20	32.63	1.43	1.60	68.00
Viera, Ralph B.	50.56	12.19	0.64	0.18	14.31	0.78	0.75	60.00
Guarda, Waldyr	63.41	10.64	0.08	0.12	22.09	1.02	0.75	65.00
Plaizier, Gert	55.31	13.01	0.01	0.00	15.32	2.09	1.76	51.00
Caproni, David	59.97	10.03	0.10	0.10	29.81	1.39	1.59	60.00
Greenland, Paul	62.06	11.46	0.20	0.23	16.40	1.28	1.23	60.00
Lonsway, Chris	51.39	14.47	0.60	0.50	21.21	1.57	1.50	60.00
Rodriguez, Jesus (Jesse)	63.93	12.72	0.10	0.15	17.49	0.96	1.08	52.00
Cales, Jonathon	52.93	12.36	0.15	0.15	17.40	1.83	2.12	53.00
Ramirez, Manny	50.10	12.94	0.00	0.00	34.46	1.60	1.75	57.00
Anderson, Dan	56.15	10.78	0.30	0.10	34.55	1.05	1.05	60.00
May, Marianne	60.57	12.73	0.23	0.21	18.13	0.65	0.61	64.00
Seiz, Ray	68.09	9.52	0.20	0.14	20.86	1.21	1.34	74.00
Lowsky, John	40.65	9.78	0.25	0.21	15.36	0.74	0.71	61.00
Schakel, J.J.	62.21	10.30	0.00	0.00	40.54	1.20	1.41	61.00
Barrera, Tony	58.92	11.69	0.03	0.01	20.01	0.71	0.48	60.00
Kuipers, Jacques	53.67	12.03	0.05	0.00	16.00	2.15	2.07	48.00
Avis, Steven	61.53	13.11	0.10	0.10	25.80	0.67	0.62	62.00
Richerson, Jay	45.47	12.24	0.02	0.05	9.57	2.50	1.86	58.00
MAXIMUM	70.45	14.47	0.64	0.50	40.54	2.50	2.12	74.00
MINIMUM	40.65	9.52	0.00	0.00	9.57	0.23	0.26	48.00
RANGE(MAX-MIN)	29.800	4.950	0.640	0.500	30.970	2.270	1.860	26.000
MEAN	57.293	11.935	0.159	0.128	22.422	1.253	1.227	60.250
STANDARD DEVIATION	7.413	1.379	0.181	0.117	8.251	0.580	0.556	6.398

Part ID= A1 - SQUARE CUT

A1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF
Hills, Barry	0.16	0.66	-0.33	-0.24	0.49	-1.77	-1.74	1.68
Pitta, Jimmy	1.78	1.39	-0.77	0.62	1.24	0.31	0.67	1.21
Viera, Ralph B.	-0.91	0.18	2.66	0.45	-0.98	-0.82	-0.86	-0.04
Guarda, Waldyr	0.83	-0.94	-0.44	-0.06	-0.04	-0.40	-0.86	0.74
Plaizier, Gert	-0.27	0.78	-0.82	-1.09	-0.86	1.44	0.96	-1.45
Caproni, David	0.36	-1.38	-0.33	-0.24	0.90	0.24	0.65	-0.04
Greenland, Paul	0.64	-0.34	0.23	0.88	-0.73	0.05	0.01	-0.04
Lonsway, Chris	-0.80	1.84	2.44	3.18	-0.15	0.55	0.49	-0.04
Rodriguez, Jesus (Jesse)	0.90	0.57	-0.33	0.19	-0.60	-0.51	-0.26	-1.29
Cales, Jonathon	-0.59	0.31	-0.05	0.19	-0.61	1.00	1.61	-1.13
Ramirez, Manny	-0.97	0.73	-0.88	-1.09	1.46	0.60	0.94	-0.51
Anderson, Dan	-0.15	-0.84	0.78	-0.24	1.47	-0.35	-0.32	-0.04
May, Marianne	0.44	0.58	0.39	0.71	-0.52	-1.04	-1.11	0.59
Seiz, Ray	1.46	-1.75	0.23	0.11	-0.19	-0.07	0.20	2.15
Lowsky, John	-2.25	-1.56	0.50	0.71	-0.86	-0.89	-0.93	0.12
Schakel, J.J.	0.66	-1.19	-0.88	-1.09	2.20	-0.09	0.33	0.12
Barrera, Tony	0.22	-0.18	-0.71	-1.00	-0.29	-0.94	-1.34	-0.04
Kuipers, Jacques	-0.49	0.07	-0.60	-1.09	-0.78	1.55	1.52	-1.91
Avis, Steven	0.57	0.85	-0.33	-0.24	0.41	-1.01	-1.09	0.27
Richerson, Jay	-1.59	0.22	-0.77	-0.66	-1.56	2.15	1.14	-0.35
MAXIMUM	-2.25	1.84	2.66	3.18	2.20	2.15	-1.74	2.15
MINIMUM	-0.15	0.07	-0.05	-0.06	-0.04	0.05	0.01	-0.04
RANGE(MAX-MIN)	-2.091	1.769	2.707	3.249	2.236	2.105	-1.744	2.188
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 (2010 October 12-14)

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
Pitta, Jimmy	37.40	24.17	0.24	0.20	3.76	37.59	1.33	0.48	34.00	42.00	0.00	0.00
Lonsway, Chris	37.00	22.08	1.51	0.60	4.47	27.22	1.07	0.85	22.00	9.00	0.00	2.00
Hills, Barry	36.25	21.97	0.51	0.19	5.51	31.35	0.50	0.50	26.00	20.00	0.00	0.00
Rodriguez, Jesus (Jesse)	36.90	22.29	0.41	0.03	3.61	29.14	0.77	0.60	26.00	40.00	0.00	0.00
Plaizier, Gert	37.03	20.88	0.26	0.00	3.08	24.26	0.50	0.20	16.00	10.00	0.00	0.00
Caproni, David	33.25	21.16	0.55	0.13	2.77	27.03	0.70	0.30	25.00	24.00	0.00	0.00
Guarda, Waldyr	47.25	25.87	0.62	0.44	7.62	30.93	1.99	1.46	42.00	29.00	1.00	1.00
Greenland, Paul	37.00	22.24	0.30	0.18	2.28	27.63	0.39	0.75	18.00	15.00	0.00	1.00
Cales, Jonathon	35.75	23.18	0.62	0.15	5.00	25.25	0.55	0.80	18.00	20.00	0.00	0.00
Anderson, Dan	36.25	20.60	0.10	0.00	2.55	25.45	0.99	0.18	40.00	20.00	0.00	0.00
Viera, Ralph B.	37.50	23.07	0.53	0.09	5.54	28.68	0.58	0.37	22.00	20.00	0.00	0.00
Ramirez, Manny	36.00	23.27	2.26	0.50	6.28	50.60	3.22	0.30	37.00	23.00	0.00	0.00
Seiz, Ray	38.00	24.57	0.23	0.24	3.78	26.36	0.54	1.70	19.00	14.00	1.00	1.00
May, Marianne	36.50	22.70	0.16	0.06	2.80	28.16	0.39	0.46	20.00	12.00	0.00	0.00
Barrera, Tony	36.00	21.85	0.19	0.05	4.49	29.45	0.21	0.77	22.00	13.00	0.00	0.00
Schakel, J.J.	38.25	20.29	0.61	0.02	4.12	32.56	0.65	1.23	18.00	31.00	0.00	0.00
Shoda, Ronald	37.25	23.15	0.50	0.15	8.78	24.82	0.34	1.00	27.00	30.00	0.00	1.00
Lowsky, John	32.25	20.35	0.42	0.19	2.55	24.95	0.75	0.31	32.00	28.00	0.00	0.00
Foecking, Brian	36.50	22.36	0.65	0.04	3.41	28.93	0.13	0.49	17.00	14.00	0.00	1.00
Avis, Steven	37.50	22.42	0.94	0.08	4.59	27.40	0.54	1.50	18.00	18.00	0.00	0.00
MAXIMUM	47.25	25.87	2.26	0.60	8.78	50.60	3.22	1.70	42.00	42.00	1.00	2.00
MINIMUM	32.25	20.29	0.10	0.00	2.28	24.26	0.13	0.18	16.00	9.00	0.00	0.00
RANGE(MAX-MIN)	15.000	5.580	2.160	0.600	6.500	26.340	3.090	1.520	26.000	33.000	1.000	2.000
MEAN	36.992	22.424	0.581	0.167	4.350	29.388	0.807	0.713	24.950	21.600	0.100	0.350
STANDARD DEVIATION	2.811	1.427	0.506	0.168	1.728	5.902	0.706	0.455	8.023	9.344	0.308	0.587

Part ID= A2 - KEYSTONE

A2 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	UCTOT	TGF	2ndGF	TLHC	TLFC
Pitta, Jimmy	0.15	1.22	-0.67	0.20	-0.34	1.39	0.74	-0.51	1.13	2.18	-0.32	-0.60
Lonsway, Chris	0.00	-0.24	1.84	2.58	0.07	-0.37	0.37	0.30	-0.37	-1.35	-0.32	2.81
Hills, Barry	-0.26	-0.32	-0.14	0.14	0.67	0.33	-0.43	-0.47	0.13	-0.17	-0.32	-0.60
Rodriguez, Jesus (Jesse)	-0.03	-0.09	-0.34	-0.82	-0.43	-0.04	-0.05	-0.25	0.13	1.97	-0.32	-0.60
Plaizier, Gert	0.01	-1.08	-0.63	-1.00	-0.73	-0.87	-0.43	-1.13	-1.12	-1.24	-0.32	-0.60
Caproni, David	-1.33	-0.89	-0.06	-0.22	-0.91	-0.40	-0.15	-0.91	0.01	0.26	-0.32	-0.60
Guarda, Waldyr	3.65	2.41	0.08	1.63	1.89	0.26	1.68	1.64	2.13	0.79	2.92	1.11
Greenland, Paul	0.00	-0.13	-0.55	0.08	-1.20	-0.30	-0.59	0.08	-0.87	-0.71	-0.32	1.11
Cales, Jonathon	-0.44	0.53	0.08	-0.10	0.38	-0.70	-0.36	0.19	-0.87	-0.17	-0.32	-0.60
Anderson, Dan	-0.26	-1.28	-0.95	-1.00	-1.04	-0.67	0.26	-1.17	1.88	-0.17	-0.32	-0.60
Viera, Ralph B.	0.18	0.45	-0.10	-0.46	0.69	-0.12	-0.32	-0.75	-0.37	-0.17	-0.32	-0.60
Ramirez, Manny	-0.35	0.59	3.32	1.99	1.12	3.59	3.42	-0.91	1.50	0.15	-0.32	-0.60
Seiz, Ray	0.36	1.50	-0.69	0.44	-0.33	-0.51	-0.38	2.17	-0.74	-0.81	2.92	1.11
May, Marianne	-0.17	0.19	-0.83	-0.64	-0.90	-0.21	-0.59	-0.56	-0.62	-1.03	-0.32	-0.60
Barrera, Tony	-0.35	-0.40	-0.77	-0.70	0.08	0.01	-0.85	0.13	-0.37	-0.92	-0.32	-0.60
Schakel, J.J.	0.45	-1.49	0.06	-0.88	-0.13	0.54	-0.22	1.14	-0.87	1.01	-0.32	-0.60
Shoda, Ronald	0.09	0.51	-0.16	-0.10	2.56	-0.77	-0.66	0.63	0.26	0.90	-0.32	1.11
Lowsky, John	-1.69	-1.45	-0.32	0.14	-1.04	-0.75	-0.08	-0.89	0.88	0.69	-0.32	-0.60
Foecking, Brian	-0.17	-0.04	0.14	-0.76	-0.54	-0.08	-0.96	-0.49	-0.99	-0.81	-0.32	1.11
Avis, Steven	0.18	0.00	0.71	-0.52	0.14	-0.34	-0.38	1.73	-0.87	-0.39	-0.32	-0.60
MAXIMUM	3.65	2.41	3.32	2.58	2.56	3.59	3.42	2.17	2.13	2.18	2.92	2.81
MINIMUM	0.00	0.00	0.06	0.08	0.07	0.01	-0.05	0.08	0.01	0.15	-0.32	-0.60
RANGE(MAX-MIN)	3.646	2.417	3.258	2.507	2.494	3.584	3.471	2.090	2.119	2.034	3.249	3.406
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 (2010 October 12-14)

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
Lonsway, Chris	42.02	5.63	3.01	3.00	21.91	27.17	6.02	2.61
Guarda, Waldyr	50.70	5.44	3.51	5.46	20.45	26.12	6.07	3.32
Caproni, David	33.09	4.79	3.00	8.00	20.72	25.70	3.52	3.50
Hills, Barry	35.12	3.73	2.90	9.00	21.66	28.17	3.97	2.31
Pitta, Jimmy	56.83	4.48	3.25	0.15	23.47	27.27	4.96	3.00
Anderson, Dan	47.60	3.63	2.00	0.90	16.21	28.05	3.38	1.50
Greenland, Paul	52.50	3.87	2.70	7.50	23.13	27.70	4.18	2.63
Plaizier, Gert	49.84	3.12	2.60	7.50	23.24	17.86	2.84	2.10
Cales, Jonathon	37.04	4.51	3.45	7.50	25.78	25.01	6.10	3.10
Rodriguez, Jesus (Jesse)	51.64	3.49	2.84	7.50	21.30	26.48	2.86	2.04
Viera, Ralph B.	48.30	3.84	2.98	7.50	24.23	26.34	5.72	2.68
Ramirez, Manny	35.02	7.47	0.00	0.15	25.00	26.68	8.47	0.00
Seiz, Ray	45.42	3.00	4.01	6.70	22.99	20.84	4.08	3.21
Avis, Steven	47.75	3.24	2.18	4.50	20.79	24.70	3.23	1.00
Lowsky, John	41.03	2.55	2.60	1.50	16.75	21.80	3.40	1.40
Kuipers, Jacques	54.50	3.81	2.90	7.50	19.31	29.86	3.91	3.00
Barrera, Tony	34.92	3.47	2.70	2.10	20.11	24.77	3.76	2.50
Richerson, Jay	41.66	4.55	3.20	4.50	17.60	27.73	4.62	2.60
MAXIMUM	56.83	7.47	4.01	9.00	25.78	29.86	8.47	3.50
MINIMUM	33.09	2.55	0.00	0.15	16.21	17.86	2.84	0.00
RANGE(MAX-MIN)	23.740	4.920	4.010	8.850	9.570	12.000	5.630	3.500
MEAN	44.721	4.146	2.768	5.053	21.369	25.681	4.505	2.361
STANDARD DEVIATION	7.477	1.165	0.834	3.015	2.705	2.935	1.470	0.904

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
Lonsway, Chris	-0.36	1.27	0.29	-0.68	0.20	0.51	1.03	0.28
Guarda, Waldyr	0.80	1.11	0.89	0.13	-0.34	0.15	1.06	1.06
Caproni, David	-1.56	0.55	0.28	0.98	-0.24	0.01	-0.67	1.26
Hills, Barry	-1.28	-0.36	0.16	1.31	0.11	0.85	-0.36	-0.06
Pitta, Jimmy	1.62	0.29	0.58	-1.63	0.78	0.54	0.31	0.71
Anderson, Dan	0.39	-0.44	-0.92	-1.38	-1.91	0.81	-0.77	-0.95
Greenland, Paul	1.04	-0.24	-0.08	0.81	0.65	0.69	-0.22	0.30
Plaizier, Gert	0.68	-0.88	-0.20	0.81	0.69	-2.66	-1.13	-0.29
Cales, Jonathon	-1.03	0.31	0.82	0.81	1.63	-0.23	1.08	0.82
Rodriguez, Jesus (Jesse)	0.93	-0.56	0.09	0.81	-0.03	0.27	-1.12	-0.36
Viera, Ralph B.	0.48	-0.26	0.25	0.81	1.06	0.22	0.83	0.35
Ramirez, Manny	-1.30	2.85	-3.32	-1.63	1.34	0.34	2.70	-2.61
Seiz, Ray	0.09	-0.98	1.49	0.55	0.60	-1.65	-0.29	0.94
Avis, Steven	0.41	-0.78	-0.71	-0.18	-0.21	-0.33	-0.87	-1.51
Lowsky, John	-0.49	-1.37	-0.20	-1.18	-1.71	-1.32	-0.75	-1.06
Kuipers, Jacques	1.31	-0.29	0.16	0.81	-0.76	1.42	-0.40	0.71
Barrera, Tony	-1.31	-0.58	-0.08	-0.98	-0.47	-0.31	-0.51	0.15
Richerson, Jay	-0.41	0.35	0.52	-0.18	-1.39	0.70	0.08	0.26
MAXIMUM	1.62	2.85	-3.32	-1.63	-1.91	-2.66	2.70	-2.61
MINIMUM	0.09	-0.24	-0.08	0.13	-0.03	0.01	0.08	-0.06
RANGE(MAX-MIN)	1.526	3.089	-3.236	-1.761	-1.881	-2.671	2.619	-2.557
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 (2010 October 12-14)

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
Hills, Barry	55.27	13.35	0.30	0.14	20.01	0.30	0.37	66.00
Guarda, Waldyr	64.50	13.46	0.34	0.24	18.39	0.99	0.75	71.00
Rodríguez, Jesus (Jesse)	69.10	12.57	0.20	0.27	15.71	0.96	1.02	63.00
Seiz, Ray	70.04	16.54	0.39	0.23	25.73	0.74	0.96	72.00
Plaizier, Gert	64.85	12.11	0.10	0.00	13.62	1.80	1.82	60.00
Caproni, David	63.60	10.39	0.20	0.10	23.22	0.95	1.46	61.00
Anderson, Dan	58.85	9.90	0.50	0.10	13.60	0.30	1.06	60.00
Viera, Ralph B.	63.55	12.44	1.01	0.41	15.04	0.82	0.71	71.00
Greenland, Paul	65.06	10.51	0.30	0.25	15.70	1.02	1.55	69.00
Lonsway, Chris	51.16	15.05	0.61	0.29	16.76	1.03	1.72	52.00
Pitta, Jimmy	67.50	12.94	0.13	0.26	22.27	0.85	1.60	62.00
May, Marianne	62.43	13.81	0.34	0.30	16.44	0.46	0.73	72.00
Ramirez, Manny	56.58	13.20	1.24	2.01	19.87	1.35	1.05	57.00
Avis, Steven	64.50	12.03	0.19	0.04	20.17	0.36	0.67	68.00
Barrera, Tony	56.46	12.33	0.16	0.04	18.88	0.53	0.53	67.00
Booth, Jeffrey	66.50	11.37	0.22	0.04	17.94	1.07	1.54	67.00
Schakel, J.J.	66.83	12.52	0.32	0.10	20.57	0.55	0.55	66.00
Cales, Jonathon	61.29	16.57	0.30	0.15	17.66	0.75	1.86	60.00
Richerson, Jay	51.08	10.93	0.08	0.02	10.17	1.21	1.83	69.00
MAXIMUM	70.04	16.57	1.24	2.01	25.73	1.80	1.86	72.00
MINIMUM	51.08	9.90	0.08	0.00	10.17	0.30	0.37	52.00
RANGE(MAX-MIN)	18.960	6.670	1.160	2.010	15.560	1.500	1.490	20.000
MEAN	62.061	12.738	0.365	0.263	17.987	0.844	1.146	64.895
STANDARD DEVIATION	5.659	1.851	0.301	0.439	3.714	0.383	0.502	5.567

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
Hills, Barry	-1.20	0.33	-0.22	-0.28	0.54	-1.42	-1.55	0.20
Guarda, Waldyr	0.43	0.39	-0.08	-0.05	0.11	0.38	-0.79	1.10
Rodríguez, Jesus (Jesse)	1.24	-0.09	-0.55	0.02	-0.61	0.30	-0.25	-0.34
Seiz, Ray	1.41	2.05	0.08	-0.07	2.09	-0.27	-0.37	1.28
Plaizier, Gert	0.49	-0.34	-0.88	-0.60	-1.18	2.49	1.34	-0.88
Caproni, David	0.27	-1.27	-0.55	-0.37	1.41	0.28	0.62	-0.70
Anderson, Dan	-0.57	-1.53	0.45	-0.37	-1.18	-1.42	-0.17	-0.88
Viera, Ralph B.	0.26	-0.16	2.14	0.34	-0.79	-0.06	-0.87	1.10
Greenland, Paul	0.53	-1.20	-0.22	-0.03	-0.62	0.46	0.80	0.74
Lonsway, Chris	-1.93	1.25	0.81	0.06	-0.33	0.48	1.14	-2.32
Pitta, Jimmy	0.96	0.11	-0.78	-0.01	1.15	0.02	0.90	-0.52
May, Marianne	0.07	0.58	-0.08	0.09	-0.42	-1.00	-0.83	1.28
Ramirez, Manny	-0.97	0.25	2.91	3.98	0.51	1.32	-0.19	-1.42
Avis, Steven	0.43	-0.38	-0.58	-0.51	0.59	-1.26	-0.95	0.56
Barrera, Tony	-0.99	-0.22	-0.68	-0.51	0.24	-0.82	-1.23	0.38
Booth, Jeffrey	0.78	-0.74	-0.48	-0.51	-0.01	0.59	0.78	0.38
Schakel, J.J.	0.84	-0.12	-0.15	-0.37	0.70	-0.77	-1.19	0.20
Cales, Jonathon	-0.14	2.07	-0.22	-0.26	-0.09	-0.25	1.42	-0.88
Richerson, Jay	-1.94	-0.98	-0.95	-0.55	-2.10	0.95	1.36	0.74
MAXIMUM	-1.94	2.07	2.91	3.98	-2.10	2.49	-1.55	-2.32
MINIMUM	0.07	-0.09	-0.08	-0.01	-0.01	0.02	-0.17	0.20
RANGE(MAX-MIN)	-2.006	2.161	2.990	3.990	-2.092	2.478	-1.375	-2.515
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 (2010 October 12-14)

Part ID= A5 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THIOT	ATTOT
Hills, Barry	27.25	85.75	2.13	67.59	38.89	9.00	0.36	0.12
Viera, Ralph B.	32.50	85.00	2.34	55.00	34.75	9.65	0.08	0.00
Guarda, Waldyr	43.75	91.00	2.82	61.75	34.00	25.00	0.26	0.71
Cumberworth, Lee	25.00	87.25	2.93	31.51	27.25	25.00	0.26	0.00
Kobrinetz, Joaquin J.	25.00	89.50	2.71	52.53	33.25	24.20	0.30	0.07
Seiz, Ray	35.50	91.75	2.94	73.86	37.75	9.12	0.37	0.20
Caproni, David	36.25	88.00	2.59	28.75	27.25	8.30	0.20	0.10
Greenland, Paul	25.00	88.75	3.05	58.75	29.50	8.50	0.32	0.10
Rodriguez, Jesus (Jesse)	25.00	74.50	2.91	59.89	47.50	12.18	0.11	0.10
Pitta, Jimmy	31.00	43.00	3.18	69.25	40.00	8.90	0.21	0.00
Anderson, Dan	25.00	88.75	3.50	36.25	28.75	7.60	0.05	0.00
May, Marianne	25.00	73.00	2.47	58.52	29.50	9.00	0.32	0.08
Plaizier, Gert	25.00	88.75	4.05	55.00	31.00	7.70	0.10	0.00
Lonsway, Chris	31.00	89.50	2.96	60.76	28.00	8.90	0.58	0.10
Ramirez, Manny	55.00	85.00	2.44	59.56	36.25	7.00	1.50	0.50
Cales, Jonathon	25.00	88.75	3.03	34.00	27.25	8.70	0.10	0.41
Barrera, Tony	25.00	87.25	2.11	57.78	29.14	8.97	0.24	0.02
Shoda, Ronald	25.00	40.00	3.67	37.00	28.41	9.00	0.29	0.10
Avis, Steven	43.00	91.00	2.87	57.25	31.75	8.80	0.20	0.00
Trevino, Bobby	25.00	38.50	2.13	57.02	29.50	9.00	0.31	0.08
Hurst, Kevin R.	44.50	85.00	2.87	49.00	29.50	9.00	0.17	0.10
MAXIMUM	55.00	91.75	4.05	73.86	47.50	25.00	1.50	0.71
MINIMUM	25.00	38.50	2.11	28.75	27.25	7.00	0.05	0.00
RANGE(MAX-MIN)	30.000	53.250	1.940	45.110	20.250	18.000	1.450	0.710
MEAN	31.179	80.000	2.843	53.382	32.342	11.120	0.301	0.133
STANDARD DEVIATION	8.730	17.197	0.500	12.705	5.267	5.778	0.301	0.185

Part ID= A5 - SEQUENCE III

A5 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT	UCTOT	THIOT	ATTOT
Hills, Barry	-0.45	0.33	-1.43	1.12	1.24	-0.37	0.19	-0.07
Viera, Ralph B.	0.15	0.29	-1.01	0.13	0.46	-0.25	-0.74	-0.72
Guarda, Waldyr	1.44	0.64	-0.05	0.66	0.31	2.40	-0.14	3.12
Cumberworth, Lee	-0.71	0.42	0.17	-1.72	-0.97	2.40	-0.14	-0.72
Kobrinetz, Joaquin J.	-0.71	0.55	-0.27	-0.07	0.17	2.26	0.00	-0.34
Seiz, Ray	0.50	0.68	0.19	1.61	1.03	-0.35	0.23	0.36
Caproni, David	0.58	0.47	-0.51	-1.94	-0.97	-0.49	-0.34	-0.18
Greenland, Paul	-0.71	0.51	0.41	0.42	-0.54	-0.45	0.06	-0.18
Rodriguez, Jesus (Jesse)	-0.71	-0.32	0.13	0.51	2.88	0.18	-0.64	-0.18
Pitta, Jimmy	-0.02	-2.15	0.67	1.25	1.45	-0.38	-0.30	-0.72
Anderson, Dan	-0.71	0.51	1.32	-1.35	-0.68	-0.61	-0.84	-0.72
May, Marianne	-0.71	-0.41	-0.75	0.40	-0.54	-0.37	0.06	-0.29
Plaizier, Gert	-0.71	0.51	2.42	0.13	-0.25	-0.59	-0.67	-0.72
Lonsway, Chris	-0.02	0.55	0.23	0.58	-0.82	-0.38	0.93	-0.18
Ramirez, Manny	2.73	0.29	-0.81	0.49	0.74	-0.71	3.99	1.99
Cales, Jonathon	-0.71	0.51	0.37	-1.53	-0.97	-0.42	-0.67	1.50
Barrera, Tony	-0.71	0.42	-1.47	0.35	-0.61	-0.37	-0.20	-0.61
Shoda, Ronald	-0.71	-2.33	1.66	-1.29	-0.75	-0.37	-0.04	-0.18
Avis, Steven	1.35	0.64	0.05	0.30	-0.11	-0.40	-0.34	-0.72
Trevino, Bobby	-0.71	-2.41	-1.43	0.29	-0.54	-0.37	0.03	-0.29
Hurst, Kevin R.	1.53	0.29	0.05	-0.34	-0.54	-0.37	-0.44	-0.18
MAXIMUM	2.73	-2.41	2.42	-1.94	2.88	2.40	3.99	3.12
MINIMUM	-0.02	0.29	-0.05	-0.07	-0.11	0.18	0.00	-0.07
RANGE(MAX-MIN)	2.749	-2.704	2.462	-1.872	2.990	2.219	3.993	3.190
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 (2010 October 12-14)

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
Viera, Ralph B.	31.25	10.09	1.28	4.80	6.16	44.61	5.88	2.26	0.65	22.00	1.00	31.00	6.00
Seiz, Ray	30.66	10.20	1.10	6.30	6.64	43.99	10.98	0.92	0.71	12.00	1.00	31.00	4.00
Hills, Barry	27.50	9.20	0.36	8.25	7.60	41.12	8.96	3.10	0.17	20.00	4.00	26.00	0.00
Caproni, David	28.25	8.74	1.36	7.00	7.70	38.38	4.82	2.50	1.85	20.00	3.00	20.00	0.00
Guarda, Waldyr	43.63	9.50	0.51	4.50	3.50	41.62	6.13	2.83	0.62	41.00	6.00	25.00	2.00
Pitta, Jimmy	34.25	10.46	1.05	1.35	4.51	39.11	5.81	2.47	0.30	28.00	5.00	34.00	0.00
Plaizier, Gert	31.45	10.46	2.50	7.36	7.20	46.24	4.49	1.82	0.20	12.00	0.00	30.00	0.00
Rodriguez, Jesus (Jesse)	28.25	8.47	1.08	6.76	6.90	35.22	4.34	3.31	1.23	8.00	1.00	23.00	4.00
Anderson, Dan	30.50	8.80	1.40	2.25	0.00	35.80	7.30	1.35	0.60	30.00	10.00	30.00	0.00
Greenland, Paul	31.00	9.20	1.04	6.30	7.13	38.26	5.08	1.80	0.46	15.00	0.00	22.00	0.00
Ramirez, Manny	29.75	11.01	0.50	0.15	0.00	39.00	7.93	1.30	0.00	29.00	8.00	20.00	2.00
Lonsway, Chris	26.25	10.41	0.51	4.95	5.71	33.75	5.09	1.13	0.20	8.00	1.00	26.00	0.00
Avis, Steven	27.75	9.66	0.57	4.50	7.50	39.75	5.03	1.85	0.20	12.00	1.00	31.00	0.00
Cales, Jonathon	28.50	9.51	1.56	7.50	7.50	42.25	4.74	1.99	0.77	14.00	1.00	23.00	5.00
Kuipers, Jacques	33.99	9.20	2.50	7.36	7.20	50.35	4.44	1.70	0.20	14.00	0.00	35.00	0.00
Barrera, Tony	26.00	8.69	0.89	2.10	4.05	45.61	4.64	2.26	0.45	12.00	2.00	30.00	0.00
Richerson, Jay	30.69	9.15	1.31	6.00	6.46	15.76	5.87	3.30	0.80	28.00	1.00	5.00	0.00
MAXIMUM	43.63	11.01	2.50	8.25	7.70	50.35	10.98	3.31	1.85	41.00	10.00	35.00	6.00
MINIMUM	26.00	8.47	0.36	0.15	0.00	15.76	4.34	0.92	0.00	8.00	0.00	5.00	0.00
RANGE(MAX-MIN)	17.630	2.540	2.140	8.100	7.700	34.590	6.640	2.390	1.850	33.000	10.000	30.000	6.000
MEAN	30.569	9.574	1.148	5.143	5.633	39.460	5.972	2.111	0.554	19.118	2.647	26.000	1.353
STANDARD DEVIATION	4.107	0.746	0.626	2.404	2.470	7.472	1.836	0.738	0.456	9.293	2.978	7.141	2.090

Part ID= A6 - ARTICULATED 2-PIECE

A6 Y1 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.	0.17	0.69	0.21	-0.14	0.21	0.69	-0.05	0.20	0.21	0.31	-0.55	0.70	2.22
Seiz, Ray	0.02	0.84	-0.08	0.48	0.41	0.61	2.73	-1.61	0.34	-0.77	-0.55	0.70	1.27
Hills, Barry	-0.75	-0.50	-1.26	1.29	0.80	0.22	1.63	1.34	-0.84	0.09	0.45	0.00	-0.65
Caproni, David	-0.56	-1.12	0.34	0.77	0.84	-0.14	-0.63	0.53	2.84	0.09	0.12	-0.84	-0.65
Guarda, Waldyr	3.18	-0.10	-1.02	-0.27	-0.86	0.29	0.09	0.97	0.15	2.35	1.13	-0.14	0.31
Pitta, Jimmy	0.90	1.19	-0.16	-1.58	-0.45	-0.05	-0.09	0.49	-0.56	0.96	0.79	1.12	-0.65
Plaizier, Gert	0.21	1.19	2.16	0.92	0.63	0.91	-0.81	-0.39	-0.78	-0.77	-0.89	0.56	-0.65
Rodriguez, Jesus (Jesse)	-0.56	-1.48	-0.11	0.67	0.51	-0.57	-0.89	1.62	1.48	-1.20	-0.55	-0.42	1.27
Anderson, Dan	-0.02	-1.04	0.40	-1.20	-2.28	-0.49	0.72	-1.03	0.10	1.17	2.47	0.56	-0.65
Greenland, Paul	0.11	-0.50	-0.17	0.48	0.61	-0.16	-0.49	-0.42	-0.21	-0.44	-0.89	-0.56	-0.65
Ramirez, Manny	-0.20	1.93	-1.04	-2.08	-2.28	-0.06	1.07	-1.10	-1.21	1.06	1.80	-0.84	0.31
Lonsway, Chris	-1.05	1.12	-1.02	-0.08	0.03	-0.76	-0.48	-1.33	-0.78	-1.20	-0.55	0.00	-0.65
Avis, Steven	-0.69	0.12	-0.92	-0.27	0.76	0.04	-0.51	-0.35	-0.78	-0.77	-0.55	0.70	-0.65
Cales, Jonathon	-0.50	-0.09	0.66	0.98	0.76	0.37	-0.67	-0.16	0.48	-0.55	-0.55	-0.42	1.75
Kuipers, Jacques	0.83	-0.50	2.16	0.92	0.63	1.46	-0.83	-0.56	-0.78	-0.55	-0.89	1.26	-0.65
Barrera, Tony	-1.11	-1.18	-0.41	-1.27	-0.64	0.82	-0.73	0.20	-0.23	-0.77	-0.22	0.56	-0.65
Richerson, Jay	0.03	-0.57	0.26	0.36	0.33	-3.17	-0.06	1.61	0.54	0.96	-0.55	-2.94	-0.65
MAXIMUM	3.18	1.93	2.16	-2.08	-2.28	-3.17	2.73	1.62	2.84	2.35	2.47	-2.94	2.22
MINIMUM	-0.02	-0.09	-0.08	-0.08	0.03	0.04	-0.05	-0.16	0.10	0.09	0.12	0.00	0.31
RANGE(MAX-MIN)	3.197	2.011	2.238	-1.997	-2.312	-3.211	2.777	1.788	2.743	2.260	2.351	-2.941	1.914
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 (2010 October 12-14)

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
Booth, Jeffrey	89.12	3.18	3.12	1.05	18.73	2.65	1.81	94.00
Foecking, Brian	80.11	1.33	0.53	0.12	6.97	1.15	0.60	81.00
Kobrinetz, Joaquin J.	78.68	0.84	0.40	0.20	5.18	0.80	0.52	79.00
Barrera, Tony	85.75	2.17	0.34	0.22	6.24	0.94	0.24	87.00
Clapperty, Leon	68.56	1.04	0.45	0.38	5.87	0.34	0.25	81.00
Trevino, Bobby	77.43	1.37	0.39	0.23	4.58	0.55	0.32	76.00
Castillo, George	69.91	1.51	0.50	0.29	5.38	1.31	0.66	85.00
Langford, Mike	79.20	1.95	1.05	0.32	7.46	0.95	0.42	80.00
Avis, Steven	89.13	1.33	0.14	0.10	6.25	0.46	0.08	89.00
Cumberworth, Lee	54.00	1.90	0.56	0.47	6.73	1.02	1.26	75.00
Hurst, Kevin R.	80.46	1.49	0.58	0.22	8.28	0.65	0.34	80.00
Schakel, J.J.	80.43	1.55	0.34	0.05	9.54	1.10	0.22	73.00
Lowsky, John	62.09	0.68	0.26	0.10	5.09	0.60	0.25	69.00
Anderson, Dan	76.17	1.75	0.63	0.30	5.05	1.20	0.30	76.00
Guarda, Waldyr	79.37	1.51	0.12	0.15	11.62	1.50	1.06	82.00
Rodriguez, Jesus (Jesse)	79.34	1.75	0.36	0.07	5.66	0.90	0.20	73.00
Seiz, Ray	75.69	0.99	0.18	0.03	7.29	0.67	0.28	73.00
MAXIMUM	89.13	3.18	3.12	1.05	18.73	2.65	1.81	94.00
MINIMUM	54.00	0.68	0.12	0.03	4.58	0.34	0.08	69.00
RANGE(MAX-MIN)	35.130	2.500	3.000	1.020	14.150	2.310	1.730	25.000
MEAN	76.791	1.549	0.585	0.253	7.407	0.988	0.518	79.588
STANDARD DEVIATION	9.005	0.580	0.689	0.239	3.428	0.531	0.456	6.520

Part ID= B1 - SQUARE CUT

B1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF
Booth, Jeffrey	1.37	2.81	3.68	3.34	3.30	3.13	2.83	2.21
Foecking, Brian	0.37	-0.38	-0.08	-0.56	-0.13	0.31	0.18	0.22
Kobrinetz, Joaquin J.	0.21	-1.22	-0.27	-0.22	-0.65	-0.35	0.00	-0.09
Barrera, Tony	0.99	1.07	-0.36	-0.14	-0.34	-0.09	-0.61	1.14
Clapperty, Leon	-0.91	-0.88	-0.20	0.53	-0.45	-1.22	-0.59	0.22
Trevino, Bobby	0.07	-0.31	-0.28	-0.10	-0.82	-0.82	-0.43	-0.55
Castillo, George	-0.76	-0.07	-0.12	0.16	-0.59	0.61	0.31	0.83
Langford, Mike	0.27	0.69	0.67	0.28	0.02	-0.07	-0.22	0.06
Avis, Steven	1.37	-0.38	-0.65	-0.64	-0.34	-0.99	-0.96	1.44
Cumberworth, Lee	-2.53	0.60	-0.04	0.91	-0.20	0.06	1.63	-0.70
Hurst, Kevin R.	0.41	-0.10	-0.01	-0.14	0.25	-0.64	-0.39	0.06
Schakel, J.J.	0.40	0.00	-0.36	-0.85	0.62	0.21	-0.65	-1.01
Lowsky, John	-1.63	-1.50	-0.47	-0.64	-0.68	-0.73	-0.59	-1.62
Anderson, Dan	-0.07	0.35	0.06	0.20	-0.69	0.40	-0.48	-0.55
Guarda, Waldyr	0.29	-0.07	-0.68	-0.43	1.23	0.96	1.19	0.37
Rodriguez, Jesus (Jesse)	0.28	0.35	-0.33	-0.77	-0.51	-0.17	-0.70	-1.01
Seiz, Ray	-0.12	-0.97	-0.59	-0.93	-0.03	-0.60	-0.52	-1.01
MAXIMUM	-2.53	2.81	3.68	3.34	3.30	3.13	2.83	2.21
MINIMUM	-0.07	0.00	-0.01	-0.10	0.02	0.06	0.00	0.06
RANGE(MAX-MIN)	-2.462	2.812	3.685	3.435	3.288	3.068	2.829	2.147
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 (2010 October 12-14)

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	TLEC
Kobrinetz, Joaquin J.	27.75	25.00	0.89	0.23	7.17	24.31	1.78	1.75	13.00	16.00	0.00	6.00
Barrera, Tony	28.25	25.00	1.21	0.40	6.46	26.05	1.73	1.69	10.00	20.00	0.00	0.00
Booth, Jeffrey	53.00	25.00	1.63	0.44	12.06	62.99	2.76	3.00	53.00	25.00	2.00	1.00
Castillo, George	27.75	25.00	1.19	0.36	8.66	21.71	1.75	1.29	8.00	11.00	0.00	0.00
Langford, Mike	28.75	25.00	0.96	0.26	8.58	26.51	1.51	1.38	20.00	20.00	0.00	0.00
Cumberworth, Lee	27.50	25.00	0.74	0.26	13.98	26.21	1.34	1.72	20.00	13.00	0.00	5.00
Avis, Steven	26.75	25.00	2.33	0.37	4.49	27.57	1.83	1.36	3.00	7.00	0.00	0.00
Foecking, Brian	27.41	25.00	1.52	0.47	4.43	25.05	1.60	1.48	9.00	8.00	0.00	1.00
Hurst, Kevin R.	29.50	25.00	1.64	0.48	4.35	23.34	1.83	1.28	11.00	4.00	0.00	0.00
Clapperty, Leon	27.56	25.00	0.63	0.17	11.59	27.20	0.73	0.55	13.00	10.00	0.00	0.00
Trevino, Bobby	27.75	25.00	1.64	0.51	4.46	24.26	1.79	1.55	10.00	20.00	0.00	0.00
Lonsway, Chris	26.00	25.00	1.85	0.52	7.61	25.85	1.77	1.45	12.00	8.00	0.00	0.00
Schakel, J.J.	29.50	25.00	1.57	0.12	2.31	24.14	1.90	2.55	8.00	3.00	0.00	0.00
Anderson, Dan	27.25	25.00	0.69	0.13	3.00	25.68	3.43	2.50	28.00	25.00	0.00	0.00
Lowsky, John	28.75	25.00	0.65	0.57	2.99	26.63	1.57	1.93	26.00	30.00	0.00	0.00
Guarda, Waldyr	31.00	25.00	2.33	0.50	9.09	30.63	2.83	2.52	26.00	32.00	0.00	0.00
MAXIMUM	53.00	25.00	2.33	0.57	13.98	62.99	3.43	3.00	53.00	32.00	2.00	6.00
MINIMUM	26.00	25.00	0.63	0.12	2.31	21.71	0.73	0.55	3.00	3.00	0.00	0.00
RANGE(MAX-MIN)	27.000	0.000	1.700	0.450	11.670	41.280	2.700	2.450	50.000	29.000	2.000	6.000
MEAN	29.654	25.000	1.342	0.362	6.952	28.008	1.884	1.750	16.875	15.750	0.125	0.813
STANDARD DEVIATION	6.340	0.000	0.561	0.148	3.523	9.542	0.637	0.620	12.137	9.140	0.500	1.870

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	TLEC
Kobrinetz, Joaquin J.	-0.30	0.00	-0.81	-0.89	0.06	-0.39	-0.16	0.00	-0.32	0.03	-0.25	2.77
Barrera, Tony	-0.22	0.00	-0.24	0.26	-0.14	-0.21	-0.24	-0.10	-0.57	0.47	-0.25	-0.43
Booth, Jeffrey	3.68	0.00	0.51	0.53	1.45	3.67	1.38	2.02	2.98	1.01	3.75	0.10
Castillo, George	-0.30	0.00	-0.27	-0.01	0.48	-0.66	-0.21	-0.74	-0.73	-0.52	-0.25	-0.43
Langford, Mike	-0.14	0.00	-0.68	-0.69	0.46	-0.16	-0.59	-0.60	0.26	0.47	-0.25	-0.43
Cumberworth, Lee	-0.34	0.00	-1.07	-0.69	2.00	-0.19	-0.86	-0.05	0.26	-0.30	-0.25	2.24
Avis, Steven	-0.46	0.00	1.76	0.05	-0.70	-0.05	-0.09	-0.63	-1.14	-0.96	-0.25	-0.43
Foecking, Brian	-0.35	0.00	0.32	0.73	-0.72	-0.31	-0.45	-0.44	-0.65	-0.85	-0.25	0.10
Hurst, Kevin R.	-0.02	0.00	0.53	0.80	-0.74	-0.49	-0.09	-0.76	-0.48	-1.29	-0.25	-0.43
Clapperty, Leon	-0.33	0.00	-1.27	-1.29	1.32	-0.08	-1.81	-1.94	-0.32	-0.63	-0.25	-0.43
Trevino, Bobby	-0.30	0.00	0.53	1.00	-0.71	-0.39	-0.15	-0.32	-0.57	0.47	-0.25	-0.43
Lonsway, Chris	-0.58	0.00	0.91	1.07	0.19	-0.23	-0.18	-0.48	-0.40	-0.85	-0.25	-0.43
Schakel, J.J.	-0.02	0.00	0.41	-1.63	-1.32	-0.41	0.02	1.29	-0.73	-1.40	-0.25	-0.43
Anderson, Dan	-0.38	0.00	-1.16	-1.56	-1.12	-0.24	2.43	1.21	0.92	1.01	-0.25	-0.43
Lowsky, John	-0.14	0.00	-1.23	1.40	-1.12	-0.14	-0.49	0.29	0.75	1.56	-0.25	-0.43
Guarda, Waldyr	0.21	0.00	1.76	0.93	0.61	0.27	1.49	1.24	0.75	1.78	-0.25	-0.43
MAXIMUM	3.68	0.00	1.76	-1.63	2.00	3.67	2.43	2.02	2.98	1.78	3.75	2.77
MINIMUM	-0.02	0.00	-0.24	-0.01	0.06	-0.05	0.02	0.00	0.26	0.03	-0.25	0.10
RANGE(MAX-MIN)	3.706	0.000	1.997	-1.619	1.933	3.712	2.403	2.017	2.719	1.751	4.000	2.674
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	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	53.01	12.81	1.70	3.30	9.34	30.69	2.50	2.09
Booth, Jeffrey	73.50	13.88	3.25	6.76	8.35	50.41	5.55	2.08
Castillo, George	53.86	10.61	2.72	3.00	9.34	26.44	2.68	2.13
Langford, Mike	62.58	15.57	2.29	2.40	14.65	38.88	3.97	1.43
Barrera, Tony	34.32	11.07	2.50	2.10	10.30	31.58	2.43	1.13
Avis, Steven	54.75	12.41	2.78	6.50	9.08	36.68	2.42	1.85
Schakel, J.J.	62.29	11.68	1.42	3.45	7.47	49.33	2.15	1.26
Hurst, Kevin R.	57.28	12.73	1.64	4.00	9.85	26.41	3.30	2.22
Lowsky, John	58.56	7.78	1.85	2.67	9.32	30.62	1.63	1.40
Trevino, Bobby	57.90	12.36	2.61	1.50	13.02	32.42	2.85	2.35
Anderson, Dan	46.75	12.20	1.20	1.05	8.67	35.32	1.98	1.20
Kobrinetz, Joaquin J.	47.33	11.81	2.20	7.50	11.01	35.72	2.67	1.76
Guarda, Waldyr	55.50	15.62	2.60	5.80	11.28	37.95	2.16	1.12
MAXIMUM	73.50	15.62	3.25	7.50	14.65	50.41	5.55	2.35
MINIMUM	34.32	7.78	1.20	1.05	7.47	26.41	1.63	1.12
RANGE(MAX-MIN)	39.180	7.840	2.050	6.450	7.180	24.000	3.920	1.230
MEAN	55.202	12.348	2.212	3.848	10.129	35.573	2.792	1.694
STANDARD DEVIATION	9.304	2.043	0.607	2.116	1.966	7.466	1.019	0.453

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	-0.24	0.23	-0.84	-0.26	-0.40	-0.65	-0.29	0.87
Booth, Jeffrey	1.97	0.75	1.71	1.38	-0.91	1.99	2.71	0.85
Castillo, George	-0.14	-0.85	0.84	-0.40	-0.40	-1.22	-0.11	0.96
Langford, Mike	0.79	1.58	0.13	-0.68	2.30	0.44	1.16	-0.58
Barrera, Tony	-2.24	-0.63	0.47	-0.83	0.09	-0.53	-0.35	-1.24
Avis, Steven	-0.05	0.03	0.93	1.25	-0.53	0.15	-0.36	0.34
Schakel, J.J.	0.76	-0.33	-1.30	-0.19	-1.35	1.84	-0.63	-0.96
Hurst, Kevin R.	0.22	0.19	-0.94	0.07	-0.14	-1.23	0.50	1.16
Lowsky, John	0.36	-2.24	-0.60	-0.56	-0.41	-0.66	-1.14	-0.65
Trevino, Bobby	0.29	0.01	0.65	-1.11	1.47	-0.42	0.06	1.45
Anderson, Dan	-0.91	-0.07	-1.67	-1.32	-0.74	-0.03	-0.80	-1.09
Kobrinetz, Joaquin J.	-0.85	-0.26	-0.02	1.73	0.45	0.02	-0.12	0.15
Guarda, Waldyr	0.03	1.60	0.64	0.92	0.59	0.32	-0.62	-1.27
MAXIMUM	-2.24	-2.24	1.71	1.73	2.30	1.99	2.71	1.45
MINIMUM	0.03	0.01	-0.02	0.07	0.09	0.02	0.06	0.15
RANGE(MAX-MIN)	-2.277	-2.242	1.729	1.654	2.213	1.968	2.650	1.301
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 (2010 October 12-14)

Part ID= B4 - 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.	55.29	10.01	0.22	0.28	18.72	0.50	0.75	56.00
Cumberworth, Lee	35.25	10.46	0.30	0.25	28.78	0.62	0.76	51.00
Foecking, Brian	54.50	10.10	0.04	0.02	34.65	0.24	0.64	43.00
Barrera, Tony	50.50	10.20	0.30	0.05	33.11	0.39	0.31	45.00
Clapperty, Leon	51.81	13.23	0.33	0.30	17.77	0.24	0.35	59.00
Langford, Mike	61.99	11.83	0.30	0.10	18.75	0.40	0.47	63.00
Castillo, George	48.02	10.46	0.23	0.22	19.43	0.61	0.68	55.00
Schakel, J.J.	61.25	9.67	0.20	0.74	47.48	0.40	0.68	53.00
Avis, Steven	60.75	10.60	0.10	0.00	41.51	0.41	0.81	66.00
Lonsway, Chris	62.00	12.00	0.30	0.10	37.18	0.39	0.98	48.00
Trevino, Bobby	61.12	8.96	0.44	0.38	28.85	0.69	0.91	60.00
Booth, Jeffrey	70.75	11.13	0.75	0.23	37.65	1.33	1.89	71.00
Hurst, Kevin R.	60.75	10.59	0.40	0.80	37.38	0.76	1.02	62.00
Lowsky, John	53.02	9.33	0.30	0.48	18.30	0.65	0.78	58.00
Seiz, Ray	61.00	7.98	0.30	0.09	39.20	0.41	0.52	56.00
Anderson, Dan	48.50	7.93	0.80	0.24	36.62	1.02	1.86	50.00
Guarda, Waldyr	61.08	10.18	0.20	0.29	21.63	0.61	0.80	63.00
MAXIMUM	70.75	13.23	0.80	0.80	47.48	1.33	1.89	71.00
MINIMUM	35.25	7.93	0.04	0.00	17.77	0.24	0.31	43.00
RANGE(MAX-MIN)	35.500	5.300	0.760	0.800	29.710	1.090	1.580	28.000
MEAN	56.328	10.274	0.324	0.269	30.412	0.569	0.836	56.412
STANDARD DEVIATION	8.090	1.346	0.196	0.229	9.632	0.278	0.438	7.542

Part ID= B4 - SQUARE CUT

B4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	L2TOT	L3TOT	L4TOT	TGF
Kobrinetz, Joaquin J.	-0.13	-0.20	-0.53	0.05	-1.21	-0.25	-0.20	-0.05
Cumberworth, Lee	-2.61	0.14	-0.12	-0.08	-0.17	0.18	-0.17	-0.72
Foecking, Brian	-0.23	-0.13	-1.45	-1.09	0.44	-1.18	-0.45	-1.78
Barrera, Tony	-0.72	-0.06	-0.12	-0.96	0.28	-0.64	-1.20	-1.51
Clapperty, Leon	-0.56	2.20	0.03	0.14	-1.31	-1.18	-1.11	0.34
Langford, Mike	0.70	1.16	-0.12	-0.74	-1.21	-0.61	-0.84	0.87
Castillo, George	-1.03	0.14	-0.48	-0.21	-1.14	0.15	-0.36	-0.19
Schakel, J.J.	0.61	-0.45	-0.63	2.06	1.77	-0.61	-0.36	-0.45
Avis, Steven	0.55	0.24	-1.15	-1.17	1.15	-0.57	-0.06	1.27
Lonsway, Chris	0.70	1.28	-0.12	-0.74	0.70	-0.64	0.33	-1.12
Trevino, Bobby	0.59	-0.98	0.59	0.49	-0.16	0.44	0.17	0.48
Booth, Jeffrey	1.78	0.64	2.18	-0.17	0.75	2.74	2.41	1.93
Hurst, Kevin R.	0.55	0.23	0.39	2.32	0.72	0.69	0.42	0.74
Lowsky, John	-0.41	-0.70	-0.12	0.92	-1.26	0.29	-0.13	0.21
Seiz, Ray	0.58	-1.70	-0.12	-0.78	0.91	-0.57	-0.72	-0.05
Anderson, Dan	-0.97	-1.74	2.43	-0.13	0.64	1.62	2.34	-0.85
Guarda, Waldyr	0.59	-0.07	-0.63	0.09	-0.91	0.15	-0.08	0.87
MAXIMUM	-2.61	2.20	2.43	2.32	1.77	2.74	2.41	1.93
MINIMUM	-0.13	-0.06	0.03	0.05	-0.16	0.15	-0.06	-0.05
RANGE(MAX-MIN)	-2.477	2.251	2.403	2.271	1.934	2.587	2.465	1.989
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 (2010 October 12-14)

Part ID= B5 - SEQUENCE III

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	I2TOT	I3TOT	UCTOT	THIOT	ATTOT
Trevino, Bobby	14.03	49.00	1.89	68.63	24.46	12.90	0.90	0.10
Hurst, Kevin R.	15.81	66.25	2.44	69.01	27.46	8.85	0.50	0.20
Cumberworth, Lee	15.84	25.75	2.32	24.27	24.17	25.00	0.78	0.10
Foeking, Brian	18.54	55.75	2.58	81.54	25.13	14.51	1.13	0.10
Langford, Mike	13.60	45.25	2.04	70.64	25.38	21.40	1.19	0.00
Castillo, George	15.22	33.25	1.79	30.59	23.48	13.61	1.21	0.05
Barrera, Tony	13.75	45.25	1.97	72.40	27.38	19.18	1.11	0.00
Schakel, J.J.	36.87	58.75	2.33	81.35	27.01	10.78	1.03	0.04
Avis, Steven	19.78	49.75	2.49	83.27	29.64	10.45	1.10	0.00
Booth, Jeffrey	50.35	100.00	3.17	89.81	71.36	7.65	1.70	0.00
Lowsky, John	24.87	60.25	2.06	59.90	26.91	23.15	0.15	1.40
Seiz, Ray	25.81	70.00	2.08	73.62	27.88	10.87	0.79	0.20
Anderson, Dan	13.20	58.75	2.85	77.95	20.75	8.04	1.40	0.00
Kobrinetz, Joaquin J.	14.09	46.00	2.09	67.16	24.73	21.08	0.90	0.08
Guarda, Waldyr	19.37	70.00	2.20	72.27	27.86	22.27	1.32	0.20
MAXIMUM	50.35	100.00	3.17	89.81	71.36	25.00	1.70	1.40
MINIMUM	13.20	25.75	1.79	24.27	20.75	7.65	0.15	0.00
RANGE(MAX-MIN)	37.150	74.250	1.380	65.540	50.610	17.350	1.550	1.400
MEAN	20.742	55.600	2.287	68.161	28.907	15.316	1.014	0.165
STANDARD DEVIATION	10.392	17.558	0.374	18.175	11.950	6.069	0.374	0.350

Part ID= B5 - SEQUENCE III

B5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	I2TOT	I3TOT	UCTOT	THIOT	ATTOT
Trevino, Bobby	-0.65	-0.38	-1.06	0.03	-0.37	-0.40	-0.31	-0.18
Hurst, Kevin R.	-0.47	0.61	0.41	0.05	-0.12	-1.07	-1.38	0.10
Cumberworth, Lee	-0.47	-1.70	0.09	-2.41	-0.40	1.60	-0.63	-0.18
Foeking, Brian	-0.21	0.01	0.78	0.74	-0.32	-0.13	0.31	-0.18
Langford, Mike	-0.69	-0.59	-0.66	0.14	-0.30	1.00	0.47	-0.47
Castillo, George	-0.53	-1.27	-1.33	-2.07	-0.45	-0.28	0.52	-0.33
Barrera, Tony	-0.67	-0.59	-0.85	0.23	-0.13	0.64	0.26	-0.47
Schakel, J.J.	1.55	0.18	0.12	0.73	-0.16	-0.75	0.04	-0.36
Avis, Steven	-0.09	-0.33	0.54	0.83	0.06	-0.80	0.23	-0.47
Booth, Jeffrey	2.85	2.53	2.36	1.19	3.55	-1.26	1.84	-0.47
Lowsky, John	0.40	0.26	-0.61	-0.45	-0.17	1.29	-2.31	3.53
Seiz, Ray	0.49	0.82	-0.55	0.30	-0.09	-0.73	-0.60	0.10
Anderson, Dan	-0.73	0.18	1.51	0.54	-0.68	-1.20	1.03	-0.47
Kobrinetz, Joaquin J.	-0.64	-0.55	-0.53	-0.06	-0.35	0.95	-0.31	-0.24
Guarda, Waldyr	-0.13	0.82	-0.23	0.23	-0.09	1.15	0.82	0.10
MAXIMUM	2.85	2.53	2.36	-2.41	3.55	1.60	-2.31	3.53
MINIMUM	-0.09	0.01	0.09	0.03	0.06	-0.13	0.04	0.10
RANGE(MAX-MIN)	2.942	2.520	2.274	-2.441	3.491	1.729	-2.355	3.430
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 (2010 October 12-14)

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
Clapperty, Leon	52.25	27.53	0.84	1.65	2.26	43.05	12.62	1.31	0.74	70.00	35.00	27.00	1.00
Foecking, Brian	36.75	24.95	0.68	1.95	1.60	46.31	14.85	2.50	0.55	32.00	14.00	29.00	2.00
Trevino, Bobby	44.75	23.63	1.68	1.50	3.45	55.16	13.89	2.86	1.15	41.00	12.00	41.00	1.00
Langford, Mike	50.75	24.65	1.06	1.27	1.50	32.97	15.20	3.50	0.66	50.00	25.00	12.00	6.00
Booth, Jeffrey	68.00	33.25	2.29	6.30	4.80	70.53	35.38	4.86	1.95	68.00	35.00	61.00	20.00
Castillo, George	47.25	22.38	1.17	1.50	3.16	28.91	12.94	2.88	0.92	53.00	21.00	6.00	0.00
Barrera, Tony	35.50	23.90	1.37	1.50	1.95	56.10	12.80	3.09	0.90	36.00	23.00	42.00	3.00
Avis, Steven	45.25	24.52	0.91	3.00	3.30	65.50	14.06	2.93	0.38	52.00	16.00	54.00	0.00
Cumberworth, Lee	35.25	25.77	1.35	4.50	1.60	45.12	16.29	3.41	0.71	50.00	28.00	28.00	5.00
Lowsky, John	46.25	22.75	0.67	1.50	1.50	46.70	12.63	1.95	0.78	59.00	41.00	30.00	2.00
Schakel, J.J.	62.00	23.69	1.12	3.90	1.27	61.60	23.81	1.79	0.55	53.00	28.00	51.00	10.00
Hurst, Kevin R.	51.25	25.50	1.03	2.73	2.85	54.87	15.15	3.28	0.72	60.00	14.00	41.00	0.00
Kobrinetz, Joaquin J.	48.50	24.55	1.00	6.76	2.79	57.95	14.26	1.90	0.54	52.00	22.00	45.00	5.00
Anderson, Dan	43.75	15.90	1.35	0.15	0.00	58.05	10.42	3.18	0.90	45.00	15.00	47.00	8.00
Guarda, Waldyr	51.00	27.93	0.58	4.20	3.50	47.48	17.32	3.92	0.68	47.00	21.00	31.00	2.00
MAXIMUM	68.00	33.25	2.29	6.76	4.80	70.53	35.38	4.86	1.95	70.00	41.00	61.00	20.00
MINIMUM	35.25	15.90	0.58	0.15	0.00	28.91	10.42	1.31	0.38	32.00	12.00	6.00	0.00
RANGE(MAX-MIN)	32.750	17.350	1.710	6.610	4.800	41.620	24.960	3.550	1.570	38.000	29.000	55.000	20.000
MEAN	47.900	24.727	1.140	2.827	2.369	51.353	16.108	2.891	0.809	51.200	23.333	36.333	4.333
STANDARD DEVIATION	8.970	3.614	0.438	1.931	1.194	11.409	6.128	0.910	0.368	10.503	8.740	15.098	5.287

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
Clapperty, Leon	0.48	0.78	-0.69	-0.61	-0.09	-0.73	-0.57	-1.74	-0.19	1.79	1.33	-0.62	-0.63
Foecking, Brian	-1.24	0.06	-1.05	-0.45	-0.64	-0.44	-0.21	-0.43	-0.70	-1.83	-1.07	-0.49	-0.44
Trevino, Bobby	-0.35	-0.30	1.23	-0.69	0.91	0.33	-0.36	-0.03	0.93	-0.97	-1.30	0.31	-0.63
Langford, Mike	0.32	-0.02	-0.18	-0.81	-0.73	-1.61	-0.15	0.67	-0.40	-0.11	0.19	-1.61	0.32
Booth, Jeffrey	2.24	2.36	2.63	1.80	2.04	1.68	3.15	2.16	3.10	1.60	1.33	1.63	2.96
Castillo, George	-0.07	-0.65	0.07	-0.69	0.66	-1.97	-0.52	-0.01	0.30	0.17	-0.27	-2.01	-0.82
Barrera, Tony	-1.38	-0.23	0.53	-0.69	-0.35	0.42	-0.54	0.22	0.25	-1.45	-0.04	0.38	-0.25
Avis, Steven	-0.30	-0.06	-0.53	0.09	0.78	1.24	-0.33	0.04	-1.16	0.08	-0.84	1.17	-0.82
Cumberworth, Lee	-1.41	0.29	0.48	0.87	-0.64	-0.55	0.03	0.57	-0.27	-0.11	0.53	-0.55	0.13
Lowsky, John	-0.18	-0.55	-1.07	-0.69	-0.73	-0.41	-0.57	-1.03	-0.08	0.74	2.02	-0.42	-0.44
Schakel, J.J.	1.57	-0.29	-0.05	0.56	-0.92	0.90	1.26	-1.21	-0.70	0.17	0.53	0.97	1.07
Hurst, Kevin R.	0.37	0.21	-0.25	-0.05	0.40	0.31	-0.16	0.43	-0.24	0.84	-1.07	0.31	-0.82
Kobrinetz, Joaquin J.	0.07	-0.05	-0.32	2.04	0.35	0.58	-0.30	-1.09	-0.73	0.08	-0.15	0.57	0.13
Anderson, Dan	-0.46	-2.44	0.48	-1.39	-1.98	0.59	-0.93	0.32	0.25	-0.59	-0.95	0.71	0.69
Guarda, Waldyr	0.35	0.89	-1.28	0.71	0.95	-0.34	0.20	1.13	-0.35	-0.40	-0.27	-0.35	-0.44
MAXIMUM	2.24	-2.44	2.63	2.04	2.04	-1.97	3.15	2.16	3.10	-1.83	2.02	-2.01	2.96
MINIMUM	0.07	-0.02	-0.05	-0.05	-0.09	0.31	0.03	-0.01	-0.08	0.08	-0.04	0.31	0.13
RANGE(MAX-MIN)	2.174	-2.421	2.672	2.087	2.127	-2.275	3.115	2.177	3.176	-1.904	2.060	-2.318	2.837
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 (2010 October 12-14)

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
Lowsky, John	6.85	2.60	0.26	0.00	9.01	1.20	0.61	5.00
May, Marianne	10.94	2.67	0.26	0.02	10.10	1.18	0.39	2.00
Ramirez, Manny	11.33	4.34	0.50	0.00	13.45	0.95	0.70	5.00
Schakel, J.J.	12.92	3.21	0.22	0.00	12.58	1.58	0.63	4.00
Lopez, Frank	11.03	3.25	0.63	0.10	11.91	1.34	0.75	2.00
Sanchez, Arthur	6.96	2.16	0.30	0.10	12.32	0.69	0.22	7.00
Anderson, Dan	7.40	2.67	0.70	0.00	9.55	1.38	0.60	8.00
Kuipers, Jacques	9.65	4.37	0.70	0.00	11.90	2.30	1.20	5.00
Hills, Barry	8.22	2.43	0.13	0.10	10.68	1.13	0.44	4.00
Richerson, Jay	9.57	3.56	0.47	0.00	7.03	1.88	0.35	2.00
Holland, Stephen	8.68	2.33	0.57	0.10	8.48	0.98	0.53	2.00
Avis, Steven	10.03	2.95	0.20	0.00	10.94	0.62	0.22	6.00
Foecking, Brian	9.29	3.27	0.02	0.01	10.52	1.30	0.73	1.00
Shoda, Ronald	10.55	5.47	0.14	0.05	11.92	1.10	0.46	5.00
Pitta, Jimmy	10.27	2.43	0.20	0.00	9.56	0.80	0.60	5.00
Clapperty, Leon	8.37	2.36	0.21	0.19	7.73	0.53	0.28	2.00
Booth, Jeffrey	9.49	3.25	0.78	0.10	10.14	1.48	0.87	10.00
Plaizier, Gert	9.16	5.08	0.75	0.00	11.16	2.25	1.14	4.00
Guarda, Waldyr	10.41	4.00	0.35	0.20	11.84	1.70	0.71	8.00
MAXIMUM	12.92	5.47	0.78	0.20	13.45	2.30	1.20	10.00
MINIMUM	6.85	2.16	0.02	0.00	7.03	0.53	0.22	1.00
RANGE(MAX-MIN)	6.070	3.310	0.760	0.200	6.420	1.770	0.980	9.000
MEAN	9.533	3.284	0.389	0.051	10.569	1.284	0.602	4.579
STANDARD DEVIATION	1.562	0.964	0.239	0.066	1.712	0.500	0.272	2.457

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
Lowsky, John	-1.72	-0.71	-0.54	-0.77	-0.91	-0.17	0.03	0.17
May, Marianne	0.90	-0.64	-0.54	-0.47	-0.27	-0.21	-0.78	-1.05
Ramirez, Manny	1.15	1.10	0.47	-0.77	1.68	-0.67	0.36	0.17
Schakel, J.J.	2.17	-0.08	-0.71	-0.77	1.17	0.59	0.10	-0.24
Lopez, Frank	0.96	-0.04	1.01	0.74	0.78	0.11	0.55	-1.05
Sanchez, Arthur	-1.65	-1.17	-0.37	0.74	1.02	-1.19	-1.40	0.99
Anderson, Dan	-1.37	-0.64	1.30	-0.77	-0.60	0.19	-0.01	1.39
Kuipers, Jacques	0.08	1.13	1.30	-0.77	0.78	2.03	2.20	0.17
Hills, Barry	-0.84	-0.89	-1.08	0.74	0.06	-0.31	-0.59	-0.24
Richerson, Jay	0.02	0.29	0.34	-0.77	-2.07	1.19	-0.92	-1.05
Holland, Stephen	-0.55	-0.99	0.76	0.74	-1.22	-0.61	-0.26	-1.05
Avis, Steven	0.32	-0.35	-0.79	-0.77	0.22	-1.33	-1.40	0.58
Foecking, Brian	-0.16	-0.01	-1.55	-0.62	-0.03	0.03	0.47	-1.46
Shoda, Ronald	0.65	2.27	-1.04	-0.02	0.79	-0.37	-0.52	0.17
Pitta, Jimmy	0.47	-0.89	-0.79	-0.77	-0.59	-0.97	-0.01	0.17
Clapperty, Leon	-0.74	-0.96	-0.75	2.09	-1.66	-1.51	-1.18	-1.05
Booth, Jeffrey	-0.03	-0.04	1.64	0.74	-0.25	0.39	0.99	2.21
Plaizier, Gert	-0.24	1.86	1.51	-0.77	0.34	1.93	1.98	-0.24
Guarda, Waldyr	0.56	0.74	-0.16	2.24	0.74	0.83	0.40	1.39
MAXIMUM	2.17	2.27	1.64	2.24	-2.07	2.03	2.20	2.21
MINIMUM	0.02	-0.01	-0.16	-0.02	-0.03	0.03	-0.01	0.17
RANGE(MAX-MIN)	2.145	2.283	1.801	2.256	-2.039	1.998	2.203	2.035
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 (2010 October 12-14)

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
Lowsky, John	37.50	33.25	0.50	0.38	5.23	39.08	0.60	0.80	60.00	65.00	1.00	0.00
Ramirez, Manny	26.75	36.25	0.00	0.80	24.15	64.61	0.16	0.70	23.00	34.00	5.00	3.00
Lopez, Frank	25.00	29.50	1.04	0.32	15.13	44.35	1.24	1.80	18.00	24.00	2.00	0.00
Kuipers, Jacques	27.50	34.00	0.30	0.00	6.90	46.62	1.40	2.10	25.00	35.00	2.00	0.00
Anderson, Dan	30.00	31.75	0.90	0.10	6.89	47.50	0.28	0.64	30.00	32.00	4.00	0.00
Richerson, Jay	30.00	30.68	0.46	0.57	9.67	44.77	1.13	1.11	40.00	29.00	3.00	3.00
Sanchez, Arthur	29.25	35.50	0.23	0.24	12.02	49.27	0.34	0.79	47.00	48.00	3.00	3.00
May, Marianne	25.00	31.75	0.31	0.09	7.36	41.06	0.37	1.16	8.00	27.00	2.00	2.00
Holland, Stephen	25.00	40.75	0.24	0.33	6.78	43.79	0.70	0.99	10.00	59.00	2.00	6.00
Schakel, J.J.	25.00	31.75	0.38	0.05	7.76	42.70	0.99	1.71	20.00	30.00	3.00	0.00
Avis, Steven	23.25	34.00	0.79	0.13	6.84	56.50	0.47	0.83	5.00	40.00	1.00	0.00
Pitta, Jimmy	30.00	47.50	0.20	0.00	12.98	45.25	0.20	1.60	20.00	73.00	3.00	0.00
Shoda, Ronald	30.00	30.25	0.05	0.15	14.56	42.91	0.22	1.71	14.00	56.00	2.00	0.00
Clapperty, Leon	26.75	43.00	0.27	0.22	16.48	46.57	0.37	0.43	10.00	48.00	4.00	0.00
Seiz, Ray	25.00	30.25	0.18	0.20	14.64	42.17	0.47	0.84	3.00	17.00	2.00	0.00
Hills, Barry	25.00	28.75	0.26	0.15	12.12	59.64	0.37	0.56	18.00	34.00	2.00	0.00
Plaizier, Gert	28.00	32.50	0.25	0.00	8.41	45.12	1.38	2.11	23.00	33.00	3.00	0.00
MAXIMUM	37.50	47.50	1.04	0.80	24.15	64.61	1.40	2.11	60.00	73.00	5.00	6.00
MINIMUM	23.25	28.75	0.00	0.00	5.23	39.08	0.16	0.43	3.00	17.00	1.00	0.00
RANGE(MAX-MIN)	14.250	18.750	1.040	0.800	18.920	25.530	1.240	1.680	57.000	56.000	4.000	6.000
MEAN	27.588	34.202	0.374	0.219	11.054	47.171	0.629	1.169	22.000	40.235	2.588	1.000
STANDARD DEVIATION	3.399	5.126	0.287	0.214	4.914	6.850	0.429	0.552	15.219	15.498	1.064	1.768

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
Lowsky, John	2.92	-0.19	0.44	0.75	-1.19	-1.18	-0.07	-0.67	2.50	1.60	-1.49	-0.57
Ramirez, Manny	-0.25	0.40	-1.30	2.72	2.66	2.55	-1.09	-0.85	0.07	-0.40	2.27	1.13
Lopez, Frank	-0.76	-0.92	2.32	0.47	0.83	-0.41	1.42	1.14	-0.26	-1.05	-0.55	-0.57
Kuipers, Jacques	-0.03	-0.04	-0.26	-1.03	-0.85	-0.08	1.80	1.69	0.20	-0.34	-0.55	-0.57
Anderson, Dan	0.71	-0.48	1.83	-0.56	-0.85	0.05	-0.81	-0.96	0.53	-0.53	1.33	-0.57
Richerson, Jay	0.71	-0.69	0.30	1.64	-0.28	-0.35	1.17	-0.11	1.18	-0.72	0.39	1.13
Sanchez, Arthur	0.49	0.25	-0.50	0.10	0.20	0.31	-0.67	-0.69	1.64	0.50	0.39	1.13
May, Marianne	-0.76	-0.48	-0.22	-0.61	-0.75	-0.89	-0.60	-0.02	-0.92	-0.85	-0.55	0.57
Holland, Stephen	-0.76	1.28	-0.47	0.52	-0.87	-0.49	0.17	-0.33	-0.79	1.21	-0.55	2.83
Schakel, J.J.	-0.76	-0.48	0.02	-0.79	-0.67	-0.65	0.84	0.98	-0.13	-0.66	0.39	-0.57
Avis, Steven	-1.28	-0.04	1.45	-0.42	-0.86	1.36	-0.37	-0.61	-1.12	-0.02	-1.49	-0.57
Pitta, Jimmy	0.71	2.59	-0.61	-1.03	0.39	-0.28	-1.00	0.78	-0.13	2.11	0.39	-0.57
Shoda, Ronald	0.71	-0.77	-1.13	-0.32	0.71	-0.62	-0.95	0.98	-0.53	1.02	-0.55	-0.57
Clapperty, Leon	-0.25	1.72	-0.36	0.00	1.10	-0.09	-0.60	-1.34	-0.79	0.50	1.33	-0.57
Seiz, Ray	-0.76	-0.77	-0.68	-0.09	0.73	-0.73	-0.37	-0.60	-1.25	-1.50	-0.55	-0.57
Hills, Barry	-0.76	-1.06	-0.40	-0.32	0.22	1.82	-0.60	-1.10	-0.26	-0.40	-0.55	-0.57
Plaizier, Gert	0.12	-0.33	-0.43	-1.03	-0.54	-0.30	1.75	1.70	0.07	-0.47	0.39	-0.57
MAXIMUM	2.92	2.59	2.32	2.72	2.66	2.55	1.80	1.70	2.50	2.11	2.27	2.83
MINIMUM	-0.03	-0.04	0.02	0.00	0.20	0.05	-0.07	-0.02	0.07	-0.02	0.39	-0.57
RANGE(MAX-MIN)	2.942	2.634	2.301	2.714	2.468	2.498	1.864	1.721	2.431	2.129	1.879	3.394
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 (2010 October 12-14)

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
Anderson, Dan	40.25	9.10	1.50	2.70	11.43	24.82	5.45	3.00
Schakel, J.J.	51.29	10.34	2.40	2.86	20.26	28.42	7.52	1.62
Ramirez, Manny	38.00	9.46	1.14	1.65	31.71	23.10	10.39	1.20
May, Marianne	35.82	12.18	4.70	2.70	20.95	30.79	7.60	2.30
Lopez, Frank	29.39	8.54	1.97	2.71	27.43	26.56	7.61	1.48
Lowsky, John	43.03	8.55	2.03	3.95	27.09	18.94	6.56	1.93
Kuipers, Jacques	53.75	8.16	2.65	3.00	25.25	33.40	7.95	2.70
Holland, Stephen	39.25	7.49	1.45	2.70	22.35	25.07	6.76	2.18
Avis, Steven	38.75	9.17	2.02	4.45	23.51	26.36	7.06	1.45
Richerson, Jay	40.90	9.94	2.82	3.00	11.37	27.42	7.73	2.03
Sanchez, Arthur	48.00	9.76	1.32	1.65	18.72	30.49	7.01	1.22
Shoda, Ronald	48.06	14.22	2.88	3.75	24.96	23.92	9.67	3.70
Pitta, Jimmy	53.50	10.13	1.98	1.65	18.84	25.92	6.87	2.45
Hills, Barry	30.27	8.10	2.50	5.40	22.29	28.30	8.29	1.59
MAXIMUM	53.75	14.22	4.70	5.40	31.71	33.40	10.39	3.70
MINIMUM	29.39	7.49	1.14	1.65	11.37	18.94	5.45	1.20
RANGE(MAX-MIN)	24.360	6.730	3.560	3.750	20.340	14.460	4.940	2.500
MEAN	42.161	9.653	2.240	3.012	21.869	26.679	7.605	2.061
STANDARD DEVIATION	7.860	1.763	0.900	1.080	5.690	3.615	1.249	0.723

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
Anderson, Dan	-0.24	-0.31	-0.82	-0.29	-1.83	-0.51	-1.73	1.30
Schakel, J.J.	1.16	0.39	0.18	-0.14	-0.28	0.48	-0.07	-0.61
Ramirez, Manny	-0.53	-0.11	-1.22	-1.26	1.73	-0.99	2.23	-1.19
May, Marianne	-0.81	1.43	2.73	-0.29	-0.16	1.14	0.00	0.33
Lopez, Frank	-1.62	-0.63	-0.30	-0.28	0.98	-0.03	0.00	-0.80
Lowsky, John	0.11	-0.63	-0.23	0.87	0.92	-2.14	-0.84	-0.18
Kuipers, Jacques	1.47	-0.85	0.46	-0.01	0.59	1.86	0.28	0.88
Holland, Stephen	-0.37	-1.23	-0.88	-0.29	0.08	-0.45	-0.68	0.17
Avis, Steven	-0.43	-0.27	-0.24	1.33	0.29	-0.09	-0.44	-0.84
Richerson, Jay	-0.16	0.16	0.64	-0.01	-1.85	0.20	0.10	-0.04
Sanchez, Arthur	0.74	0.06	-1.02	-1.26	-0.55	1.05	-0.48	-1.16
Shoda, Ronald	0.75	2.59	0.71	0.68	0.54	-0.76	1.65	2.27
Pitta, Jimmy	1.44	0.27	-0.29	-1.26	-0.53	-0.21	-0.59	0.54
Hills, Barry	-1.51	-0.88	0.29	2.21	0.07	0.45	0.55	-0.65
MAXIMUM	-1.62	2.59	2.73	2.21	-1.85	-2.14	2.23	2.27
MINIMUM	0.11	0.06	0.18	-0.01	0.07	-0.03	0.00	-0.04
RANGE(MAX-MIN)	-1.735	2.530	2.557	2.222	-1.919	-2.108	2.234	2.310
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 (2010 October 12-14)

Part ID= C4 - SQUARE CUT

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF
Schakel, J.J.	53.24	2.33	0.50	0.20	13.19	0.58	0.38	48.00
May, Marianne	53.86	1.49	0.16	0.12	13.05	0.27	0.18	48.00
Ramirez, Manny	54.42	1.50	0.50	0.20	13.50	1.00	1.00	56.00
Lopez, Frank	52.45	0.54	0.10	0.10	14.75	0.45	0.23	48.00
Richerson, Jay	37.51	1.09	0.04	0.02	11.72	0.32	0.30	50.00
Kuipers, Jacques	53.30	1.95	0.00	0.00	13.35	0.60	0.50	62.00
Anderson, Dan	28.35	2.40	0.30	0.10	13.60	0.50	0.10	30.00
Sanchez, Arthur	53.68	1.21	0.30	0.20	13.08	0.50	0.22	50.00
Hills, Barry	53.21	0.67	0.10	0.10	16.10	0.13	0.13	55.00
Lowsky, John	31.85	1.18	0.26	0.20	11.76	0.31	0.26	51.00
Holland, Stephen	54.54	1.06	0.20	0.10	12.53	0.43	0.38	52.00
Avis, Steven	57.15	0.78	0.27	0.00	13.39	0.12	0.04	53.00
Kobrinetz, Joaquin J.	51.04	1.06	0.30	0.30	12.32	0.30	0.20	47.00
Cumberworth, Lee	37.98	2.16	0.20	0.10	13.33	0.38	0.20	44.00
Foeking, Brian	54.50	0.41	0.09	0.01	12.78	0.03	0.03	53.00
Pitta, Jimmy	54.79	1.80	0.00	0.00	10.64	0.20	0.20	53.00
Seiz, Ray	49.94	1.14	0.20	0.15	11.78	0.15	0.08	44.00
Shoda, Ronald	54.66	1.99	0.30	0.20	29.26	0.23	0.27	43.00
Plaizier, Gert	52.75	2.60	0.80	0.00	12.33	0.60	0.20	44.00
MAXIMUM	57.15	2.60	0.80	0.30	29.26	1.00	1.00	62.00
MINIMUM	28.35	0.41	0.00	0.00	10.64	0.03	0.03	30.00
RANGE(MAX-MIN)	28.800	2.190	0.800	0.300	18.620	0.970	0.970	32.000
MEAN	49.433	1.440	0.243	0.111	13.814	0.374	0.258	49.000
STANDARD DEVIATION	8.575	0.658	0.196	0.090	3.922	0.229	0.215	6.650

Part ID= C4 - SQUARE CUT

C4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	G4TOT	I2TOT	I3TOT	I4TOT	TGF
Schakel, J.J.	0.44	1.35	1.31	1.00	-0.16	0.90	0.57	-0.15
May, Marianne	0.52	0.08	-0.42	0.11	-0.19	-0.45	-0.36	-0.15
Ramirez, Manny	0.58	0.09	1.31	1.00	-0.08	2.73	3.45	1.05
Lopez, Frank	0.35	-1.37	-0.73	-0.12	0.24	0.33	-0.13	-0.15
Richerson, Jay	-1.39	-0.53	-1.04	-1.01	-0.53	-0.23	0.20	0.15
Kuipers, Jacques	0.45	0.77	-1.24	-1.23	-0.12	0.99	1.12	1.95
Anderson, Dan	-2.46	1.46	0.29	-0.12	-0.05	0.55	-0.73	-2.86
Sanchez, Arthur	0.50	-0.35	0.29	1.00	-0.19	0.55	-0.18	0.15
Hills, Barry	0.44	-1.17	-0.73	-0.12	0.58	-1.06	-0.59	0.90
Lowsky, John	-2.05	-0.40	0.09	1.00	-0.52	-0.28	0.01	0.30
Holland, Stephen	0.60	-0.58	-0.22	-0.12	-0.33	0.25	0.57	0.45
Avis, Steven	0.90	-1.00	0.14	-1.23	-0.11	-1.11	-1.01	0.60
Kobrinetz, Joaquin J.	0.19	-0.58	0.29	2.11	-0.38	-0.32	-0.27	-0.30
Cumberworth, Lee	-1.34	1.09	-0.22	-0.12	-0.12	0.03	-0.27	-0.75
Foeking, Brian	0.59	-1.57	-0.78	-1.12	-0.26	-1.50	-1.06	0.60
Pitta, Jimmy	0.62	0.55	-1.24	-1.23	-0.81	-0.76	-0.27	0.60
Seiz, Ray	0.06	-0.46	-0.22	0.44	-0.52	-0.98	-0.83	-0.75
Shoda, Ronald	0.61	0.84	0.29	1.00	3.94	-0.63	0.06	-0.90
Plaizier, Gert	0.39	1.76	2.84	-1.23	-0.38	0.99	-0.27	-0.75
MAXIMUM	-2.46	1.76	2.84	2.11	3.94	2.73	3.45	-2.86
MINIMUM	0.06	0.08	0.09	0.11	-0.05	0.03	0.01	-0.15
RANGE(MAX-MIN)	-2.518	1.687	2.753	2.004	3.993	2.707	3.436	-2.707
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 (2010 October 12-14)

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
Anderson, Dan	2.55	28.75	2.15	71.50	25.00	7.30	0.14	0.10
May, Marianne	6.89	30.25	1.55	69.77	24.82	10.50	0.57	0.19
Lowsky, John	3.94	36.25	1.65	54.77	24.45	20.35	0.29	0.63
Schakel, J.J.	5.64	37.00	1.70	71.06	24.45	13.47	1.41	0.90
Lopez, Frank	8.05	37.00	1.48	62.09	24.29	11.25	0.40	0.10
Kuipers, Jacques	5.74	43.75	3.25	71.50	25.00	10.80	0.30	0.00
Sanchez, Arthur	5.03	34.00	0.93	79.77	36.28	13.68	0.47	0.20
Cumberworth, Lee	7.02	29.50	2.03	30.77	24.46	24.64	0.21	0.00
Hills, Barry	3.94	31.75	1.19	64.85	27.67	9.00	0.29	0.12
Ramirez, Manny	10.99	37.00	1.48	70.31	41.08	6.60	0.20	0.29
Holland, Stephen	3.30	37.75	1.65	70.00	24.56	9.90	0.18	0.02
Avis, Steven	4.46	34.00	1.81	76.75	24.10	8.80	0.42	0.10
Kobrinetz, Joaquin J.	6.38	40.00	1.52	66.02	24.28	20.80	0.30	0.04
Richerson, Jay	7.05	33.25	2.70	61.29	23.57	8.95	0.58	0.00
Seiz, Ray	3.78	42.25	1.65	71.79	24.83	9.20	0.42	0.10
Shoda, Ronald	5.81	27.25	1.95	56.50	24.62	9.00	0.39	0.10
Trevino, Bobby	7.10	31.00	1.71	58.53	24.27	8.70	0.45	0.11
Pitta, Jimmy	6.45	38.50	1.93	75.02	24.10	16.90	0.20	0.00
Hurst, Kevin R.	6.69	32.50	1.99	68.02	24.08	8.85	0.17	0.10
MAXIMUM	10.99	43.75	3.25	79.77	41.08	24.64	1.41	0.90
MINIMUM	2.55	27.25	0.93	30.77	23.57	6.60	0.14	0.00
RANGE(MAX-MIN)	8.440	16.500	2.320	49.000	17.510	18.040	1.270	0.900
MEAN	5.832	34.829	1.806	65.806	26.101	12.036	0.389	0.163
STANDARD DEVIATION	1.968	4.575	0.512	10.828	4.578	5.066	0.281	0.230

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
Anderson, Dan	-1.67	-1.33	0.67	0.53	-0.24	-0.93	-0.89	-0.27
May, Marianne	0.54	-1.00	-0.50	0.37	-0.28	-0.30	0.65	0.12
Lowsky, John	-0.96	0.31	-0.31	-1.02	-0.36	1.64	-0.35	2.03
Schakel, J.J.	-0.10	0.47	-0.21	0.49	-0.36	0.28	3.64	3.21
Lopez, Frank	1.13	0.47	-0.64	-0.34	-0.40	-0.16	0.04	-0.27
Kuipers, Jacques	-0.05	1.95	2.82	0.53	-0.24	-0.24	-0.32	-0.71
Sanchez, Arthur	-0.41	-0.18	-1.71	1.29	2.22	0.32	0.29	0.16
Cumberworth, Lee	0.60	-1.16	0.44	-3.24	-0.36	2.49	-0.64	-0.71
Hills, Barry	-0.96	-0.67	-1.20	-0.09	0.34	-0.60	-0.35	-0.19
Ramirez, Manny	2.62	0.47	-0.64	0.42	3.27	-1.07	-0.67	0.55
Holland, Stephen	-1.29	0.64	-0.31	0.39	-0.34	-0.42	-0.74	-0.62
Avis, Steven	-0.70	-0.18	0.01	1.01	-0.44	-0.64	0.11	-0.27
Kobrinetz, Joaquin J.	0.28	1.13	-0.56	0.02	-0.40	1.73	-0.32	-0.54
Richerson, Jay	0.62	-0.35	1.74	-0.42	-0.55	-0.61	0.68	-0.71
Seiz, Ray	-1.04	1.62	-0.31	0.55	-0.28	-0.56	0.11	-0.27
Shoda, Ronald	-0.01	-1.66	0.28	-0.86	-0.32	-0.60	0.00	-0.27
Trevino, Bobby	0.64	-0.84	-0.19	-0.67	-0.40	-0.66	0.22	-0.23
Pitta, Jimmy	0.31	0.80	0.24	0.85	-0.44	0.96	-0.67	-0.71
Hurst, Kevin R.	0.44	-0.51	0.36	0.20	-0.44	-0.63	-0.78	-0.27
MAXIMUM	2.62	1.95	2.82	-3.24	3.27	2.49	3.64	3.21
MINIMUM	-0.01	-0.18	0.01	0.02	-0.24	-0.16	0.00	0.12
RANGE(MAX-MIN)	2.633	2.131	2.811	-3.256	3.512	2.643	3.636	3.091
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 (2010 October 12-14)

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
Lowsky, John	31.25	11.38	2.13	20.20	19.80	23.72	8.28	1.96	0.70	53.00	11.00	0.00	0.00
Ramirez, Manny	27.75	22.03	1.30	6.23	5.56	24.55	11.40	2.10	0.20	28.00	21.00	1.00	0.00
May, Marianne	35.50	17.82	2.99	4.80	17.86	19.06	13.79	3.20	0.57	32.00	8.00	0.00	0.00
Richerson, Jay	39.06	15.76	3.27	6.90	4.96	16.75	8.69	2.96	0.64	51.00	11.00	1.00	2.00
Kuipers, Jacques	34.50	20.10	2.90	6.60	20.33	25.00	10.35	3.80	1.30	40.00	10.00	0.00	0.00
Schakel, J.J.	58.00	16.28	2.08	6.76	13.00	8.97	10.31	2.61	0.39	51.00	12.00	0.00	0.00
Lopez, Frank	31.00	13.95	1.83	6.91	18.58	22.12	14.92	1.98	0.35	22.00	4.00	0.00	0.00
Holland, Stephen	32.50	11.76	1.76	6.60	5.85	17.64	9.99	2.02	0.79	27.00	9.00	0.00	1.00
Anderson, Dan	39.75	10.20	2.60	2.25	0.00	15.65	7.10	3.00	1.25	40.00	10.00	0.00	0.00
Sanchez, Arthur	47.50	14.11	1.80	11.58	6.30	18.01	6.94	1.64	0.58	52.00	5.00	1.00	0.00
Kobrinetz, Joaquin J.	38.50	16.11	2.16	5.71	15.21	17.99	11.15	1.85	0.80	40.00	8.00	0.00	0.00
Seiz, Ray	32.25	12.56	2.43	6.30	11.28	25.34	12.72	1.44	0.54	12.00	3.00	1.00	0.00
Shoda, Ronald	46.50	16.67	3.35	7.30	10.05	22.87	10.24	3.15	0.71	30.00	10.00	1.00	0.00
Hills, Barry	30.00	12.58	1.79	8.60	8.60	18.14	13.28	2.15	0.35	28.00	15.00	0.00	0.00
Pitta, Jimmy	43.00	14.42	2.93	3.90	6.60	21.07	11.31	2.43	0.20	48.00	13.00	0.00	0.00
Avis, Steven	43.50	13.52	1.48	6.80	12.60	21.40	11.91	1.49	0.21	45.00	8.00	0.00	0.00
MAXIMUM	58.00	22.03	3.35	20.20	20.33	25.34	14.92	3.80	1.30	53.00	21.00	1.00	2.00
MINIMUM	27.75	10.20	1.30	2.25	0.00	8.97	6.94	1.44	0.20	12.00	3.00	0.00	0.00
RANGE(MAX-MIN)	30.250	11.830	2.050	17.950	20.330	16.370	7.980	2.360	1.100	41.000	18.000	1.000	2.000
MEAN	38.160	14.953	2.300	7.340	11.036	19.893	10.774	2.361	0.599	37.438	9.875	0.313	0.188
STANDARD DEVIATION	8.030	3.188	0.642	3.968	6.083	4.264	2.288	0.691	0.333	12.296	4.349	0.479	0.544

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
Lowsky, John	-0.86	-1.12	-0.27	3.24	1.44	0.90	-1.09	-0.58	0.30	1.27	0.26	-0.65	-0.34
Ramirez, Manny	-1.30	2.22	-1.56	-0.28	-0.90	1.09	0.27	-0.38	-1.20	-0.77	2.56	1.44	-0.34
May, Marianne	-0.33	0.90	1.08	-0.64	1.12	-0.20	1.32	1.21	-0.09	-0.44	-0.43	-0.65	-0.34
Richerson, Jay	0.11	0.25	1.51	-0.11	-1.00	-0.74	-0.91	0.87	0.12	1.10	0.26	1.44	3.33
Kuipers, Jacques	-0.46	1.61	0.94	-0.19	1.53	1.20	-0.19	2.08	2.11	0.21	0.03	-0.65	-0.34
Schakel, J.J.	2.47	0.42	-0.34	-0.15	0.32	-2.56	-0.20	0.36	-0.63	1.10	0.49	-0.65	-0.34
Lopez, Frank	-0.89	-0.31	-0.73	-0.11	1.24	0.52	1.81	-0.55	-0.75	-1.26	-1.35	-0.65	-0.34
Holland, Stephen	-0.70	-1.00	-0.84	-0.19	-0.85	-0.53	-0.34	-0.49	0.58	-0.85	-0.20	-0.65	1.49
Anderson, Dan	0.20	-1.49	0.47	-1.28	-1.81	-0.99	-1.61	0.92	1.96	0.21	0.03	-0.65	-0.34
Sanchez, Arthur	1.16	-0.26	-0.78	1.07	-0.78	-0.44	-1.68	-1.04	-0.06	1.18	-1.12	1.44	-0.34
Kobrinetz, Joaquin J.	0.04	0.36	-0.22	-0.41	0.69	-0.45	0.16	-0.74	0.61	0.21	-0.43	-0.65	-0.34
Seiz, Ray	-0.74	-0.75	0.20	-0.26	0.04	1.28	0.85	-1.33	-0.18	-2.07	-1.58	1.44	-0.34
Shoda, Ronald	1.04	0.54	1.64	-0.01	-0.16	0.70	-0.23	1.14	0.33	-0.60	0.03	1.44	-0.34
Hills, Barry	-1.02	-0.74	-0.79	0.32	-0.40	-0.41	1.10	-0.31	-0.75	-0.77	1.18	-0.65	-0.34
Pitta, Jimmy	0.60	-0.17	0.98	-0.87	-0.73	0.28	0.23	0.10	-1.20	0.86	0.72	-0.65	-0.34
Avis, Steven	0.67	-0.45	-1.28	-0.14	0.26	0.35	0.50	-1.26	-1.17	0.62	-0.43	-0.65	-0.34
MAXIMUM	2.47	2.22	1.64	3.24	-1.81	-2.56	1.81	2.08	2.11	-2.07	2.56	1.44	3.33
MINIMUM	0.04	-0.17	0.20	-0.01	0.04	-0.20	0.16	0.10	-0.06	0.21	0.03	-0.65	-0.34
RANGE(MAX-MIN)	2.428	2.387	1.434	3.251	-1.854	-2.366	1.648	1.984	2.165	-2.277	2.529	2.089	3.677
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 (2010 October 12-14)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
May, Marianne	12.00	37.00	8.00	12.00	10.00	16.00
Viera, Ralph B.	15.00	42.00	14.00	17.00	12.00	18.00
Seiz, Ray	21.00	60.00	17.00	12.00	10.00	21.00
Guarda, Waldyr	15.00	38.00	5.00	16.00	6.00	18.00
Castillo, George	18.00	54.00	15.00	13.00	10.00	23.00
Barrera, Tony	15.00	51.00	12.00	11.00	9.00	18.00
Lopez, Frank	15.00	42.00	10.00	11.00	7.00	16.00
Sanchez, Arthur	12.00	45.00	12.00	10.00	10.00	18.00
Foecking, Brian	20.00	50.00	13.00	15.00	12.00	18.00
MAXIMUM	21.00	60.00	17.00	17.00	12.00	23.00
MINIMUM	12.00	37.00	5.00	10.00	6.00	16.00
RANGE(MAX-MIN)	9.000	23.000	12.000	7.000	6.000	7.000
MEAN	15.889	46.556	11.778	13.000	9.556	18.444
STANDARD DEVIATION	3.180	7.715	3.667	2.449	2.007	2.242

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

K1-6 Yi Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
May, Marianne	-1.22	-1.24	-1.03	-0.41	0.22	-1.09
Viera, Ralph B.	-0.28	-0.59	0.61	1.63	1.22	-0.20
Seiz, Ray	1.61	1.74	1.42	-0.41	0.22	1.14
Guarda, Waldyr	-0.28	-1.11	-1.85	1.22	-1.77	-0.20
Castillo, George	0.66	0.96	0.88	0.00	0.22	2.03
Barrera, Tony	-0.28	0.58	0.06	-0.82	-0.28	-0.20
Lopez, Frank	-0.28	-0.59	-0.48	-0.82	-1.27	-1.09
Sanchez, Arthur	-1.22	-0.20	0.06	-1.22	0.22	-0.20
Foecking, Brian	1.29	0.45	0.33	0.82	1.22	-0.20
MAXIMUM	1.61	1.74	-1.85	1.63	-1.77	2.03
MINIMUM	-0.28	-0.20	0.06	0.00	0.22	-0.20
RANGE(MAX-MIN)	1.887	1.944	-1.909	1.633	-1.993	2.230
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 (2010 October 12-14)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
May, Marianne	49.00	42.00	19.00	47.00	40.00	14.00
Lowsky, John	50.00	51.00	11.00	52.00	40.00	13.00
Viera, Ralph B.	47.00	42.00	13.00	40.00	30.00	14.00
Castillo, George	46.00	45.00	18.00	41.00	41.00	17.00
Barrera, Tony	53.00	39.00	26.00	49.00	42.00	12.00
Lopez, Frank	39.00	26.00	14.00	33.00	27.00	15.00
Seiz, Ray	52.00	42.00	20.00	57.00	36.00	10.00
Sanchez, Arthur	60.00	60.00	30.00	68.00	60.00	21.00
MAXIMUM	60.00	60.00	30.00	68.00	60.00	21.00
MINIMUM	39.00	26.00	11.00	33.00	27.00	10.00
RANGE(MAX-MIN)	21.000	34.000	19.000	35.000	33.000	11.000
MEAN	49.500	43.375	18.875	48.375	39.500	14.500
STANDARD DEVIATION	6.071	9.739	6.512	10.928	9.914	3.338

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

L1-6 Yi Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
May, Marianne	-0.08	-0.14	0.02	-0.13	0.05	-0.15
Lowsky, John	0.08	0.78	-1.21	0.33	0.05	-0.45
Viera, Ralph B.	-0.41	-0.14	-0.90	-0.77	-0.96	-0.15
Castillo, George	-0.58	0.17	-0.13	-0.67	0.15	0.75
Barrera, Tony	0.58	-0.45	1.09	0.06	0.25	-0.75
Lopez, Frank	-1.73	-1.78	-0.75	-1.41	-1.26	0.15
Seiz, Ray	0.41	-0.14	0.17	0.79	-0.35	-1.35
Sanchez, Arthur	1.73	1.71	1.71	1.80	2.07	1.95
MAXIMUM	-1.73	-1.78	1.71	1.80	2.07	1.95
MINIMUM	-0.08	-0.14	0.02	0.06	0.05	-0.15
RANGE(MAX-MIN)	-1.647	-1.643	1.689	1.739	2.017	2.097
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 (2010 October 12-14)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Viera, Ralph B.	39.00	31.00	30.00	15.00	35.00	14.00
Lowsky, John	58.00	32.00	27.00	18.00	41.00	17.00
Castillo, George	58.00	38.00	27.00	21.00	39.00	20.00
Barrera, Tony	53.00	38.00	26.00	19.00	36.00	13.00
Lopez, Frank	34.00	18.00	22.00	15.00	23.00	13.00
Seiz, Ray	42.00	36.00	25.00	14.00	43.00	10.00
MAXIMUM	58.00	38.00	30.00	21.00	43.00	20.00
MINIMUM	34.00	18.00	22.00	14.00	23.00	10.00
RANGE(MAX-MIN)	24.000	20.000	8.000	7.000	20.000	10.000
MEAN	47.333	32.167	26.167	17.000	36.167	14.500
STANDARD DEVIATION	10.347	7.548	2.639	2.757	7.111	3.507

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

M1-6 Yi Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Viera, Ralph B.	-0.81	-0.15	1.45	-0.73	-0.16	-0.14
Lowsky, John	1.03	-0.02	0.32	0.36	0.68	0.71
Castillo, George	1.03	0.77	0.32	1.45	0.40	1.57
Barrera, Tony	0.55	0.77	-0.06	0.73	-0.02	-0.43
Lopez, Frank	-1.29	-1.88	-1.58	-0.73	-1.85	-0.43
Seiz, Ray	-0.52	0.51	-0.44	-1.09	0.96	-1.28
MAXIMUM	-1.29	-1.88	-1.58	1.45	-1.85	1.57
MINIMUM	-0.52	-0.02	-0.06	0.36	-0.02	-0.14
RANGE(MAX-MIN)	-0.773	-1.855	-1.516	1.088	-1.828	1.711
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 (2010 October 12-14)

Part ID= P1-8 - 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
Hurst, Kevin R.	8.44	8.21	8.13	8.14	8.19	7.94	7.84	7.97
Foecking, Brian	8.84	8.62	8.42	8.25	8.11	7.42	7.12	7.29
Cumberworth, Lee	8.82	8.63	8.65	8.53	8.20	8.10	7.93	7.95
Plaizier, Gert	9.10	8.90	8.95	9.00	8.80	8.70	8.08	8.23
Trevino, Bobby	8.66	8.54	8.43	8.38	8.31	8.08	7.89	7.74
Guarda, Waldyr	8.66	8.38	8.05	8.22	7.97	7.80	7.74	7.48
Rodriguez, Jesus (Jesse)	8.56	8.24	8.16	8.19	8.42	7.77	7.31	7.15
Caproni, David	8.81	8.61	8.55	8.69	8.48	8.15	7.87	7.62
Lopez, Frank	8.64	8.17	8.45	8.50	8.26	7.36	7.19	7.14
Castillo, George	8.76	8.00	8.04	8.16	8.03	7.73	7.26	7.50
Viera, Ralph B.	8.82	8.65	8.60	8.70	8.43	8.25	7.77	8.15
Barrera, Tony	8.90	8.55	8.63	8.66	8.56	8.19	7.94	7.92
MAXIMUM	9.10	8.90	8.95	9.00	8.80	8.70	8.08	8.23
MINIMUM	8.44	8.00	8.04	8.14	7.97	7.36	7.12	7.14
RANGE(MAX-MIN)	0.660	0.900	0.910	0.860	0.830	1.340	0.960	1.090
MEAN	8.751	8.458	8.422	8.452	8.313	7.958	7.662	7.678
STANDARD DEVIATION	0.172	0.258	0.280	0.273	0.238	0.372	0.340	0.374

Part ID= P1-8 - SEQ V PISTONS(TH ONLY)

P1-8 Yi Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8
Hurst, Kevin R.	-1.80	-0.96	-1.04	-1.14	-0.52	-0.05	0.52	0.78
Foecking, Brian	0.52	0.63	-0.01	-0.74	-0.86	-1.45	-1.59	-1.04
Cumberworth, Lee	0.40	0.66	0.82	0.29	-0.48	0.38	0.79	0.73
Plaizier, Gert	2.02	1.71	1.89	2.01	2.05	2.00	1.23	1.47
Trevino, Bobby	-0.53	0.32	0.03	-0.26	-0.01	0.33	0.67	0.16
Guarda, Waldyr	-0.53	-0.30	-1.33	-0.85	-1.45	-0.42	0.23	-0.53
Rodriguez, Jesus (Jesse)	-1.11	-0.85	-0.94	-0.96	0.45	-0.50	-1.03	-1.41
Caproni, David	0.34	0.59	0.46	0.87	0.70	0.52	0.61	-0.16
Lopez, Frank	-0.64	-1.12	0.10	0.18	-0.22	-1.61	-1.39	-1.44
Castillo, George	0.05	-1.77	-1.36	-1.07	-1.19	-0.61	-1.18	-0.48
Viera, Ralph B.	0.40	0.74	0.64	0.91	0.49	0.79	0.32	1.26
Barrera, Tony	0.87	0.35	0.74	0.76	1.04	0.63	0.82	0.65
MAXIMUM	2.02	-1.77	1.89	2.01	2.05	2.00	-1.59	1.47
MINIMUM	0.05	-0.30	-0.01	0.18	-0.01	-0.05	0.23	-0.16
RANGE(MAX-MIN)	1.972	-1.471	1.894	1.830	2.063	2.044	-1.824	1.629
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 (2010 October 12-14)

Part ID= Q1-8 - 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
Anderson, Dan	8.95	9.24	9.11	9.00	9.11	8.86	8.75	8.87
Barrera, Tony	9.07	9.18	8.91	8.62	8.87	8.56	8.40	8.42
Kuipers, Jacques	8.62	9.30	8.75	8.05	8.80	7.40	7.20	7.30
Lonsway, Chris	9.15	9.31	8.83	8.49	8.83	8.29	7.85	7.85
Seiz, Ray	9.78	9.82	9.70	9.68	9.55	9.38	9.22	8.23
Foecking, Brian	8.87	9.11	8.83	8.64	8.81	8.50	8.26	7.91
Lowsky, John	8.89	8.60	8.33	8.21	8.58	7.91	7.91	7.93
Lopez, Frank	9.04	9.24	8.96	8.56	9.11	8.31	7.95	7.85
Shoda, Ronald	8.91	8.74	8.33	8.14	8.60	7.91	7.83	7.53
Booth, Jeffrey	8.45	8.30	8.75	8.55	8.45	7.28	7.60	7.40
Cales, Jonathon	8.84	8.88	8.86	8.72	8.68	8.42	8.18	8.12
Viera, Ralph B.	8.77	8.87	8.91	8.70	9.00	8.59	8.03	8.36
Castillo, George	8.87	9.02	8.88	8.69	8.78	8.49	8.33	8.33
Hurst, Kevin R.	8.59	8.54	8.50	8.43	8.54	8.23	8.18	8.11
Cumberworth, Lee	8.98	8.96	8.77	8.67	9.04	8.63	8.41	8.41
Caproni, David	8.97	9.00	8.91	8.74	8.79	8.64	8.26	8.22
MAXIMUM	9.78	9.82	9.70	9.68	9.55	9.38	9.22	8.87
MINIMUM	8.45	8.30	8.33	8.05	8.45	7.28	7.20	7.30
RANGE(MAX-MIN)	1.330	1.520	1.370	1.630	1.100	2.100	2.020	1.570
MEAN	8.922	9.007	8.833	8.618	8.846	8.338	8.148	8.053
STANDARD DEVIATION	0.293	0.363	0.316	0.373	0.273	0.522	0.462	0.413

Part ID= Q1-8 - SEQ V PISTONS(TH ONLY)

Q1-8 YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8
Anderson, Dan	0.10	0.64	0.88	1.02	0.97	1.00	1.30	1.98
Barrera, Tony	0.50	0.48	0.24	0.01	0.09	0.43	0.55	0.89
Kuipers, Jacques	-1.03	0.81	-0.26	-1.52	-0.17	-1.80	-2.05	-1.82
Lonsway, Chris	0.78	0.83	-0.01	-0.34	-0.06	-0.09	-0.64	-0.49
Seiz, Ray	2.93	2.24	2.74	2.84	2.58	2.00	2.32	0.43
Foecking, Brian	-0.18	0.28	-0.01	0.06	-0.13	0.31	0.24	-0.35
Lowsky, John	-0.11	-1.12	-1.59	-1.09	-0.98	-0.82	-0.51	-0.30
Lopez, Frank	0.40	0.64	0.40	-0.16	0.97	-0.05	-0.43	-0.49
Shoda, Ronald	-0.04	-0.73	-1.59	-1.28	-0.90	-0.82	-0.69	-1.27
Booth, Jeffrey	-1.61	-1.95	-0.26	-0.18	-1.45	-2.03	-1.18	-1.58
Cales, Jonathon	-0.28	-0.35	0.09	0.27	-0.61	0.16	0.07	0.16
Viera, Ralph B.	-0.52	-0.38	0.24	0.22	0.56	0.48	-0.25	0.75
Castillo, George	-0.18	0.04	0.15	0.19	-0.24	0.29	0.40	0.67
Hurst, Kevin R.	-1.13	-1.29	-1.05	-0.50	-1.12	-0.21	0.07	0.14
Cumberworth, Lee	0.20	-0.13	-0.20	0.14	0.71	0.56	0.57	0.87
Caproni, David	0.16	-0.02	0.24	0.33	-0.21	0.58	0.24	0.41
MAXIMUM	2.93	2.24	2.74	2.84	2.58	-2.03	2.32	1.98
MINIMUM	-0.04	-0.02	-0.01	0.01	-0.06	-0.05	0.07	0.14
RANGE(MAX-MIN)	2.966	2.257	2.751	2.839	2.638	-1.974	2.251	1.842
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 (2010 October 12-14)

Part ID= R1-8 - 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
Barrera, Tony	8.97	8.70	8.70	8.61	8.64	8.40	8.32	8.36
Booth, Jeffrey	7.40	7.50	7.15	6.10	6.95	5.90	5.95	6.00
Anderson, Dan	8.68	8.93	8.87	8.76	8.52	8.46	8.53	8.55
Seiz, Ray	9.35	9.54	9.53	9.22	9.47	9.37	9.29	9.22
Lowsky, John	8.71	8.65	8.58	8.15	8.36	8.20	8.21	8.20
Trevino, Bobby	8.73	8.67	8.64	8.52	8.48	8.47	8.37	8.33
Plaizier, Gert	9.30	9.25	9.25	9.00	9.10	9.05	9.00	9.10
Kuipers, Jacques	8.80	8.55	8.15	8.10	8.25	7.95	8.05	8.05
Viera, Ralph B.	9.02	8.51	8.37	8.85	8.77	8.66	8.71	8.70
Guarda, Waldyr	8.89	8.64	8.41	8.43	8.58	7.90	7.96	8.10
Foecking, Brian	8.79	8.77	8.65	8.44	8.53	8.12	7.95	8.05
Shoda, Ronald	8.43	8.29	8.11	8.00	8.04	8.06	7.90	7.72
Rodriguez, Jesus (Jesse)	8.87	8.43	8.39	8.19	8.14	8.23	8.04	8.03
Castillo, George	8.96	8.70	8.67	8.46	8.56	8.35	8.14	8.24
MAXIMUM	9.35	9.54	9.53	9.22	9.47	9.37	9.29	9.22
MINIMUM	7.40	7.50	7.15	6.10	6.95	5.90	5.95	6.00
RANGE(MAX-MIN)	1.950	2.040	2.380	3.120	2.520	3.470	3.340	3.220
MEAN	8.779	8.652	8.534	8.345	8.456	8.223	8.173	8.189
STANDARD DEVIATION	0.463	0.462	0.554	0.736	0.569	0.783	0.762	0.755

Part ID= R1-8 - SEQ V PISTONS(TH ONLY)

R1-8 YI Values

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

Rater	SKIRT1	SKIRT2	SKIRT3	SKIRT4	SKIRT5	SKIRT6	SKIRT7	SKIRT8
Barrera, Tony	0.41	0.10	0.30	0.36	0.32	0.23	0.19	0.23
Booth, Jeffrey	-2.98	-2.49	-2.50	-3.05	-2.65	-2.97	-2.92	-2.90
Anderson, Dan	-0.21	0.60	0.61	0.56	0.11	0.30	0.47	0.48
Seiz, Ray	1.23	1.92	1.80	1.19	1.78	1.47	1.47	1.36
Lowsky, John	-0.15	0.00	0.08	-0.27	-0.17	-0.03	0.05	0.01
Trevino, Bobby	-0.10	0.04	0.19	0.24	0.04	0.32	0.26	0.19
Plaizier, Gert	1.13	1.29	1.29	0.89	1.13	1.06	1.09	1.21
Kuipers, Jacques	0.05	-0.22	-0.69	-0.33	-0.36	-0.35	-0.16	-0.18
Viera, Ralph B.	0.52	-0.31	-0.30	0.69	0.55	0.56	0.70	0.68
Guarda, Waldyr	0.24	-0.03	-0.22	0.12	0.22	-0.41	-0.28	-0.12
Foecking, Brian	0.02	0.25	0.21	0.13	0.13	-0.13	-0.29	-0.18
Shoda, Ronald	-0.75	-0.78	-0.76	-0.47	-0.73	-0.21	-0.36	-0.62
Rodriguez, Jesus (Jesse)	0.20	-0.48	-0.26	-0.21	-0.56	0.01	-0.17	-0.21
Castillo, George	0.39	0.10	0.25	0.16	0.18	0.16	-0.04	0.07
MAXIMUM	-2.98	-2.49	-2.50	-3.05	-2.65	-2.97	-2.92	-2.90
MINIMUM	0.02	0.00	0.08	0.12	0.04	0.01	-0.04	0.01
RANGE(MAX-MIN)	-3.002	-2.487	-2.579	-3.168	-2.690	-2.976	-2.873	-2.912
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 (2010 October 12-14)

Part ID= X1 - D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Booth, Jeffrey	1.09	0.63	9.00	0.09	8.01
Seiz, Ray	0.75	0.69	9.90	0.46	8.77
Lopez, Frank	0.34	0.71	9.90	0.77	8.85
Shoda, Ronald	0.52	0.73	9.90	0.46	8.90
Guarda, Waldyr	0.59	0.69	9.94	0.06	8.81
Plaizier, Gert	0.60	0.74	10.00	0.23	9.54
Trevino, Bobby	0.83	0.66	9.55	0.28	8.86
Kuipers, Jacques	0.50	0.73	10.00	0.44	9.35
Foecking, Brian	0.78	0.77	9.85	0.13	8.34
Cumberworth, Lee	0.51	0.74	9.90	0.59	9.04
Langford, Mike	0.96	0.64	0.66	0.59	8.54
Greenland, Paul	0.38	0.71	9.90	0.15	8.99
Holland, Stephen	0.87	0.74	9.80	0.29	8.11
Castillo, George	0.63	0.72	9.52	0.60	8.56
Hurst, Kevin R.	0.72	0.71	9.79	0.94	8.18
MAXIMUM	1.09	0.77	10.00	0.94	9.54
MINIMUM	0.34	0.63	0.66	0.06	8.01
RANGE(MAX-MIN)	0.750	0.140	9.340	0.880	1.530
MEAN	0.671	0.707	9.174	0.405	8.723
STANDARD DEVIATION	0.212	0.039	2.369	0.261	0.439

Part ID= X1 - D4V PISTON

X1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Booth, Jeffrey	1.97	-1.96	-0.07	-1.21	-1.63
Seiz, Ray	0.37	-0.44	0.31	0.21	0.11
Lopez, Frank	-1.56	0.07	0.31	1.40	0.29
Shoda, Ronald	-0.71	0.58	0.31	0.21	0.40
Guarda, Waldyr	-0.38	-0.44	0.32	-1.32	0.20
Plaizier, Gert	-0.34	0.83	0.35	-0.67	1.86
Trevino, Bobby	0.75	-1.20	0.16	-0.48	0.31
Kuipers, Jacques	-0.81	0.58	0.35	0.13	1.43
Foecking, Brian	0.51	1.59	0.29	-1.06	-0.87
Cumberworth, Lee	-0.76	0.83	0.31	0.71	0.72
Langford, Mike	1.36	-1.71	-3.59	0.71	-0.42
Greenland, Paul	-1.37	0.07	0.31	-0.98	0.61
Holland, Stephen	0.94	0.83	0.26	-0.44	-1.40
Castillo, George	-0.19	0.32	0.15	0.75	-0.37
Hurst, Kevin R.	0.23	0.07	0.26	2.05	-1.24
MAXIMUM	1.97	-1.96	-3.59	2.05	1.86
MINIMUM	-0.19	0.07	-0.07	0.13	0.11
RANGE(MAX-MIN)	2.169	-2.032	-3.520	1.918	1.755
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000



## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= Y1 - D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Castillo, George	1.88	0.70	6.46	0.49	7.49
Foecking, Brian	1.62	0.66	6.51	0.20	6.60
Lowsky, John	2.40	0.68	7.06	0.22	6.98
Seiz, Ray	1.18	0.68	6.18	0.33	7.96
Shoda, Ronald	0.74	0.69	5.54	0.26	7.62
Anderson, Dan	1.56	0.68	6.15	0.08	7.43
Guarda, Waldyr	1.44	0.62	5.64	0.11	7.01
Lopez, Frank	0.74	0.62	6.21	0.27	7.90
Trevino, Bobby	1.55	0.62	7.63	0.20	8.01
Barrera, Tony	1.43	0.47	6.50	0.08	7.87
Cales, Jonathon	1.34	0.68	5.97	0.19	7.29
Cumberworth, Lee	1.25	0.71	4.20	0.22	6.70
Langford, Mike	2.00	0.52	7.28	0.15	7.20
Greenland, Paul	2.06	0.60	5.95	0.14	6.83
Holland, Stephen	3.06	0.49	6.99	0.20	7.36
MAXIMUM	3.06	0.71	7.63	0.49	8.01
MINIMUM	0.74	0.47	4.20	0.08	6.60
RANGE(MAX-MIN)	2.320	0.240	3.430	0.410	1.410
MEAN	1.617	0.628	6.285	0.209	7.350
STANDARD DEVIATION	0.605	0.078	0.828	0.104	0.464

Part ID= Y1 - D4V PISTON

Y1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Castillo, George	0.44	0.93	0.21	2.69	0.30
Foecking, Brian	0.01	0.41	0.27	-0.09	-1.62
Lowsky, John	1.30	0.67	0.94	0.10	-0.80
Seiz, Ray	-0.72	0.67	-0.13	1.16	1.31
Shoda, Ronald	-1.45	0.80	-0.90	0.49	0.58
Anderson, Dan	-0.09	0.67	-0.16	-1.24	0.17
Guarda, Waldyr	-0.29	-0.10	-0.78	-0.95	-0.73
Lopez, Frank	-1.45	-0.10	-0.09	0.58	1.19
Trevino, Bobby	-0.11	-0.10	1.63	-0.09	1.42
Barrera, Tony	-0.31	-2.04	0.26	-1.24	1.12
Cales, Jonathon	-0.46	0.67	-0.38	-0.19	-0.13
Cumberworth, Lee	-0.61	1.06	-2.52	0.10	-1.40
Langford, Mike	0.63	-1.39	1.20	-0.57	-0.32
Greenland, Paul	0.73	-0.36	-0.40	-0.67	-1.12
Holland, Stephen	2.39	-1.78	0.85	-0.09	0.02
MAXIMUM	2.39	-2.04	-2.52	2.69	-1.62
MINIMUM	0.01	-0.10	-0.09	-0.09	0.02
RANGE(MAX-MIN)	2.381	-1.934	-2.429	2.782	-1.638
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= Z1 - D4V PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Lonsway, Chris	1.68	0.89	3.54	0.09	5.48
Foecking, Brian	2.56	0.78	4.36	0.13	5.96
Anderson, Dan	3.52	0.70	5.28	0.03	6.73
Lowsky, John	2.31	0.96	4.53	0.26	7.09
Plaizier, Gert	2.05	0.80	3.55	0.11	5.40
Kuipers, Jacques	2.07	0.86	3.14	0.96	5.70
Booth, Jeffrey	5.83	5.08	7.14	3.68	5.93
Barrera, Tony	1.65	0.76	3.70	0.29	5.35
Greenland, Paul	2.80	0.98	3.88	0.15	5.84
Holland, Stephen	3.60	1.08	6.74	0.59	6.66
Castillo, George	1.59	0.85	3.65	0.60	5.81
Hurst, Kevin R.	2.27	0.86	3.65	0.29	5.80
Seiz, Ray	1.91	0.91	5.10	0.34	6.86
MAXIMUM	5.83	5.08	7.14	3.68	7.09
MINIMUM	1.59	0.70	3.14	0.03	5.35
RANGE(MAX-MIN)	4.240	4.380	4.000	3.650	1.740
MEAN	2.603	1.193	4.482	0.578	6.047
STANDARD DEVIATION	1.167	1.172	1.262	0.968	0.586

Part ID= Z1 - D4V PISTON

Z1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Lonsway, Chris	-0.79	-0.26	-0.75	-0.50	-0.97
Foecking, Brian	-0.04	-0.35	-0.10	-0.46	-0.15
Anderson, Dan	0.79	-0.42	0.63	-0.57	1.17
Lowsky, John	-0.25	-0.20	0.04	-0.33	1.78
Plaizier, Gert	-0.47	-0.34	-0.74	-0.48	-1.10
Kuipers, Jacques	-0.46	-0.28	-1.06	0.39	-0.59
Booth, Jeffrey	2.77	3.32	2.11	3.21	-0.20
Barrera, Tony	-0.82	-0.37	-0.62	-0.30	-1.19
Greenland, Paul	0.17	-0.18	-0.48	-0.44	-0.35
Holland, Stephen	0.85	-0.10	1.79	0.01	1.05
Castillo, George	-0.87	-0.29	-0.66	0.02	-0.40
Hurst, Kevin R.	-0.29	-0.28	-0.66	-0.30	-0.42
Seiz, Ray	-0.59	-0.24	0.49	-0.25	1.39
MAXIMUM	2.77	3.32	2.11	3.21	1.78
MINIMUM	-0.04	-0.10	0.04	0.01	-0.15
RANGE(MAX-MIN)	2.802	3.413	2.068	3.194	1.929
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= ISMOP - ISM OIL PAN

Rated Values

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

Rater	TOTALS	
Clapperty, Leon	9.06	
Anderson, Dan	9.34	
Hurst, Kevin R.	9.47	
Foecking, Brian	9.19	
Lonsway, Chris	9.16	
May, Marianne	9.04	
Cumberworth, Lee	9.12	
Ramirez, Manny	9.41	
Lowsky, John	9.29	
Seiz, Ray	9.58	
Rodriguez, Jesus (Jesse)	9.52	
Viera, Ralph B.	9.01	
Castillo, George	9.08	
Lopez, Frank	9.12	
Shoda, Ronald	9.31	
Holland, Stephen	9.21	
Hills, Barry	9.35	
Langford, Mike	9.39	
Barrera, Tony	9.02	
Guarda, Waldyr	9.04	
Trevino, Bobby	8.77	
Greenland, Paul	9.29	
Avis, Steven	9.04	
Caproni, David	9.24	
Cales, Jonathon	9.22	
Kobrinetz, Joaquin J.	9.04	
Sanchez, Arthur	9.10	
MAXIMUM	9.58	
MINIMUM	8.77	
RANGE(MAX-MIN)	0.810	
MEAN	9.200	
STANDARD DEVIATION	0.185	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= ISMOP - ISM OIL PAN

ISMOP Yi Values

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

Rater	TOTALS	
Clapperty, Leon	-0.76	
Anderson, Dan	0.76	
Hurst, Kevin R.	1.46	
Foecking, Brian	-0.06	
Lonsway, Chris	-0.22	
May, Marianne	-0.87	
Cumberworth, Lee	-0.44	
Ramirez, Manny	1.14	
Lowsky, John	0.49	
Seiz, Ray	2.06	
Rodriguez, Jesus (Jesse)	1.73	
Viera, Ralph B.	-1.03	
Castillo, George	-0.65	
Lopez, Frank	-0.44	
Shoda, Ronald	0.59	
Holland, Stephen	0.05	
Hills, Barry	0.81	
Langford, Mike	1.03	
Barrera, Tony	-0.98	
Guarda, Waldyr	-0.87	
Trevino, Bobby	-2.33	
Greenland, Paul	0.49	
Avis, Steven	-0.87	
Caproni, David	0.21	
Cales, Jonathon	0.11	
Kobrinetz, Joaquin J.	-0.87	
Sanchez, Arthur	-0.54	
MAXIMUM	-2.33	
MINIMUM	0.05	
RANGE(MAX-MIN)	-2.383	
MEAN	0.000	
STANDARD DEVIATION	1.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= ISMRC - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS	
Clapperty, Leon	9.00	
Cumberworth, Lee	9.65	
Foecking, Brian	9.17	
Hurst, Kevin R.	9.55	
Anderson, Dan	9.37	
May, Marianne	9.00	
Lonsway, Chris	9.15	
Ramirez, Manny	9.40	
Seiz, Ray	9.60	
Lowsky, John	9.51	
Rodriguez, Jesus (Jesse)	9.49	
Viera, Ralph B.	8.71	
Castillo, George	9.17	
Lopez, Frank	9.21	
Holland, Stephen	9.29	
Langford, Mike	9.32	
Shoda, Ronald	9.54	
Hills, Barry	9.42	
Barrera, Tony	9.16	
Guarda, Waldyr	9.18	
Trevino, Bobby	8.91	
Greenland, Paul	9.37	
Avis, Steven	9.45	
Caproni, David	9.25	
Cales, Jonathon	9.42	
Kobrinetz, Joaquin J.	9.00	
Sanchez, Arthur	9.00	
MAXIMUM	9.65	
MINIMUM	8.71	
RANGE(MAX-MIN)	0.940	
MEAN	9.270	
STANDARD DEVIATION	0.234	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Part ID= ISMRC - ISM ROCKER COVER

ISMRC Yi Values

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

Rater	TOTALS	
Clapperty, Leon	-1.15	
Cumberworth, Lee	1.63	
Foecking, Brian	-0.43	
Hurst, Kevin R.	1.20	
Anderson, Dan	0.43	
May, Marianne	-1.15	
Lonsway, Chris	-0.51	
Ramirez, Manny	0.56	
Seiz, Ray	1.41	
Lowsky, John	1.03	
Rodriguez, Jesus (Jesse)	0.94	
Viera, Ralph B.	-2.40	
Castillo, George	-0.43	
Lopez, Frank	-0.26	
Holland, Stephen	0.09	
Langford, Mike	0.21	
Shoda, Ronald	1.15	
Hills, Barry	0.64	
Barrera, Tony	-0.47	
Guarda, Waldyr	-0.38	
Trevino, Bobby	-1.54	
Greenland, Paul	0.43	
Avis, Steven	0.77	
Caproni, David	-0.09	
Cales, Jonathon	0.64	
Kobrinetz, Joaquin J.	-1.15	
Sanchez, Arthur	-1.15	
MAXIMUM	-2.40	
MINIMUM	0.09	
RANGE(MAX-MIN)	-2.481	
MEAN	0.000	
STANDARD DEVIATION	1.000	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Anderson, Dan

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	-0.15	-0.84	0.78	-0.24	1.47	-0.35	-0.32	-0.04										
A2-KEYSTONE	-0.26	-1.28	-0.95		-0.67	0.26		1.88	-1.00	-1.04	-1.17	-0.17	-0.32	-0.60				
A3-C13-STYLE	0.39	-0.44	-0.92		0.81	-0.77	-0.95			-1.91	-1.38							
A4-SQUARE CUT	-0.57	-1.53	0.45	-0.37	-1.18	-1.42	-0.17	-0.88										
A5-SEQUENCE III	-0.71	0.51	1.32		-1.35	-0.68					-0.61				-0.84	-0.72		
A6-ARTICULATED 2-PIECE	-0.02	-1.04	0.40		0.72	-1.03	0.10	1.17		-0.49	-1.20	2.47	0.56	-0.65			-2.28	
B1-SQUARE CUT	-0.07	0.35	0.06	0.20	-0.69	0.40	-0.48	-0.55										
B2-KEYSTONE	-0.38	0.00	-1.16		-0.24	2.43		0.92	-1.56	-1.12	1.21	1.01	-0.25	-0.43				
B3-C13-STYLE	-0.91	-0.07	-1.67		-0.03	-0.80	-1.09			-0.74	-1.32							
B4-SQUARE CUT	-0.97	-1.74	2.43	-0.13	0.64	1.62	2.34	-0.85										
B5-SEQUENCE III	-0.73	0.18	1.51		0.54	-0.68					-1.20				1.03	-0.47		
B6-ARTICULATED 2-PIECE	-0.46	-2.44	0.48		-0.93	0.32	0.25	-0.59		0.59	-1.39	-0.95	0.71	0.69			-1.98	
C1-SQUARE CUT	-1.37	-0.64	1.30	-0.77	-0.60	0.19	-0.01	1.39										
C2-KEYSTONE	0.71	-0.48	1.83		0.05	-0.81		0.53	-0.56	-0.85	-0.96	-0.53	1.33	-0.57				
C3-C13-STYLE	-0.24	-0.31	-0.82		-0.51	-1.73	1.30			-1.83	-0.29							
C4-SQUARE CUT	-2.46	1.46	0.29	-0.12	-0.05	0.55	-0.73	-2.86										
C5-SEQUENCE III	-1.67	-1.33	0.67		0.53	-0.24					-0.93				-0.89	-0.27		
C6-ARTICULATED 2-PIECE	0.20	-1.49	0.47		-1.61	0.92	1.96	0.21		-0.99	-1.28	0.03	-0.65	-0.34			-1.81	
CAL1A-CALIBRATION PISTON	0.78	-0.18	-0.50		-1.95	0.10		-1.51										
CAL1B-CALIBRATION PISTON	1.01	-0.07	3.06		-0.91	0.42		-2.14										
CAL1C-CALIBRATION PISTON	-0.58	-0.31	-1.05		-0.98	0.41		-1.71										
D1-4-1-CAL. SEQUENCE V PISTONS																		-0.56
D1-4-2-CAL. SEQUENCE V PISTONS																		0.74
D1-4-3-CAL. SEQUENCE V PISTONS																		0.62
D1-4-4-CAL. SEQUENCE V PISTONS																		-0.47
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.10
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.64
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.88
Q1-8-4-SEQ V PISTONS(TH ONLY)																		1.02
Q1-8-5-SEQ V PISTONS(TH ONLY)																		0.97
Q1-8-6-SEQ V PISTONS(TH ONLY)																		1.00
Q1-8-7-SEQ V PISTONS(TH ONLY)																		1.30
Q1-8-8-SEQ V PISTONS(TH ONLY)																		1.98
R1-8-1-SEQ V PISTONS(TH ONLY)																		-0.21
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.60
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.61
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.56
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.11
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.30
R1-8-7-SEQ V PISTONS(TH ONLY)																		0.47
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.48
MAXIMUM	-2.46	-2.44	3.06	-0.77	-1.95	2.43	2.34	-2.86	-1.56	-1.91	-1.39	2.47	1.33	0.69	1.03	-0.72	-2.28	1.98
MINIMUM	-0.02	0.00	0.06	-0.12	-0.03	0.10	-0.01	-0.04	-0.56	-0.49	-0.29	0.03	-0.25	-0.34	-0.84	-0.27	-1.81	0.10
RANGE(MAX-MIN)	-2.440	-2.440	3.000	-0.650	-1.920	2.330	2.350	-2.820	-1.000	-1.420	-1.100	2.440	1.580	1.030	1.870	-0.450	-0.470	1.880
MEAN	-0.403	-0.557	0.380	-0.238	-0.330	-0.042	0.183	-0.335	-1.040	-0.931	-0.877	0.310	0.230	-0.317	-0.233	-0.487	-2.023	0.557
STANDARD DEVIATION	0.825	0.890	1.248	0.322	0.892	0.986	1.114	1.374	0.501	0.739	0.735	1.246	0.756	0.506	1.094	0.225	0.238	0.593

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Avis, Steven

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	0.57	0.85	-0.33	-0.24	0.41	-1.01	-1.09	0.27										
A2-KEystone	0.18	0.00	0.71		-0.34	-0.38		-0.87	-0.52	0.14	1.73	-0.39	-0.32	-0.60				
A3-C13-STYLE	0.41	-0.78	-0.70		-0.33	-0.87	-1.51			-0.21	-0.18							
A4-SQUARE CUT	0.43	-0.38	-0.58	-0.51	0.59	-1.26	-0.95	0.56										
A5-SEQUENCE III	1.35	0.64	0.05		0.30	-0.11					-0.40				-0.34	-0.72		
A6-ARTICULATED 2-PIECE	-0.69	0.12	-0.92		-0.51	-0.35	-0.78	-0.77		0.04	-0.27	-0.55	0.70	-0.65			0.76	
B1-SQUARE CUT	1.37	-0.38	-0.65	-0.64	-0.34	-0.99	-0.96	1.44										
B2-KEystone	-0.46	0.00	1.76		-0.05	-0.09		-1.14	0.05	-0.70	-0.63	-0.96	-0.25	-0.43				
B3-C13-STYLE	-0.05	0.03	0.93		0.15	-0.36	0.34			-0.53	1.25							
B4-SQUARE CUT	0.55	0.24	-1.15	-1.17	1.15	-0.57	-0.06	1.27										
B5-SEQUENCE III	-0.09	-0.33	0.54		0.83	0.06					-0.80				0.23	-0.47		
B6-ARTICULATED 2-PIECE	-0.30	-0.06	-0.53		-0.33	0.04	-1.16	0.08		1.24	0.09	-0.84	1.17	-0.82			0.78	
C1-SQUARE CUT	0.32	-0.35	-0.79	-0.77	0.22	-1.33	-1.40	0.58										
C2-KEystone	-1.28	-0.04	1.45		1.36	-0.37		-1.12	-0.42	-0.86	-0.61	-0.02	-1.49	-0.57				
C3-C13-STYLE	-0.43	-0.27	-0.24		-0.09	-0.44	-0.84			0.29	1.33							
C4-SQUARE CUT	0.90	-1.00	0.14	-1.23	-0.11	-1.11	-1.01	0.60										
C5-SEQUENCE III	-0.70	-0.18	0.01		1.01	-0.44					-0.64				0.11	-0.27		
C6-ARTICULATED 2-PIECE	0.66	-0.45	-1.28		0.50	-1.26	-1.17	0.62		0.35	-0.14	-0.43	-0.65	-0.34			0.26	
CAL1A-CALIBRATION PISTON	1.15	-0.27	-0.06		0.50	-1.40		0.16										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		-1.32
D1-4-2-CAL. SEQUENCE V PISTONS																		-1.63
D1-4-3-CAL. SEQUENCE V PISTONS																		-1.53
D1-4-4-CAL. SEQUENCE V PISTONS																		-1.67
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.37	-1.00	1.76	-1.23	1.36	-1.40	-1.51	1.44	-0.52	1.24	1.73	-0.96	-1.49	-0.82	-0.34	-0.72	0.78	-1.67
MINIMUM	-0.05	0.00	0.01	-0.24	-0.05	0.04	-0.06	0.08	0.05	0.04	0.09	-0.02	-0.25	-0.34	0.11	-0.27	0.26	-1.32
RANGE(MAX-MIN)	1.420	-1.000	1.750	-0.990	1.410	-1.440	-1.450	1.360	-0.570	1.200	1.640	-0.940	-1.240	-0.480	-0.450	-0.450	0.520	-0.350
MEAN	0.205	-0.137	-0.086	-0.760	0.259	-0.644	-0.883	0.129	-0.297	-0.027	0.061	-0.532	-0.140	-0.568	0.000	-0.487	0.600	-1.538
STANDARD DEVIATION	0.734	0.432	0.846	0.384	0.554	0.488	0.529	0.860	0.304	0.644	0.873	0.338	0.954	0.169	0.300	0.225	0.295	0.156



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	0.22	-0.18	-0.71	-1.00	-0.29	-0.94	-1.34	-0.04										
A2-KEYSTONE	-0.35	-0.40	-0.77		0.01	-0.85		-0.37	-0.70	0.08	0.13	-0.92	-0.32	-0.60				
A3-C13-STYLE	-1.31	-0.58	-0.08		-0.31	-0.51	0.15			-0.47	-0.98							
A4-SQUARE CUT	-0.99	-0.22	-0.68	-0.51	0.24	-0.82	-1.23	0.38										
A5-SEQUENCE III	-0.71	0.42	-1.47		0.35	-0.61					-0.37				-0.20	-0.61		
A6-ARTICULATED 2-PIECE	-1.11	-1.18	-0.41		-0.73	0.20	-0.23	-0.77		0.82	-1.27	-0.22	0.56	-0.65			-0.64	
B1-SQUARE CUT	0.99	1.07	-0.36	-0.14	-0.34	-0.09	-0.61	1.14										
B2-KEYSTONE	-0.22	0.00	-0.24		-0.21	-0.24		-0.57	0.26	-0.14	-0.10	0.46	-0.25	-0.43				
B3-C13-STYLE	-2.24	-0.63	0.47		-0.53	-0.35	-1.24			0.09	-0.83							
B4-SQUARE CUT	-0.72	-0.06	-0.12	-0.96	0.28	-0.64	-1.20	-1.51										
B5-SEQUENCE III	-0.67	-0.59	-0.85		0.23	-0.13					0.64				0.26	-0.47		
B6-ARTICULATED 2-PIECE	-1.38	-0.23	0.53		-0.54	0.22	0.25	-1.45		0.42	-0.69	-0.04	0.38	-0.25			-0.35	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON	0.22	-0.03	-0.11		0.62	-0.86		-0.19										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		0.51
F1-4-2-CAL. SEQUENCE V PISTONS																		-0.41
F1-4-3-CAL. SEQUENCE V PISTONS																		0.13
F1-4-4-CAL. SEQUENCE V PISTONS																		0.20
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.86
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.35
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.74
P1-8-4-SEQ V PISTONS(TH ONLY)																		0.76
P1-8-5-SEQ V PISTONS(TH ONLY)																		1.04
P1-8-6-SEQ V PISTONS(TH ONLY)																		0.63
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.82
P1-8-8-SEQ V PISTONS(TH ONLY)																		0.65
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.50
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.48
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.24
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.00
Q1-8-5-SEQ V PISTONS(TH ONLY)																		0.09
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.43
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.55
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.89
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.41
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.10
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.30
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.36
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.32
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.23
R1-8-7-SEQ V PISTONS(TH ONLY)																		0.19
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.23
MAXIMUM	-2.24	-1.18	-1.47	-1.00	-0.73	-0.94	-1.34	-1.51	-0.70	0.82	-1.27	-0.92	0.56	-0.65	0.26	-0.61	-0.64	1.04
MINIMUM	0.22	0.00	-0.08	-0.14	0.01	-0.09	0.15	-0.04	0.26	0.08	-0.10	-0.04	-0.25	-0.25	-0.20	-0.47	-0.35	0.00
RANGE(MAX-MIN)	-2.460	-1.180	-1.390	-0.860	-0.740	-0.850	-1.490	-1.470	-0.960	0.740	-1.170	-0.880	0.810	-0.400	0.460	-0.140	-0.290	1.040
MEAN	-0.636	-0.201	-0.369	-0.653	-0.094	-0.432	-0.681	-0.376	-0.220	0.133	-0.434	-0.180	0.093	-0.483	0.030	-0.540	-0.495	0.414
STANDARD DEVIATION	0.832	0.545	0.545	0.408	0.411	0.400	0.664	0.840	0.679	0.447	0.633	0.571	0.443	0.181	0.325	0.099	0.205	0.317

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Booth, Jeffrey

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	0.78	-0.74	-0.48	-0.51	-0.01	0.59	0.78	0.38										
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	1.37	2.81	3.68	3.34	3.30	3.13	2.83	2.21										
B2-KEYSTONE	3.68	0.00	0.51		3.67	1.38		2.98	0.53	1.45	2.02	1.01	3.75	0.10				
B3-C13-STYLE	1.97	0.75	1.71		1.99	2.71	0.85			-0.91	1.38							
B4-SQUARE CUT	1.78	0.64	2.18	-0.17	0.75	2.74	2.41	1.93										
B5-SEQUENCE III	2.85	2.53	2.36		1.19	3.55					-1.26				1.84	-0.47		
B6-ARTICULATED 2-PIECE	2.24	2.36	2.63		3.15	2.16	3.10	1.60		1.68	1.80	1.33	1.63	2.96			2.04	
C1-SQUARE CUT	-0.03	-0.04	1.64	0.74	-0.25	0.39	0.99	2.21										
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.80	4.11	3.93		1.37	0.41		-0.14										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	-1.68	2.33	2.71		1.47	1.56		1.69										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		-1.61
P1-8-2-SEQ V PISTONS(TH ONLY)																		-1.95
P1-8-3-SEQ V PISTONS(TH ONLY)																		-0.26
P1-8-4-SEQ V PISTONS(TH ONLY)																		-0.18
P1-8-5-SEQ V PISTONS(TH ONLY)																		-1.45
P1-8-6-SEQ V PISTONS(TH ONLY)																		-2.03
P1-8-7-SEQ V PISTONS(TH ONLY)																		-1.18
P1-8-8-SEQ V PISTONS(TH ONLY)																		-1.58
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-2.98
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-2.49
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-2.50
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-3.05
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-2.65
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-2.97
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-2.92
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-2.90
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	3.68	4.11	3.93	3.34	3.67	3.55	3.10	2.98	0.53	1.68	2.02	1.33	3.75	2.96	1.84	-0.47	2.04	-3.05
MINIMUM	-0.03	0.00	-0.48	-0.17	-0.01	0.39	0.78	-0.14	0.53	-0.91	-1.26	1.01	1.63	0.10	1.84	-0.47	2.04	-0.18
RANGE(MAX-MIN)	3.710	4.110	4.410	3.510	3.680	3.160	2.320	3.120	0.000	2.590	3.280	0.320	2.120	2.860	0.000	0.000	0.000	-2.870
MEAN	1.376	1.475	2.087	0.850	1.663	1.862	1.827	1.608	0.530	0.740	0.985	1.170	2.690	1.530	1.840	-0.470	2.040	-2.044
STANDARD DEVIATION	1.518	1.562	1.338	1.742	1.361	1.167	1.069	1.020	0.000	1.434	1.520	0.226	1.499	2.022	0.000	0.000	0.000	0.938

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	-0.59	0.31	-0.05	0.19	-0.61	1.00	1.61	-1.13										
A2-KEYSTONE	-0.44	0.53	0.08		-0.70	-0.36		-0.87	-0.10	0.38	0.19	-0.17	-0.32	-0.60				
A3-C13-STYLE	-1.03	0.31	0.82		-0.23	1.08	0.82			1.63	0.81							
A4-SQUARE CUT	-0.14	2.07	-0.22	-0.26	-0.09	-0.25	1.42	-0.88										
A5-SEQUENCE III	-0.71	0.51	0.37		-1.53	-0.97					-0.42				-0.67	1.50		
A6-ARTICULATED 2-PIECE	-0.50	-0.09	0.66		-0.67	-0.16	0.48	-0.55		0.37	0.98	-0.55	-0.42	1.75			0.76	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
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	-1.08	-0.20	-0.06		0.29	0.53		0.01										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		0.58
E1-4-2-CAL. SEQUENCE V PISTONS																		0.48
E1-4-3-CAL. SEQUENCE V PISTONS																		0.76
E1-4-4-CAL. SEQUENCE V PISTONS																		1.47
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.28
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-0.35
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.08
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.27
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.61
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.16
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.07
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.16
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.08	2.07	0.82	-0.26	-1.53	1.08	1.61	-1.13	-0.10	1.63	0.98	-0.55	-0.42	1.75	-0.67	1.50	0.76	1.47
MINIMUM	-0.14	-0.09	-0.05	0.19	-0.09	-0.16	0.48	0.01	-0.10	0.37	0.19	-0.17	-0.32	-0.60	-0.67	1.50	0.76	0.07
RANGE(MAX-MIN)	-0.940	2.160	0.870	-0.450	-1.440	1.240	1.130	-1.140	0.000	1.260	0.790	-0.380	-0.100	2.350	0.000	0.000	0.000	1.400
MEAN	-0.641	0.491	0.229	-0.035	-0.506	0.124	1.083	-0.684	-0.100	0.793	0.390	-0.360	-0.370	0.575	-0.670	1.500	0.760	0.233
STANDARD DEVIATION	0.332	0.750	0.396	0.318	0.578	0.764	0.524	0.439	0.000	0.725	0.638	0.269	0.071	1.662	0.000	0.000	0.000	0.553

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Caproni, David

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	-1.38	-0.33	-0.24	0.90	0.24	0.65	-0.04										
A2-KEystone	-1.33	-0.89	-0.06		-0.40	-0.15		0.01	-0.22	-0.91	-0.91	0.26	-0.32	-0.60				
A3-C13-STYLE	-1.56	0.55	0.28		0.01	-0.67	1.26			-0.24	0.98							
A4-SQUARE CUT	0.27	-1.27	-0.55	-0.37	1.41	0.28	0.62	-0.70										
A5-SEQUENCE III	0.58	0.47	-0.51		-1.94	-0.97					-0.49				-0.34	-0.18		
A6-ARTICULATED 2-PIECE	-0.56	-1.12	0.34		-0.63	0.53	2.84	0.09		-0.14	0.77	0.12	-0.84	-0.65			0.84	
B1-SQUARE CUT																		
B2-KEystone																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
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																		
CAL1B-CALIBRATION PISTON	0.07	-1.81	-0.11		0.36	0.13		0.78										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		0.25
E1-4-2-CAL. SEQUENCE V PISTONS																		0.21
E1-4-3-CAL. SEQUENCE V PISTONS																		0.52
E1-4-4-CAL. SEQUENCE V PISTONS																		0.10
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.34
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.59
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.46
P1-8-4-SEQ V PISTONS(TH ONLY)																		0.87
P1-8-5-SEQ V PISTONS(TH ONLY)																		0.70
P1-8-6-SEQ V PISTONS(TH ONLY)																		0.52
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.61
P1-8-8-SEQ V PISTONS(TH ONLY)																		-0.16
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.16
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-0.02
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.24
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.33
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.21
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.58
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.24
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.41
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.56	-1.81	-0.55	-0.37	-1.94	-0.97	2.84	0.78	-0.22	-0.91	0.98	0.26	-0.84	-0.65	-0.34	-0.18	0.84	0.87
MINIMUM	0.07	0.47	-0.06	-0.24	0.01	0.13	0.62	0.01	-0.22	-0.14	-0.49	0.12	-0.32	-0.60	-0.34	-0.18	0.84	-0.02
RANGE(MAX-MIN)	-1.630	-2.280	-0.490	-0.130	-1.950	-1.100	2.220	0.770	0.000	-0.770	1.470	0.140	-0.520	-0.050	0.000	0.000	0.000	0.890
MEAN	-0.310	-0.779	-0.134	-0.305	-0.041	-0.087	1.343	0.028	-0.220	-0.430	0.088	0.190	-0.580	-0.625	-0.340	-0.180	0.840	0.337
STANDARD DEVIATION	0.855	0.924	0.355	0.092	1.098	0.547	1.041	0.525	0.000	0.419	0.929	0.099	0.368	0.035	0.000	0.000	0.000	0.281

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Castillo, George

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	-0.76	-0.07	-0.12	0.16	-0.59	0.61	0.31	0.83										
B2-KEYSTONE	-0.30	0.00	-0.27		-0.66	-0.21		-0.73	-0.01	0.48	-0.74	-0.52	-0.25	-0.43				
B3-C13-STYLE	-0.14	-0.85	0.84		-1.22	-0.11	0.96			-0.40	-0.40							
B4-SQUARE CUT	-1.03	0.14	-0.48	-0.21	-1.14	0.15	-0.36	-0.19										
B5-SEQUENCE III	-0.53	-1.27	-1.33		-2.07	-0.45					-0.28				0.52	-0.33		
B6-ARTICULATED 2-PIECE	-0.07	-0.65	0.07		-0.52	-0.01	0.30	0.17		-1.97	-0.69	-0.27	-2.01	-0.82			0.66	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	-1.20	-0.11	-0.50		-1.05	0.41		0.84										
CAL1B-CALIBRATION PISTON	-1.34	-0.89	-0.91		0.45	-0.35	-1.34	-0.58										
CAL1C-CALIBRATION PISTON	-0.85	0.16	-0.75		-0.80	-0.69		0.70										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		-0.15
E1-4-2-CAL. SEQUENCE V PISTONS																		-0.30
E1-4-3-CAL. SEQUENCE V PISTONS																		-0.98
E1-4-4-CAL. SEQUENCE V PISTONS																		-0.07
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.05
P1-8-2-SEQ V PISTONS(TH ONLY)																		-1.77
P1-8-3-SEQ V PISTONS(TH ONLY)																		-1.36
P1-8-4-SEQ V PISTONS(TH ONLY)																		-1.07
P1-8-5-SEQ V PISTONS(TH ONLY)																		-1.19
P1-8-6-SEQ V PISTONS(TH ONLY)																		-0.61
P1-8-7-SEQ V PISTONS(TH ONLY)																		-1.18
P1-8-8-SEQ V PISTONS(TH ONLY)																		-0.48
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.18
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.04
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.15
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.19
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.24
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.29
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.40
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.67
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.39
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.10
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.25
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.16
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.18
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.16
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.04
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.07
MAXIMUM	-1.34	-1.27	-1.33	-0.21	-2.07	-0.69	0.96	0.84	-0.01	-1.97	-0.74	-0.52	-2.01	-0.82	0.52	-0.33	0.66	-1.77
MINIMUM	-0.07	0.00	0.07	0.16	0.45	-0.01	0.30	0.17	-0.01	-0.40	-0.28	-0.27	-0.25	-0.43	0.52	-0.33	0.66	0.04
RANGE(MAX-MIN)	-1.270	-1.270	-1.400	-0.370	-2.520	-0.680	0.660	0.670	0.000	-1.570	-0.460	-0.250	-1.760	-0.390	0.000	0.000	0.000	-1.810
MEAN	-0.691	-0.393	-0.383	-0.025	-0.844	-0.072	0.303	0.149	-0.010	-0.630	-0.528	-0.395	-1.130	-0.625	0.520	-0.330	0.660	-0.233
STANDARD DEVIATION	0.460	0.527	0.624	0.262	0.676	0.414	0.539	0.666	0.000	1.241	0.223	0.177	1.245	0.276	0.000	0.000	0.000	0.616

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Clapperty, Leon

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	-0.91	-0.88	-0.20	0.53	-0.45	-1.22	-0.59	0.22											
B2-KEYSTONE	-0.33	0.00	-1.27		-0.08	-1.81		-0.32	-1.29	1.32	-1.94	-0.63	-0.25	-0.43					
B3-C13-STYLE																			
B4-SQUARE CUT	-0.56	2.20	0.03	0.14	-1.31	-1.18	-1.11	0.34											
B5-SEQUENCE III																			
B6-ARTICULATED 2-PIECE	0.48	0.78	-0.69		-0.57	-1.74	-0.19	1.79		-0.73	-0.61	1.33	-0.62	-0.63				-0.09	
C1-SQUARE CUT	-0.74	-0.96	-0.75	2.09	-1.66	-1.51	-1.18	-1.05											
C2-KEYSTONE	-0.25	1.72	-0.36		-0.09	-0.60		-0.79	0.00	1.10	-1.34	0.50	1.33	-0.57					
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III																			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON																			
CAL1B-CALIBRATION PISTON																			
CAL1C-CALIBRATION PISTON	-0.27	0.39	-0.21		-0.50	-0.87		0.26											
D1-4-1-CAL. SEQUENCE V PISTONS																			
D1-4-2-CAL. SEQUENCE V PISTONS																			
D1-4-3-CAL. SEQUENCE V PISTONS																			
D1-4-4-CAL. SEQUENCE V PISTONS																			
E1-4-1-CAL. SEQUENCE V PISTONS																			
E1-4-2-CAL. SEQUENCE V PISTONS																			
E1-4-3-CAL. SEQUENCE V PISTONS																			
E1-4-4-CAL. SEQUENCE V PISTONS																			
F1-4-1-CAL. SEQUENCE V PISTONS																			
F1-4-2-CAL. SEQUENCE V PISTONS																			
F1-4-3-CAL. SEQUENCE V PISTONS																			
F1-4-4-CAL. SEQUENCE V PISTONS																			
P1-8-1-SEQ V PISTONS(TH ONLY)																			
P1-8-2-SEQ V PISTONS(TH ONLY)																			
P1-8-3-SEQ V PISTONS(TH ONLY)																			
P1-8-4-SEQ V PISTONS(TH ONLY)																			
P1-8-5-SEQ V PISTONS(TH ONLY)																			
P1-8-6-SEQ V PISTONS(TH ONLY)																			
P1-8-7-SEQ V PISTONS(TH ONLY)																			
P1-8-8-SEQ V PISTONS(TH ONLY)																			
Q1-8-1-SEQ V PISTONS(TH ONLY)																			
Q1-8-2-SEQ V PISTONS(TH ONLY)																			
Q1-8-3-SEQ V PISTONS(TH ONLY)																			
Q1-8-4-SEQ V PISTONS(TH ONLY)																			
Q1-8-5-SEQ V PISTONS(TH ONLY)																			
Q1-8-6-SEQ V PISTONS(TH ONLY)																			
Q1-8-7-SEQ V PISTONS(TH ONLY)																			
Q1-8-8-SEQ V PISTONS(TH ONLY)																			
R1-8-1-SEQ V PISTONS(TH ONLY)																			
R1-8-2-SEQ V PISTONS(TH ONLY)																			
R1-8-3-SEQ V PISTONS(TH ONLY)																			
R1-8-4-SEQ V PISTONS(TH ONLY)																			
R1-8-5-SEQ V PISTONS(TH ONLY)																			
R1-8-6-SEQ V PISTONS(TH ONLY)																			
R1-8-7-SEQ V PISTONS(TH ONLY)																			
R1-8-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-0.91	2.20	-1.27	2.09	-1.66	-1.81	-1.18	1.79	-1.29	1.32	-1.94	1.33	1.33	-0.63				-0.09	
MINIMUM	-0.25	0.00	0.03	0.14	-0.08	-0.60	-0.19	0.22	0.00	-0.73	-0.61	0.50	-0.25	-0.43				-0.09	
RANGE(MAX-MIN)	-0.660	2.200	-1.300	1.950	-1.580	-1.210	-0.990	1.570	-1.290	2.050	-1.330	0.830	1.580	-0.200				0.000	
MEAN	-0.369	0.464	-0.493	0.920	-0.666	-1.276	-0.768	0.064	-0.645	0.563	-1.297	0.400	0.153	-0.543				-0.090	
STANDARD DEVIATION	0.450	1.207	0.441	1.032	0.600	0.445	0.466	0.934	0.912	1.125	0.666	0.984	1.036	0.103				0.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Cumberworth, Lee

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	-0.71	0.42	0.17		-1.72	-0.97					2.40				-0.14	-0.72		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	-2.53	0.60	-0.04	0.91	-0.20	0.06	1.63	-0.70										
B2-KEYSTONE	-0.34	0.00	-1.07		-0.19	-0.86		0.26	-0.69	2.00	-0.05	-0.30	-0.25	2.24				
B3-C13-STYLE																		
B4-SQUARE CUT	-2.61	0.14	-0.12	-0.08	-0.17	0.18	-0.17	-0.72										
B5-SEQUENCE III	-0.47	-1.70	0.09		-2.41	-0.40					1.60				-0.63	-0.18		
B6-ARTICULATED 2-PIECE	-1.41	0.29	0.48		0.03	0.57	-0.27	-0.11		-0.55	0.87	0.53	-0.55	0.13			-0.64	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT	-1.34	1.09	-0.22	-0.12	-0.12	0.03	-0.27	-0.75										
C5-SEQUENCE III	0.60	-1.16	0.44		-3.24	-0.36					2.49				-0.64	-0.71		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON	-2.03	0.93	-0.11		0.39	0.03		-1.56										
CAL1C-CALIBRATION PISTON	-0.54	0.96	-0.45		0.69	0.07		-0.84										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		1.01
E1-4-2-CAL. SEQUENCE V PISTONS																		1.41
E1-4-3-CAL. SEQUENCE V PISTONS																		1.14
E1-4-4-CAL. SEQUENCE V PISTONS																		0.80
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.40
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.66
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.82
P1-8-4-SEQ V PISTONS(TH ONLY)																		0.29
P1-8-5-SEQ V PISTONS(TH ONLY)																		-0.48
P1-8-6-SEQ V PISTONS(TH ONLY)																		0.38
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.79
P1-8-8-SEQ V PISTONS(TH ONLY)																		0.73
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.20
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-0.13
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-0.20
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.14
Q1-8-5-SEQ V PISTONS(TH ONLY)																		0.71
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.56
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.57
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.87
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-2.61	-1.70	-1.07	0.91	-3.24	-0.97	1.63	-1.56	-0.69	2.00	2.49	0.53	-0.55	2.24	-0.64	-0.72	-0.64	1.41
MINIMUM	-0.34	0.00	-0.04	-0.08	0.03	0.03	-0.17	-0.11	-0.69	-0.55	-0.05	-0.30	-0.25	0.13	-0.14	-0.18	-0.64	-0.13
RANGE(MAX-MIN)	-2.270	-1.700	-1.030	0.990	-3.270	-1.000	1.800	-1.450	0.000	2.550	2.540	0.830	-0.300	2.110	-0.500	-0.540	0.000	1.540
MEAN	-1.138	0.157	-0.083	0.237	-0.694	-0.165	0.230	-0.631	-0.690	0.725	1.462	0.115	-0.400	1.185	-0.470	-0.537	-0.640	0.534
STANDARD DEVIATION	1.036	0.919	0.449	0.583	1.299	0.479	0.935	0.577	0.000	1.803	1.071	0.587	0.212	1.492	0.286	0.309	0.000	0.468

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Foecking, Brian

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	-0.17	-0.04	0.14		-0.08	-0.96		-0.99	-0.76	-0.54	-0.49	-0.81	-0.32	1.11				
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.37	-0.38	-0.08	-0.56	-0.13	0.31	0.18	0.22										
B2-KEYSTONE	-0.35	0.00	0.32		-0.31	-0.45		-0.65	0.73	-0.72	-0.44	-0.85	-0.25	0.10				
B3-C13-STYLE	-0.24	0.23	-0.84		-0.65	-0.29	0.87			-0.40	-0.26							
B4-SQUARE CUT	-0.23	-0.13	-1.45	-1.09	0.44	-1.18	-0.45	-1.78										
B5-SEQUENCE III	-0.21	0.01	0.78		0.74	-0.32					-0.13				0.31	-0.18		
B6-ARTICULATED 2-PIECE	-1.24	0.06	-1.05		-0.21	-0.43	-0.70	-1.83		-0.44	-0.45	-1.07	-0.49	-0.44			-0.64	
C1-SQUARE CUT	-0.16	-0.01	-1.55	-0.62	-0.03	0.03	0.47	-1.46										
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT	0.59	-1.56	-0.78	-1.12	-0.26	-1.50	-1.06	0.60										
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON	-0.85	1.33	-0.11		0.45	1.63		-0.39										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		0.25
E1-4-2-CAL. SEQUENCE V PISTONS																		0.01
E1-4-3-CAL. SEQUENCE V PISTONS																		0.14
E1-4-4-CAL. SEQUENCE V PISTONS																		-0.21
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.52
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.63
P1-8-3-SEQ V PISTONS(TH ONLY)																		-0.01
P1-8-4-SEQ V PISTONS(TH ONLY)																		-0.74
P1-8-5-SEQ V PISTONS(TH ONLY)																		-0.86
P1-8-6-SEQ V PISTONS(TH ONLY)																		-1.45
P1-8-7-SEQ V PISTONS(TH ONLY)																		-1.59
P1-8-8-SEQ V PISTONS(TH ONLY)																		-1.04
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.18
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.28
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-0.01
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.06
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.13
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.31
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.24
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-0.35
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.02
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.25
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.21
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.13
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.13
R1-8-6-SEQ V PISTONS(TH ONLY)																		-0.13
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.29
R1-8-8-SEQ V PISTONS(TH ONLY)																		-0.18
MAXIMUM	-1.24	-1.56	-1.55	-1.12	0.74	1.63	-1.06	-1.83	-0.76	-0.72	-0.49	-1.07	-0.49	1.11	0.31	-0.18	-0.64	-1.59
MINIMUM	-0.16	0.00	-0.08	-0.56	-0.03	0.03	0.18	0.22	0.73	-0.40	-0.13	-0.81	-0.25	0.10	0.31	-0.18	-0.64	0.01
RANGE(MAX-MIN)	-1.080	-1.560	-1.470	-0.560	0.770	1.600	-1.240	-2.050	-1.490	-0.320	-0.360	-0.260	-0.240	1.010	0.000	0.000	0.000	-1.600
MEAN	-0.249	-0.049	-0.462	-0.848	-0.004	-0.316	-0.115	-0.785	-0.015	-0.525	-0.354	-0.910	-0.353	0.257	0.310	-0.180	-0.640	-0.143
STANDARD DEVIATION	0.522	0.699	0.784	0.299	0.421	0.875	0.741	0.901	1.054	0.143	0.153	0.140	0.123	0.787	0.000	0.000	0.000	0.541



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Greenland, Paul

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	0.64	-0.34	0.23	0.88	-0.73	0.05	0.01	-0.04										
A2-KEYSTONE	0.00	-0.13	-0.55		-0.30	-0.59		-0.87	0.08	-1.20	0.08	-0.71	-0.32	1.11				
A3-C13-STYLE	1.04	-0.24	-0.08		0.69	-0.22	0.30			0.65	0.81							
A4-SQUARE CUT	0.53	-1.20	-0.22	-0.03	-0.62	0.46	0.80	0.74										
A5-SEQUENCE III	-0.71	0.51	0.41		0.42	-0.54					-0.45				0.06	-0.18		
A6-ARTICULATED 2-PIECE	0.10	-0.50	-0.17		-0.49	-0.42	-0.21	-0.44		-0.16	0.48	-0.89	-0.56	-0.65			0.61	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
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																		
CAL1B-CALIBRATION PISTON	0.62	-0.64	0.68		0.09	-0.92		0.97										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		-0.15
F1-4-2-CAL. SEQUENCE V PISTONS																		-1.16
F1-4-3-CAL. SEQUENCE V PISTONS																		-1.59
F1-4-4-CAL. SEQUENCE V PISTONS																		-1.10
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.04	-1.20	0.68	0.88	-0.73	-0.92	0.80	0.97	0.08	-1.20	0.81	-0.89	-0.56	1.11	0.06	-0.18	0.61	-1.59
MINIMUM	0.00	-0.13	-0.08	-0.03	0.09	0.05	0.01	-0.04	0.08	-0.16	0.08	-0.71	-0.32	-0.65	0.06	-0.18	0.61	-0.15
RANGE(MAX-MIN)	1.040	-1.070	0.760	0.910	-0.820	-0.970	0.790	1.010	0.000	-1.040	0.730	-0.180	-0.240	1.760	0.000	0.000	0.000	-1.440
MEAN	0.317	-0.363	0.043	0.425	-0.134	-0.311	0.225	0.072	0.080	-0.237	0.230	-0.800	-0.440	0.230	0.060	-0.180	0.610	-1.000
STANDARD DEVIATION	0.573	0.521	0.420	0.643	0.545	0.456	0.437	0.777	0.000	0.927	0.543	0.127	0.170	1.245	0.000	0.000	0.000	0.607

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Guarda, Waldyr

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	0.83	-0.94	-0.44	-0.06	-0.04	-0.40	-0.86	0.74										
A2-KEystone	3.65	2.41	0.08		0.26	1.68		2.13	1.63	1.89	1.64	0.79	2.92	1.11				
A3-C13-STYLE	0.80	1.11	0.89		0.15	1.06	1.06			-0.34	0.13							
A4-SQUARE CUT	0.43	0.39	-0.08	-0.05	0.11	0.38	-0.79	1.10										
A5-SEQUENCE III	1.44	0.64	-0.05		0.66	0.31					2.40				-0.14	3.12		
A6-ARTICULATED 2-PIECE	3.18	-0.10	-1.02		0.09	0.97	0.15	2.35		0.29	-0.27	1.13	-0.14	0.31			-0.86	
B1-SQUARE CUT	0.29	-0.07	-0.68	-0.43	1.23	0.96	1.19	0.37										
B2-KEystone	0.21	0.00	1.76		0.27	1.49		0.75	0.93	0.61	1.24	1.78	-0.25	-0.43				
B3-C13-STYLE	0.03	1.60	0.64		0.32	-0.62	-1.27			0.59	0.92							
B4-SQUARE CUT	0.59	-0.07	-0.63	0.09	-0.91	0.15	-0.08	0.87										
B5-SEQUENCE III	-0.13	0.82	-0.23		0.23	-0.09					1.15				0.82	0.10		
B6-ARTICULATED 2-PIECE	0.35	0.89	-1.28		0.20	1.13	-0.35	-0.40		-0.34	0.71	-0.27	-0.35	-0.44			0.95	
C1-SQUARE CUT	0.56	0.74	-0.16	2.24	0.74	0.83	0.40	1.39										
C2-KEystone																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.29	-0.07	-0.15		0.22	1.31		-1.51										
CAL1B-CALIBRATION PISTON	0.07	0.43	-0.43		0.99	1.48		1.95										
CAL1C-CALIBRATION PISTON	1.18	-0.16	-0.45		1.75	0.00		0.48										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		-0.52
E1-4-2-CAL. SEQUENCE V PISTONS																		-0.22
E1-4-3-CAL. SEQUENCE V PISTONS																		-1.52
E1-4-4-CAL. SEQUENCE V PISTONS																		-1.42
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		-0.53
P1-8-2-SEQ V PISTONS(TH ONLY)																		-0.30
P1-8-3-SEQ V PISTONS(TH ONLY)																		-1.33
P1-8-4-SEQ V PISTONS(TH ONLY)																		-0.85
P1-8-5-SEQ V PISTONS(TH ONLY)																		-1.45
P1-8-6-SEQ V PISTONS(TH ONLY)																		-0.42
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.23
P1-8-8-SEQ V PISTONS(TH ONLY)																		-0.53
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.24
R1-8-2-SEQ V PISTONS(TH ONLY)																		-0.03
R1-8-3-SEQ V PISTONS(TH ONLY)																		-0.22
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.12
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.22
R1-8-6-SEQ V PISTONS(TH ONLY)																		-0.41
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.28
R1-8-8-SEQ V PISTONS(TH ONLY)																		-0.12
MAXIMUM	3.65	2.41	1.76	2.24	1.75	1.68	-1.27	2.35	1.63	1.89	2.40	1.78	2.92	1.11	0.82	3.12	0.95	-1.52
MINIMUM	0.03	0.00	-0.05	-0.05	-0.04	0.00	-0.08	0.37	0.93	0.29	0.13	-0.27	-0.14	0.31	-0.14	0.10	-0.86	-0.03
RANGE(MAX-MIN)	3.620	2.410	1.810	2.290	1.790	1.680	-1.190	1.980	0.700	1.600	2.270	2.050	3.060	0.800	0.960	3.020	1.810	-1.490
MEAN	0.861	0.476	-0.139	0.358	0.392	0.665	-0.061	0.852	1.280	0.450	0.990	0.858	0.545	0.138	0.340	1.610	0.045	-0.467
STANDARD DEVIATION	1.083	0.803	0.740	1.070	0.597	0.714	0.851	1.086	0.495	0.824	0.837	0.857	1.586	0.737	0.679	2.135	1.280	0.571

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	0.16	0.66	-0.33	-0.24	0.49	-1.76	-1.74	1.68										
A2-KEYSTONE	-0.26	-0.32	-0.14		0.33	-0.43		0.13	0.14	0.67	-0.47	-0.17	-0.32	-0.60				
A3-C13-STYLE	-1.28	-0.36	0.16		0.85	-0.36	-0.06			0.11	1.31							
A4-SQUARE CUT	-1.20	0.33	-0.22	-0.28	0.54	-1.42	-1.55	0.20										
A5-SEQUENCE III	-0.45	0.33	-1.43		1.12	1.24					-0.37				0.19	-0.07		
A6-ARTICULATED 2-PIECE	-0.75	-0.50	-1.26		1.63	1.34	-0.84	0.09		0.22	1.29	0.45	0.00	-0.65			0.80	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	-0.84	-0.89	-1.08	0.74	0.06	-0.31	-0.59	-0.24										
C2-KEYSTONE	-0.76	-1.06	-0.40		1.82	-0.60		-0.26	-0.32	0.22	-1.10	-0.40	-0.55	-0.57				
C3-C13-STYLE	-1.51	-0.88	0.29		0.45	0.55	-0.65			0.07	2.21							
C4-SQUARE CUT	0.44	-1.17	-0.73	-0.12	0.58	-1.06	-0.59	0.90										
C5-SEQUENCE III	-0.96	-0.67	-1.20		-0.09	0.34					-0.60				-0.35	-0.19		
C6-ARTICULATED 2-PIECE	-1.02	-0.74	-0.79		1.10	-0.31	-0.75	-0.77		-0.41	0.32	1.18	-0.65	-0.34			-0.40	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	-1.18	-0.24	-0.33		0.55	-0.10		-1.06										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		1.21
F1-4-2-CAL. SEQUENCE V PISTONS																		1.90
F1-4-3-CAL. SEQUENCE V PISTONS																		1.68
F1-4-4-CAL. SEQUENCE V PISTONS																		1.96
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.51	-1.17	-1.43	0.74	1.82	-1.76	-1.74	1.68	-0.32	0.67	2.21	1.18	-0.65	-0.65	-0.35	-0.19	0.80	1.96
MINIMUM	0.16	-0.24	-0.14	-0.12	0.06	-0.10	-0.06	0.09	0.14	0.07	0.32	-0.17	0.00	-0.34	0.19	-0.07	-0.40	1.21
RANGE(MAX-MIN)	-1.670	-0.930	-1.290	0.860	1.760	-1.660	-1.680	1.590	-0.460	0.600	1.890	1.350	-0.650	-0.310	-0.540	-0.120	1.200	0.750
MEAN	-0.739	-0.424	-0.574	0.025	0.725	-0.222	-0.846	0.074	-0.090	0.147	0.324	0.265	-0.380	-0.540	-0.080	-0.130	0.200	1.688
STANDARD DEVIATION	0.573	0.571	0.553	0.481	0.563	0.923	0.547	0.828	0.325	0.347	1.162	0.708	0.289	0.137	0.382	0.085	0.849	0.340

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Holland, Stephen

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-SEQUENCE III																			
B6-ARTICULATED 2-PIECE																			
C1-SQUARE CUT	-0.55	-0.99	0.76	0.74	-1.22	-0.61	-0.26	-1.05											
C2-KEYSTONE	-0.76	1.28	-0.47		-0.49	0.17	-0.79	0.52	-0.87	-0.32	1.21	-0.55	2.83						
C3-C13-STYLE	-0.37	-1.23	-0.88		-0.45	-0.68	0.16		0.08	-0.29									
C4-SQUARE CUT	0.60	-0.58	-0.22	-0.12	-0.33	0.25	0.57	0.45											
C5-SEQUENCE III	-1.29	0.64	-0.31		0.39	-0.34				-0.42					-0.74	-0.62			
C6-ARTICULATED 2-PIECE	-0.70	-1.00	-0.84		-0.34	-0.49	0.58	-0.85		-0.53	-0.19	-0.20	-0.65	1.49			-0.85		
CAL1A-CALIBRATION PISTON																			
CAL1B-CALIBRATION PISTON	0.45	-0.65	0.76		0.00	-0.40		0.19											
CAL1C-CALIBRATION PISTON																			
D1-4-1-CAL. SEQUENCE V PISTONS																			
D1-4-2-CAL. SEQUENCE V PISTONS																			
D1-4-3-CAL. SEQUENCE V PISTONS																			
D1-4-4-CAL. SEQUENCE V PISTONS																			
E1-4-1-CAL. SEQUENCE V PISTONS																			-0.12
E1-4-2-CAL. SEQUENCE V PISTONS																			-0.06
E1-4-3-CAL. SEQUENCE V PISTONS																			-0.25
E1-4-4-CAL. SEQUENCE V PISTONS																			-0.41
F1-4-1-CAL. SEQUENCE V PISTONS																			
F1-4-2-CAL. SEQUENCE V PISTONS																			
F1-4-3-CAL. SEQUENCE V PISTONS																			
F1-4-4-CAL. SEQUENCE V PISTONS																			
P1-8-1-SEQ V PISTONS(TH ONLY)																			
P1-8-2-SEQ V PISTONS(TH ONLY)																			
P1-8-3-SEQ V PISTONS(TH ONLY)																			
P1-8-4-SEQ V PISTONS(TH ONLY)																			
P1-8-5-SEQ V PISTONS(TH ONLY)																			
P1-8-6-SEQ V PISTONS(TH ONLY)																			
P1-8-7-SEQ V PISTONS(TH ONLY)																			
P1-8-8-SEQ V PISTONS(TH ONLY)																			
Q1-8-1-SEQ V PISTONS(TH ONLY)																			
Q1-8-2-SEQ V PISTONS(TH ONLY)																			
Q1-8-3-SEQ V PISTONS(TH ONLY)																			
Q1-8-4-SEQ V PISTONS(TH ONLY)																			
Q1-8-5-SEQ V PISTONS(TH ONLY)																			
Q1-8-6-SEQ V PISTONS(TH ONLY)																			
Q1-8-7-SEQ V PISTONS(TH ONLY)																			
Q1-8-8-SEQ V PISTONS(TH ONLY)																			
R1-8-1-SEQ V PISTONS(TH ONLY)																			
R1-8-2-SEQ V PISTONS(TH ONLY)																			
R1-8-3-SEQ V PISTONS(TH ONLY)																			
R1-8-4-SEQ V PISTONS(TH ONLY)																			
R1-8-5-SEQ V PISTONS(TH ONLY)																			
R1-8-6-SEQ V PISTONS(TH ONLY)																			
R1-8-7-SEQ V PISTONS(TH ONLY)																			
R1-8-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	-1.29	1.28	-0.88	0.74	-1.22	-0.68	0.58	-1.05	0.52	-0.87	-0.42	1.21	-0.65	2.83	-0.74	-0.62	-0.85	-0.41	
MINIMUM	-0.37	-0.58	-0.22	-0.12	0.00	0.17	0.16	0.19	0.52	0.08	-0.19	-0.20	-0.55	1.49	-0.74	-0.62	-0.85	-0.06	
RANGE(MAX-MIN)	-0.920	1.860	-0.660	0.860	-1.220	-0.850	0.420	-1.240	0.000	-0.950	-0.230	1.410	-0.100	1.340	0.000	0.000	0.000	-0.350	
MEAN	-0.374	-0.361	-0.171	0.310	-0.349	-0.300	0.263	-0.410	0.520	-0.440	-0.305	0.505	-0.600	2.160	-0.740	-0.620	-0.850	-0.210	
STANDARD DEVIATION	0.677	0.947	0.683	0.608	0.493	0.368	0.400	0.680	0.000	0.481	0.095	0.997	0.071	0.948	0.000	0.000	0.000	0.155	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Hurst, Kevin R.

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	1.53	0.29	0.05		-0.34	-0.54					-0.37				-0.44	-0.18		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.41	-0.10	-0.01	-0.14	0.25	-0.64	-0.39	0.06										
B2-KEYSTONE	-0.02	0.00	0.53		-0.49	-0.09		-0.48	0.80	-0.74	-0.76	-1.29	-0.25	-0.43				
B3-C13-STYLE	0.22	0.19	-0.94		-1.23	0.50	1.16			-0.14	0.07							
B4-SQUARE CUT	0.55	0.23	0.39	2.32	0.72	0.69	0.42	0.74										
B5-SEQUENCE III	-0.47	0.61	0.41		0.05	-0.12					-1.07				-1.38	0.10		
B6-ARTICULATED 2-PIECE	0.37	0.21	-0.25		-0.16	0.43	-0.24	0.84		0.31	-0.05	-1.07	0.31	-0.82			0.40	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III	0.44	-0.51	0.36		0.20	-0.44					-0.63				-0.78	-0.27		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON	0.59	0.36	1.47		0.21	0.18		1.36										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		-2.72
E1-4-2-CAL. SEQUENCE V PISTONS																		-2.74
E1-4-3-CAL. SEQUENCE V PISTONS																		-1.96
E1-4-4-CAL. SEQUENCE V PISTONS																		-1.38
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		-1.80
P1-8-2-SEQ V PISTONS(TH ONLY)																		-0.96
P1-8-3-SEQ V PISTONS(TH ONLY)																		-1.04
P1-8-4-SEQ V PISTONS(TH ONLY)																		-1.14
P1-8-5-SEQ V PISTONS(TH ONLY)																		-0.52
P1-8-6-SEQ V PISTONS(TH ONLY)																		-0.05
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.52
P1-8-8-SEQ V PISTONS(TH ONLY)																		0.78
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-1.13
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-1.28
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-1.05
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-0.50
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-1.12
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-0.21
Q1-8-7-SEQ V PISTONS(TH ONLY)																		0.07
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.14
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.53	0.61	1.47	2.32	-1.23	0.69	1.16	1.36	0.80	-0.74	-1.07	-1.29	0.31	-0.82	-1.38	-0.27	0.40	-2.74
MINIMUM	-0.02	0.00	-0.01	-0.14	0.05	-0.09	-0.24	0.06	0.80	-0.14	-0.05	-1.07	-0.25	-0.43	-0.44	0.10	0.40	-0.05
RANGE(MAX-MIN)	1.550	0.610	1.480	2.460	-1.280	0.780	1.400	1.300	0.000	-0.600	-1.020	-0.220	0.560	-0.390	-0.940	-0.370	0.000	-2.690
MEAN	0.402	0.142	0.223	1.090	-0.088	-0.003	0.238	0.504	0.800	-0.190	-0.468	-1.180	0.030	-0.625	-0.867	-0.117	0.400	-0.905
STANDARD DEVIATION	0.537	0.318	0.651	1.739	0.558	0.482	0.709	0.719	0.000	0.527	0.435	0.156	0.396	0.276	0.476	0.193	0.000	0.962

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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																		
A2-KEYSTONE																		
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III	-0.71	0.55	-0.27		-0.07	0.17					2.26				0.00	-0.34		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.21	-1.22	-0.27	-0.22	-0.65	-0.35	0.00	-0.09										
B2-KEYSTONE	-0.30	0.00	-0.81		-0.39	-0.16		-0.32	-0.89	0.06	0.00	0.03	-0.25	2.77				
B3-C13-STYLE	-0.85	-0.26	-0.02		0.02	-0.12	0.15			0.45	1.73							
B4-SQUARE CUT	-0.13	-0.20	-0.53	0.05	-1.21	-0.25	-0.20	-0.05										
B5-SEQUENCE III	-0.64	-0.55	-0.53		-0.06	-0.35					0.95				-0.31	-0.24		
B6-ARTICULATED 2-PIECE	0.07	-0.05	-0.32		-0.30	-1.09	-0.73	0.08		0.58	2.04	-0.15	0.57	0.13			0.35	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT	0.19	-0.58	0.29	2.11	-0.38	-0.32	-0.27	-0.30										
C5-SEQUENCE III	0.28	1.13	-0.56		0.02	-0.40					1.73				-0.32	-0.54		
C6-ARTICULATED 2-PIECE	0.04	0.36	-0.22		0.16	-0.74	0.61	0.21		-0.45	-0.41	-0.43	-0.65	-0.34			0.69	
CAL1A-CALIBRATION PISTON	0.67	-0.22	-0.41		0.36	1.64		0.54										
CAL1B-CALIBRATION PISTON	0.08	0.09	-0.91		0.48	0.35		-0.58										
CAL1C-CALIBRATION PISTON	-0.14	0.19	-0.09		-0.02	-0.67		-1.06										
D1-4-1-CAL. SEQUENCE V PISTONS																		0.73
D1-4-2-CAL. SEQUENCE V PISTONS																		0.83
D1-4-3-CAL. SEQUENCE V PISTONS																		0.47
D1-4-4-CAL. SEQUENCE V PISTONS																		0.24
E1-4-1-CAL. SEQUENCE V PISTONS																		-0.22
E1-4-2-CAL. SEQUENCE V PISTONS																		-0.22
E1-4-3-CAL. SEQUENCE V PISTONS																		0.26
E1-4-4-CAL. SEQUENCE V PISTONS																		0.46
F1-4-1-CAL. SEQUENCE V PISTONS																		-0.19
F1-4-2-CAL. SEQUENCE V PISTONS																		-0.22
F1-4-3-CAL. SEQUENCE V PISTONS																		-0.35
F1-4-4-CAL. SEQUENCE V PISTONS																		-0.20
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-0.85	-1.22	-0.91	2.11	-1.21	1.64	-0.73	-1.06	-0.89	0.58	2.26	-0.43	-0.65	2.77	-0.32	-0.54	0.69	0.83
MINIMUM	0.04	0.00	-0.02	0.05	0.02	-0.12	0.00	-0.05	-0.89	0.06	0.00	0.03	-0.25	0.13	0.00	-0.24	0.35	-0.19
RANGE(MAX-MIN)	-0.890	-1.220	-0.890	2.060	-1.230	1.760	-0.730	-1.010	0.000	0.520	2.260	-0.460	-0.400	2.640	-0.320	-0.300	0.340	1.020
MEAN	-0.095	-0.058	-0.358	0.647	-0.157	-0.176	-0.073	-0.174	-0.890	0.160	1.186	-0.183	-0.110	0.853	-0.210	-0.373	0.520	0.133
STANDARD DEVIATION	0.435	0.577	0.323	1.274	0.442	0.660	0.449	0.465	0.000	0.463	1.040	0.232	0.622	1.676	0.182	0.153	0.240	0.417

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Kuipers, Jacques

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	-0.49	0.07	-0.60	-1.09	-0.78	1.55	1.52	-1.91										
A2-KEYSTONE																		
A3-C13-STYLE	1.31	-0.29	0.16		1.42	-0.40	0.71			-0.76	0.81							
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE	0.83	-0.50	2.16		-0.83	-0.56	-0.78	-0.55		1.46	0.92	-0.89	1.26	-0.65			0.63	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.08	1.13	1.30	-0.77	0.78	2.03	2.20	0.17										
C2-KEYSTONE	-0.03	-0.04	-0.26		-0.08	1.80		0.20	-1.03	-0.85	1.69	-0.34	-0.55	-0.57				
C3-C13-STYLE	1.47	-0.85	0.46		1.86	0.28	0.88			0.59	-0.01							
C4-SQUARE CUT	0.45	0.77	-1.24	-1.23	-0.12	0.99	1.12	1.95										
C5-SEQUENCE III	-0.05	1.95	2.82		0.53	-0.24					-0.24				-0.32	-0.71		
C6-ARTICULATED 2-PIECE	-0.46	1.61	0.94		-0.19	2.08	2.11	0.21		1.20	-0.19	0.03	-0.65	-0.34			1.53	
CAL1A-CALIBRATION PISTON	1.81	-0.21	-0.50		1.91	1.44		0.46										
CAL1B-CALIBRATION PISTON	1.21	1.38	-0.91		0.73	1.48		-0.39										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		0.36
D1-4-2-CAL. SEQUENCE V PISTONS																		0.61
D1-4-3-CAL. SEQUENCE V PISTONS																		0.84
D1-4-4-CAL. SEQUENCE V PISTONS																		1.24
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-1.03
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.81
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-0.26
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-1.52
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.17
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-1.80
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-2.05
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-1.82
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.05
R1-8-2-SEQ V PISTONS(TH ONLY)																		-0.22
R1-8-3-SEQ V PISTONS(TH ONLY)																		-0.69
R1-8-4-SEQ V PISTONS(TH ONLY)																		-0.33
R1-8-5-SEQ V PISTONS(TH ONLY)																		-0.36
R1-8-6-SEQ V PISTONS(TH ONLY)																		-0.35
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.16
R1-8-8-SEQ V PISTONS(TH ONLY)																		-0.18
MAXIMUM	1.81	1.95	2.82	-1.23	1.91	2.08	2.20	1.95	-1.03	1.46	1.69	-0.89	1.26	-0.65	-0.32	-0.71	1.53	-2.05
MINIMUM	-0.03	-0.04	0.16	-0.77	-0.08	-0.24	0.71	0.17	-1.03	0.59	-0.01	0.03	-0.55	-0.34	-0.32	-0.71	0.63	0.05
RANGE(MAX-MIN)	1.840	1.990	2.660	-0.460	1.990	2.320	1.490	1.780	0.000	0.870	1.700	-0.920	1.810	-0.310	0.000	0.000	0.900	-2.100
MEAN	0.557	0.456	0.394	-1.030	0.475	0.950	1.109	0.018	-1.030	0.328	0.497	-0.400	0.020	-0.520	-0.320	-0.710	1.080	-0.352
STANDARD DEVIATION	0.810	0.948	1.295	0.236	0.970	1.001	1.012	1.084	0.000	1.082	0.771	0.463	1.075	0.161	0.000	0.000	0.636	0.920

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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																			
A2-KEYSTONE																			
A3-C13-STYLE																			
A4-SQUARE CUT																			
A5-SEQUENCE III																			
A6-ARTICULATED 2-PIECE																			
B1-SQUARE CUT	0.27	0.69	0.67	0.28	0.02	-0.07	-0.22	0.06											
B2-KEYSTONE	-0.14	0.00	-0.68		-0.16	-0.59		0.26	-0.69	0.46	-0.60	0.46	-0.25	-0.43					
B3-C13-STYLE	0.79	1.58	0.13		0.44	1.16	-0.58			2.30	-0.68								
B4-SQUARE CUT	0.70	1.16	-0.12	-0.74	-1.21	-0.61	-0.84	0.87											
B5-SEQUENCE III	-0.69	-0.59	-0.66		0.14	-0.30					1.00				0.47	-0.47			
B6-ARTICULATED 2-PIECE	0.32	-0.02	-0.18		-0.15	0.67	-0.40	-0.11		-1.61	-0.81	0.19	-1.61	0.32				-0.73	
C1-SQUARE CUT																			
C2-KEYSTONE																			
C3-C13-STYLE																			
C4-SQUARE CUT																			
C5-SEQUENCE III																			
C6-ARTICULATED 2-PIECE																			
CAL1A-CALIBRATION PISTON	0.70	-0.23	0.38		1.22	-0.93		0.24											
CAL1B-CALIBRATION PISTON																			
CAL1C-CALIBRATION PISTON																			
D1-4-1-CAL. SEQUENCE V PISTONS																			
D1-4-2-CAL. SEQUENCE V PISTONS																			
D1-4-3-CAL. SEQUENCE V PISTONS																			
D1-4-4-CAL. SEQUENCE V PISTONS																			
E1-4-1-CAL. SEQUENCE V PISTONS																			1.31
E1-4-2-CAL. SEQUENCE V PISTONS																			0.94
E1-4-3-CAL. SEQUENCE V PISTONS																			1.14
E1-4-4-CAL. SEQUENCE V PISTONS																			0.97
F1-4-1-CAL. SEQUENCE V PISTONS																			
F1-4-2-CAL. SEQUENCE V PISTONS																			
F1-4-3-CAL. SEQUENCE V PISTONS																			
F1-4-4-CAL. SEQUENCE V PISTONS																			
P1-8-1-SEQ V PISTONS(TH ONLY)																			
P1-8-2-SEQ V PISTONS(TH ONLY)																			
P1-8-3-SEQ V PISTONS(TH ONLY)																			
P1-8-4-SEQ V PISTONS(TH ONLY)																			
P1-8-5-SEQ V PISTONS(TH ONLY)																			
P1-8-6-SEQ V PISTONS(TH ONLY)																			
P1-8-7-SEQ V PISTONS(TH ONLY)																			
P1-8-8-SEQ V PISTONS(TH ONLY)																			
Q1-8-1-SEQ V PISTONS(TH ONLY)																			
Q1-8-2-SEQ V PISTONS(TH ONLY)																			
Q1-8-3-SEQ V PISTONS(TH ONLY)																			
Q1-8-4-SEQ V PISTONS(TH ONLY)																			
Q1-8-5-SEQ V PISTONS(TH ONLY)																			
Q1-8-6-SEQ V PISTONS(TH ONLY)																			
Q1-8-7-SEQ V PISTONS(TH ONLY)																			
Q1-8-8-SEQ V PISTONS(TH ONLY)																			
R1-8-1-SEQ V PISTONS(TH ONLY)																			
R1-8-2-SEQ V PISTONS(TH ONLY)																			
R1-8-3-SEQ V PISTONS(TH ONLY)																			
R1-8-4-SEQ V PISTONS(TH ONLY)																			
R1-8-5-SEQ V PISTONS(TH ONLY)																			
R1-8-6-SEQ V PISTONS(TH ONLY)																			
R1-8-7-SEQ V PISTONS(TH ONLY)																			
R1-8-8-SEQ V PISTONS(TH ONLY)																			
MAXIMUM	0.79	1.58	-0.68	-0.74	1.22	1.16	-0.84	0.87	-0.69	2.30	1.00	0.46	-1.61	-0.43	0.47	-0.47	-0.73	1.31	
MINIMUM	-0.14	0.00	-0.12	0.28	0.02	-0.07	-0.22	0.06	-0.69	0.46	-0.60	0.19	-0.25	0.32	0.47	-0.47	-0.73	0.94	
RANGE(MAX-MIN)	0.930	1.580	-0.560	-1.020	1.200	1.230	-0.620	0.810	0.000	1.840	1.600	0.270	-1.360	-0.750	0.000	0.000	0.000	0.370	
MEAN	0.279	0.370	-0.066	-0.230	0.043	-0.096	-0.510	0.264	-0.690	0.383	-0.273	0.325	-0.930	-0.055	0.470	-0.470	-0.730	1.090	
STANDARD DEVIATION	0.537	0.792	0.504	0.721	0.730	0.754	0.265	0.371	0.000	1.956	0.853	0.191	0.962	0.530	0.000	0.000	0.000	0.171	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lonsway, Chris

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	-0.80	1.84	2.44	3.18	-0.15	0.55	0.49	-0.04										
A2-KEYSTONE	0.00	-0.24	1.84		-0.37	0.37		-0.37	2.58	0.07	0.30	-1.35	-0.32	2.81				
A3-C13-STYLE	-0.36	1.27	0.29		0.51	1.03	0.28			0.20	-0.68							
A4-SQUARE CUT	-1.93	1.25	0.81	0.06	-0.33	0.48	1.14	-2.32										
A5-SEQUENCE III	-0.02	0.55	0.23		0.58	-0.82					-0.38				0.93	-0.18		
A6-ARTICULATED 2-PIECE	-1.05	1.12	-1.02		-0.48	-1.33	-0.78	-1.20		-0.76	-0.08	-0.55	0.00	-0.65			0.03	
B1-SQUARE CUT																		
B2-KEYSTONE	-0.58	0.00	0.91		-0.23	-0.18		-0.40	1.07	0.19	-0.48	-0.85	-0.25	-0.43				
B3-C13-STYLE																		
B4-SQUARE CUT	0.70	1.28	-0.12	-0.74	0.70	-0.64	0.33	-1.12										
B5-SEQUENCE III																		
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	0.39	-0.06	-0.06		-0.63	0.29		1.15										
CAL1B-CALIBRATION PISTON	0.39	0.72	-0.11		0.36	-0.52		0.78										
CAL1C-CALIBRATION PISTON	-0.58	1.14	-0.09		0.26	1.40		-0.40										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		0.21
E1-4-2-CAL. SEQUENCE V PISTONS																		0.44
E1-4-3-CAL. SEQUENCE V PISTONS																		0.50
E1-4-4-CAL. SEQUENCE V PISTONS																		-1.35
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.78
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.83
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-0.01
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-0.34
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.06
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-0.09
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-0.64
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-0.49
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.93	1.84	2.44	3.18	0.70	1.40	1.14	-2.32	2.58	-0.76	-0.68	-1.35	-0.32	2.81	0.93	-0.18	0.03	-1.35
MINIMUM	0.00	0.00	-0.06	0.06	-0.15	-0.18	0.28	-0.04	1.07	0.07	-0.08	-0.55	0.00	-0.43	0.93	-0.18	0.03	-0.01
RANGE(MAX-MIN)	-1.930	1.840	2.500	3.120	0.850	1.580	0.860	-2.280	1.510	-0.830	-0.600	-0.800	-0.320	3.240	0.000	0.000	0.000	-1.340
MEAN	-0.349	0.806	0.465	0.833	0.020	0.057	0.292	-0.436	1.825	-0.075	-0.264	-0.917	-0.190	0.577	0.930	-0.180	0.030	-0.018
STANDARD DEVIATION	0.757	0.670	0.983	2.071	0.472	0.830	0.691	1.046	1.068	0.460	0.382	0.404	0.168	1.937	0.000	0.000	0.000	0.631

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lopez, Frank

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-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.96	-0.04	1.01	0.74	0.78	0.11	0.54	-1.05										
C2-KEYSTONE	-0.76	-0.92	2.32		-0.41	1.42		-0.26	0.47	0.83	1.14	-1.05	-0.55	-0.57				
C3-C13-STYLE	-1.62	-0.63	-0.30		-0.03	0.00	-0.80			0.98	-0.28							
C4-SQUARE CUT	0.35	-1.37	-0.73	-0.12	0.24	0.33	-0.13	-0.15										
C5-SEQUENCE III	1.13	0.47	-0.64		-0.34	-0.40					-0.16				0.04	-0.27		
C6-ARTICULATED 2-PIECE	-0.89	-0.31	-0.73		1.81	-0.55	-0.75	-1.26		0.52	-0.11	-1.35	-0.65	-0.34			1.24	
CAL1A-CALIBRATION PISTON	0.46	-0.23	-0.06		0.88	-1.59		0.84										
CAL1B-CALIBRATION PISTON	0.54	-0.28	-0.11		0.41	-0.16		0.58										
CAL1C-CALIBRATION PISTON	2.22	-0.62	-0.33		0.81	-0.37		0.26										
D1-4-1-CAL. SEQUENCE V PISTONS																		0.88
D1-4-2-CAL. SEQUENCE V PISTONS																		0.83
D1-4-3-CAL. SEQUENCE V PISTONS																		0.07
D1-4-4-CAL. SEQUENCE V PISTONS																		0.16
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		-0.64
P1-8-2-SEQ V PISTONS(TH ONLY)																		-1.12
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.10
P1-8-4-SEQ V PISTONS(TH ONLY)																		0.18
P1-8-5-SEQ V PISTONS(TH ONLY)																		-0.22
P1-8-6-SEQ V PISTONS(TH ONLY)																		-1.61
P1-8-7-SEQ V PISTONS(TH ONLY)																		-1.39
P1-8-8-SEQ V PISTONS(TH ONLY)																		-1.44
Q1-8-1-SEQ V PISTONS(TH ONLY)																		0.40
Q1-8-2-SEQ V PISTONS(TH ONLY)																		0.64
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.40
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-0.16
Q1-8-5-SEQ V PISTONS(TH ONLY)																		0.97
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-0.05
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-0.43
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-0.49
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	2.22	-1.37	2.32	0.74	1.81	-1.59	-0.80	-1.26	0.47	0.98	1.14	-1.35	-0.65	-0.57	0.04	-0.27	1.24	-1.61
MINIMUM	0.35	-0.04	-0.06	-0.12	-0.03	0.00	-0.13	-0.15	0.47	0.52	-0.11	-1.05	-0.55	-0.34	0.04	-0.27	1.24	-0.05
RANGE(MAX-MIN)	1.870	-1.330	2.380	0.860	1.840	-1.590	-0.670	-1.110	0.000	0.460	1.250	-0.300	-0.100	-0.230	0.000	0.000	0.000	-1.560
MEAN	0.266	-0.437	0.048	0.310	0.461	-0.134	-0.285	-0.149	0.470	0.777	0.148	-1.200	-0.600	-0.455	0.040	-0.270	1.240	-0.146
STANDARD DEVIATION	1.179	0.529	1.004	0.608	0.699	0.801	0.629	0.789	0.000	0.235	0.666	0.212	0.071	0.163	0.000	0.000	0.000	0.779

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lowsky, John

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	-2.25	-1.56	0.50	0.71	-0.86	-0.89	-0.93	0.12										
A2-KEystone	-1.69	-1.45	-0.32		-0.75	-0.08		0.88	0.14	-1.04	-0.89	0.68	-0.32	-0.60				
A3-C13-STYLE	-0.49	-1.37	-0.20		-1.32	-0.75	-1.06			-1.71	-1.18							
A4-SQUARE CUT																		
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	-1.63	-1.50	-0.47	-0.64	-0.68	-0.73	-0.59	-1.62										
B2-KEystone	-0.14	0.00	-1.23		-0.14	-0.49		0.75	1.40	-1.12	0.29	1.56	-0.25	-0.43				
B3-C13-STYLE	0.36	-2.24	-0.60		-0.66	-1.14	-0.65			-0.41	-0.56							
B4-SQUARE CUT	-0.41	-0.70	-0.12	0.92	-1.26	0.29	-0.13	0.21										
B5-SEQUENCE III	0.40	0.26	-0.61		-0.45	-0.17					1.29				-2.31	3.53		
B6-ARTICULATED 2-PIECE	-0.18	-0.55	-1.07		-0.57	-1.03	-0.08	0.74		-0.41	-0.69	2.02	-0.42	-0.44			-0.73	
C1-SQUARE CUT	-1.72	-0.71	-0.54	-0.77	-0.91	-0.17	0.03	0.17										
C2-KEystone	2.92	-0.19	0.44		-1.18	-0.07		2.50	0.75	-1.19	-0.67	1.60	-1.49	-0.57				
C3-C13-STYLE	0.11	-0.63	-0.23		-2.14	-0.84	-0.18			0.92	0.87							
C4-SQUARE CUT	-2.05	-0.40	0.09	1.00	-0.52	-0.28	0.01	0.30										
C5-SEQUENCE III	-0.96	0.31	-0.31		-1.02	-0.36					1.64				-0.35	2.03		
C6-ARTICULATED 2-PIECE	-0.86	-1.12	-0.26		-1.09	-0.58	0.30	1.27		0.90	3.24	0.26	-0.65	-0.34			1.44	
CAL1A-CALIBRATION PISTON	-1.75	-0.28	-0.50		0.34	-1.32		-2.57										
CAL1B-CALIBRATION PISTON	-1.86	-0.32	-0.91		-1.37	-0.09		-0.58										
CAL1C-CALIBRATION PISTON	-1.36	-0.60	0.45		0.00	0.06		0.04										
D1-4-1-CAL. SEQUENCE V PISTONS																		0.01
D1-4-2-CAL. SEQUENCE V PISTONS																		0.00
D1-4-3-CAL. SEQUENCE V PISTONS																		0.25
D1-4-4-CAL. SEQUENCE V PISTONS																		0.61
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.11
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-1.12
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-1.59
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-1.09
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.98
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-0.82
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-0.51
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-0.30
R1-8-1-SEQ V PISTONS(TH ONLY)																		-0.15
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.00
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.08
R1-8-4-SEQ V PISTONS(TH ONLY)																		-0.27
R1-8-5-SEQ V PISTONS(TH ONLY)																		-0.17
R1-8-6-SEQ V PISTONS(TH ONLY)																		-0.03
R1-8-7-SEQ V PISTONS(TH ONLY)																		0.05
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.01
MAXIMUM	2.92	-2.24	-1.23	1.00	-2.14	-1.32	-1.06	-2.57	1.40	-1.71	3.24	2.02	-1.49	-0.60	-2.31	3.53	1.44	-1.59
MINIMUM	0.11	0.00	0.09	-0.64	0.00	0.06	0.01	0.04	0.14	-0.41	0.29	0.26	-0.25	-0.34	-0.35	2.03	-0.73	0.00
RANGE(MAX-MIN)	2.810	-2.240	-1.320	1.640	-2.140	-1.380	-1.070	-2.610	1.260	-1.300	2.950	1.760	-1.240	-0.260	-1.960	1.500	2.170	-1.590
MEAN	-0.753	-0.725	-0.327	0.244	-0.810	-0.480	-0.328	0.170	0.763	-0.508	0.334	1.224	-0.626	-0.476	-1.330	2.780	0.355	-0.307
STANDARD DEVIATION	1.257	0.689	0.490	0.874	0.572	0.454	0.451	1.262	0.630	0.972	1.414	0.727	0.506	0.107	1.386	1.061	1.534	0.546

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	0.44	0.58	0.39	0.71	-0.52	-1.04	-1.11	0.59										
A2-KEYSTONE	-0.17	0.19	-0.83		-0.21	-0.59		-0.62	-0.64	-0.90	-0.56	-1.03	-0.32	-0.60				
A3-C13-STYLE																		
A4-SQUARE CUT	0.07	0.58	-0.08	0.09	-0.42	-1.00	-0.83	1.28										
A5-SEQUENCE III	-0.71	-0.41	-0.75		0.40	-0.54					-0.37				0.06	-0.29		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.90	-0.64	-0.54	-0.47	-0.27	-0.21	-0.78	-1.05										
C2-KEYSTONE	-0.76	-0.48	-0.22		-0.89	-0.60		-0.92	-0.61	-0.75	-0.02	-0.85	-0.55	0.57				
C3-C13-STYLE	-0.81	1.43	2.73		1.14	0.00	0.33			-0.16	-0.29							
C4-SQUARE CUT	0.52	0.08	-0.42	0.11	-0.19	-0.45	-0.36	-0.15										
C5-SEQUENCE III	0.54	-1.00	-0.50		0.37	-0.28					-0.30				0.65	0.12		
C6-ARTICULATED 2-PIECE	-0.33	0.90	1.08		1.32	1.21	-0.09	-0.44		-0.20	-0.64	-0.43	-0.65	-0.34			1.12	
CAL1A-CALIBRATION PISTON	-0.06	-0.20	-0.46		0.22	0.18		0.92										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	0.29	0.03	-0.33		0.27	-0.47		-1.27										
D1-4-1-CAL. SEQUENCE V PISTONS																		0.96
D1-4-2-CAL. SEQUENCE V PISTONS																		0.61
D1-4-3-CAL. SEQUENCE V PISTONS																		0.40
D1-4-4-CAL. SEQUENCE V PISTONS																		0.47
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	0.90	1.43	2.73	0.71	1.32	1.21	-1.11	1.28	-0.64	-0.90	-0.64	-1.03	-0.65	-0.60	0.65	-0.29	1.12	0.96
MINIMUM	-0.06	0.03	-0.08	0.09	-0.19	0.00	-0.09	-0.15	-0.61	-0.16	-0.02	-0.43	-0.32	-0.34	0.06	0.12	1.12	0.40
RANGE(MAX-MIN)	0.960	1.400	2.810	0.620	1.510	1.210	-1.020	1.430	-0.030	-0.740	-0.620	-0.600	-0.330	-0.260	0.590	-0.410	0.000	0.560
MEAN	-0.007	0.088	0.006	0.110	0.102	-0.316	-0.473	-0.184	-0.625	-0.503	-0.363	-0.770	-0.507	-0.123	0.355	-0.085	1.120	0.610
STANDARD DEVIATION	0.567	0.696	1.005	0.482	0.656	0.597	0.535	0.914	0.021	0.378	0.220	0.308	0.169	0.614	0.417	0.290	0.000	0.249

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Pitta, Jimmy

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	1.78	1.39	-0.77	0.62	1.24	0.31	0.67	1.21										
A2-KEystone	0.15	1.22	-0.67		1.39	0.74		1.13	0.20	-0.34	-0.51	2.18	-0.32	-0.60				
A3-C13-STYLE	1.62	0.29	0.58		0.54	0.31	0.71			0.78	-1.63							
A4-SQUARE CUT	0.96	0.11	-0.78	-0.01	1.15	0.02	0.90	-0.52										
A5-SEQUENCE III	-0.02	-2.15	0.67		1.25	1.45					-0.38				-0.30	-0.72		
A6-ARTICULATED 2-PIECE	0.90	1.19	-0.16		-0.09	0.49	-0.56	0.96		-0.05	-1.58	0.79	1.12	-0.65			-0.45	
B1-SQUARE CUT																		
B2-KEystone																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.47	-0.89	-0.79	-0.77	-0.59	-0.97	-0.01	0.17										
C2-KEystone	0.71	2.59	-0.61		-0.28	-1.00		-0.13	-1.03	0.39	0.78	2.11	0.39	-0.57				
C3-C13-STYLE	1.44	0.27	-0.29		-0.21	-0.59	0.54			-0.53	-1.26							
C4-SQUARE CUT	0.62	0.55	-1.24	-1.23	-0.81	-0.76	-0.27	0.60										
C5-SEQUENCE III	0.31	0.80	0.24		0.85	-0.44					0.96				-0.67	-0.71		
C6-ARTICULATED 2-PIECE	0.60	-0.17	0.98		0.23	0.10	-1.20	0.86		0.28	-0.87	0.72	-0.65	-0.34			-0.73	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	0.85	-0.08	-0.45		-0.49	-0.69		1.14										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	1.78	2.59	-1.24	-1.23	1.39	1.45	-1.20	1.21	-1.03	0.78	-1.63	2.18	1.12	-0.65	-0.67	-0.72	-0.73	
MINIMUM	-0.02	-0.08	-0.16	-0.01	-0.09	0.02	-0.01	-0.13	0.20	-0.05	-0.38	0.72	-0.32	-0.34	-0.30	-0.71	-0.45	
RANGE(MAX-MIN)	1.800	2.670	-1.080	-1.220	1.480	1.430	-1.190	1.340	-1.230	0.830	-1.250	1.460	1.440	-0.310	-0.370	-0.010	-0.280	
MEAN	0.799	0.394	-0.253	-0.348	0.322	-0.079	0.098	0.602	-0.415	0.088	-0.561	1.450	0.135	-0.540	-0.485	-0.715	-0.590	
STANDARD DEVIATION	0.548	1.158	0.675	0.818	0.788	0.739	0.737	0.624	0.870	0.488	0.994	0.804	0.787	0.137	0.262	0.007	0.198	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Plaizier, Gert

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	-0.27	0.78	-0.82	-1.09	-0.86	1.44	0.96	-1.45										
A2-KEystone	0.01	-1.08	-0.63		-0.87	-0.43		-1.12	-1.00	-0.73	-1.13	-1.24	-0.32	-0.60				
A3-C13-STYLE	0.68	-0.88	-0.20		-2.66	-1.13	-0.29			0.69	0.81							
A4-SQUARE CUT	0.49	-0.34	-0.88	-0.60	-1.18	2.49	1.34	-0.88										
A5-SEQUENCE III	-0.71	0.51	2.42		0.13	-0.25					-0.59				-0.67	-0.72		
A6-ARTICULATED 2-PIECE	0.21	1.19	2.16		-0.81	-0.39	-0.78	-0.77		0.91	0.92	-0.89	0.56	-0.65			0.63	
B1-SQUARE CUT																		
B2-KEystone																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	-0.24	1.86	1.51	-0.77	0.34	1.93	1.98	-0.24										
C2-KEystone	0.12	-0.33	-0.43		-0.30	1.75		0.07	-1.03	-0.54	1.70	-0.47	0.39	-0.57				
C3-C13-STYLE																		
C4-SQUARE CUT	0.39	1.76	2.84	-1.23	-0.38	0.99	-0.27	-0.75										
C5-SEQUENCE III																		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.08	-0.25	-0.50		-0.18	-0.93		1.15										
CAL1B-CALIBRATION PISTON	0.94	0.79	-0.91		0.44	-0.04		0.19										
CAL1C-CALIBRATION PISTON	0.16	0.03	-0.75		-0.25	-0.56		-0.40										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		0.51
F1-4-2-CAL. SEQUENCE V PISTONS																		0.14
F1-4-3-CAL. SEQUENCE V PISTONS																		0.13
F1-4-4-CAL. SEQUENCE V PISTONS																		-0.29
P1-8-1-SEQ V PISTONS(TH ONLY)																		2.02
P1-8-2-SEQ V PISTONS(TH ONLY)																		1.71
P1-8-3-SEQ V PISTONS(TH ONLY)																		1.89
P1-8-4-SEQ V PISTONS(TH ONLY)																		2.01
P1-8-5-SEQ V PISTONS(TH ONLY)																		2.05
P1-8-6-SEQ V PISTONS(TH ONLY)																		2.00
P1-8-7-SEQ V PISTONS(TH ONLY)																		1.23
P1-8-8-SEQ V PISTONS(TH ONLY)																		1.47
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		1.13
R1-8-2-SEQ V PISTONS(TH ONLY)																		1.29
R1-8-3-SEQ V PISTONS(TH ONLY)																		1.29
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.89
R1-8-5-SEQ V PISTONS(TH ONLY)																		1.13
R1-8-6-SEQ V PISTONS(TH ONLY)																		1.06
R1-8-7-SEQ V PISTONS(TH ONLY)																		1.08
R1-8-8-SEQ V PISTONS(TH ONLY)																		1.21
MAXIMUM	0.94	1.86	2.84	-1.23	-2.66	2.49	1.98	-1.45	-1.03	0.91	1.70	-1.24	0.56	-0.65	-0.67	-0.72	0.63	2.05
MINIMUM	0.01	0.03	-0.20	-0.60	0.13	-0.04	-0.27	0.07	-1.00	-0.54	-0.59	-0.47	-0.32	-0.57	-0.67	-0.72	0.63	0.13
RANGE(MAX-MIN)	0.930	1.830	3.040	-0.630	-2.790	2.530	2.250	-1.520	-0.030	1.450	2.290	-0.770	0.880	-0.080	0.000	0.000	0.000	1.920
MEAN	0.155	0.337	0.318	-0.923	-0.548	0.406	0.490	-0.420	-1.015	0.083	0.342	-0.867	0.210	-0.607	-0.670	-0.720	0.630	1.198
STANDARD DEVIATION	0.445	0.969	1.457	0.289	0.835	1.240	1.092	0.753	0.021	0.837	1.165	0.386	0.467	0.040	0.000	0.000	0.000	0.674

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Ramirez, Manny

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	0.73	-0.88	-1.09	1.46	0.60	0.94	-0.51										
A2-KEYSTONE	-0.35	0.59	3.32		3.59	3.42		1.50	1.99	1.12	-0.91	0.15	-0.32	-0.60				
A3-C13-STYLE	-1.30	2.85	-3.32		0.34	2.70	-2.61			1.34	-1.63							
A4-SQUARE CUT	-0.97	0.25	2.91	3.98	0.51	1.32	-0.19	-1.42										
A5-SEQUENCE III	2.73	0.29	-0.81		0.49	0.74					-0.71				3.99	1.99		
A6-ARTICULATED 2-PIECE	-0.20	1.93	-1.04		1.07	-1.10	-1.21	1.06		-0.06	-2.08	1.80	-0.84	0.31			-2.28	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	1.15	1.10	0.47	-0.77	1.68	-0.67	0.36	0.17										
C2-KEYSTONE	-0.25	0.40	-1.30		2.55	-1.09		0.07	2.72	2.66	-0.85	-0.40	2.27	1.13				
C3-C13-STYLE	-0.53	-0.11	-1.22		-0.99	2.23	-1.19			1.73	-1.26							
C4-SQUARE CUT	0.58	0.09	1.31	1.00	-0.08	2.73	3.45	1.05										
C5-SEQUENCE III	2.62	0.47	-0.64		0.42	3.27					-1.07				-0.67	0.55		
C6-ARTICULATED 2-PIECE	-1.30	2.22	-1.56		0.27	-0.38	-1.20	-0.77		1.09	-0.28	2.56	1.44	-0.34			-0.90	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	1.03	-2.45	1.80		0.47	2.36		1.58										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	2.73	2.85	3.32	3.98	3.59	3.42	3.45	1.58	2.72	2.66	-2.08	2.56	2.27	1.13	3.99	1.99	-2.28	
MINIMUM	-0.20	0.09	0.47	-0.77	-0.08	-0.38	-0.19	0.07	1.99	-0.06	-0.28	0.15	-0.32	0.31	-0.67	0.55	-0.90	
RANGE(MAX-MIN)	2.930	2.760	2.850	4.750	3.670	3.800	3.640	1.510	0.730	2.720	-1.800	2.410	2.590	0.820	4.660	1.440	-1.380	
MEAN	0.172	0.643	-0.074	0.780	0.906	1.241	-0.206	0.303	2.355	1.313	-1.099	1.028	0.638	0.125	1.660	1.270	-1.590	
STANDARD DEVIATION	1.367	1.292	1.918	2.323	1.186	1.666	1.842	1.063	0.516	0.890	0.559	1.385	1.462	0.772	3.295	1.018	0.976	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Richerson, Jay

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	-1.59	0.22	-0.77	-0.66	-1.56	2.15	1.14	-0.35										
A2-KEYSTONE																		
A3-C13-STYLE	-0.41	0.35	0.52		0.70	0.08	0.26			-1.39	-0.18							
A4-SQUARE CUT	-1.94	-0.98	-0.95	-0.55	-2.10	0.95	1.36	0.74										
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE	0.03	-0.57	0.26		-0.06	1.61	0.54	0.96		-3.17	0.36	-0.55	-2.94	-0.65			0.33	
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.02	0.29	0.34	-0.77	-2.07	1.19	-0.92	-1.05										
C2-KEYSTONE	0.71	-0.69	0.30		-0.35	1.17	-0.92	1.18	1.64	-0.28	-0.11	-0.72	0.39	1.13				
C3-C13-STYLE	-0.16	0.16	0.64		0.20	0.10	-0.04			-1.85	-0.01							
C4-SQUARE CUT	-1.39	-0.53	-1.04	-1.01	-0.53	-0.23	0.20	0.15										
C5-SEQUENCE III	0.62	-0.35	1.74		-0.42	-0.55					-0.61				0.68	-0.71		
C6-ARTICULATED 2-PIECE	0.11	0.25	1.51		-0.91	0.87	0.12	1.10		-0.74	-0.11	0.26	1.44	3.33			-1.00	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON	-1.09	0.90	-0.19		-0.41	0.35		-0.58										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		-1.01
D1-4-2-CAL. SEQUENCE V PISTONS																		-1.26
D1-4-3-CAL. SEQUENCE V PISTONS																		-2.10
D1-4-4-CAL. SEQUENCE V PISTONS																		-1.39
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.94	-0.98	1.74	-1.01	-2.10	2.15	1.36	1.18	1.64	-3.17	-0.61	-0.72	-2.94	3.33	0.68	-0.71	-1.00	-2.10
MINIMUM	0.02	0.16	-0.19	-0.55	-0.06	0.08	-0.04	0.15	1.64	-0.28	-0.01	0.26	0.39	-0.65	0.68	-0.71	0.33	-1.01
RANGE(MAX-MIN)	-1.960	-1.140	1.930	-0.460	-2.040	2.070	1.400	1.030	0.000	-2.890	-0.600	-0.980	-3.330	3.980	0.000	0.000	-1.330	-1.090
MEAN	-0.463	-0.086	0.215	-0.748	-0.683	0.699	0.333	0.269	1.640	-1.486	-0.110	-0.337	-0.370	1.270	0.680	-0.710	-0.335	-1.440
STANDARD DEVIATION	0.903	0.569	0.915	0.197	0.901	0.823	0.710	0.852	0.000	1.117	0.312	0.524	2.287	1.994	0.000	0.000	0.940	0.467



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Rodriguez, Jesus (Jesse)

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	0.90	0.57	-0.33	0.19	-0.60	-0.51	-0.26	-1.29										
A2-KEystone	-0.03	-0.09	-0.34		-0.04	-0.05		0.13	-0.82	-0.43	-0.25	1.97	-0.32	-0.60				
A3-C13-STYLE	0.93	-0.56	0.09		0.27	-1.12	-0.36			-0.03	0.81							
A4-SQUARE CUT	1.24	-0.09	-0.55	0.02	-0.61	0.30	-0.25	-0.34										
A5-SEQUENCE III	-0.71	-0.32	0.13		0.51	2.88					0.18				-0.64	-0.18		
A6-ARTICULATED 2-PIECE	-0.56	-1.48	-0.11		-0.89	1.62	1.48	-1.20		-0.57	0.67	-0.55	-0.42	1.27			0.51	
B1-SQUARE CUT	0.28	0.35	-0.33	-0.77	-0.51	-0.16	-0.70	-1.01										
B2-KEystone																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
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	-0.74	-0.27	-0.28		0.08	-0.37		-0.60										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		0.40
F1-4-2-CAL. SEQUENCE V PISTONS																		0.84
F1-4-3-CAL. SEQUENCE V PISTONS																		0.01
F1-4-4-CAL. SEQUENCE V PISTONS																		0.20
P1-8-1-SEQ V PISTONS(TH ONLY)																		-1.11
P1-8-2-SEQ V PISTONS(TH ONLY)																		-0.85
P1-8-3-SEQ V PISTONS(TH ONLY)																		-0.94
P1-8-4-SEQ V PISTONS(TH ONLY)																		-0.96
P1-8-5-SEQ V PISTONS(TH ONLY)																		0.45
P1-8-6-SEQ V PISTONS(TH ONLY)																		-0.50
P1-8-7-SEQ V PISTONS(TH ONLY)																		-1.03
P1-8-8-SEQ V PISTONS(TH ONLY)																		-1.41
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.20
R1-8-2-SEQ V PISTONS(TH ONLY)																		-0.48
R1-8-3-SEQ V PISTONS(TH ONLY)																		-0.26
R1-8-4-SEQ V PISTONS(TH ONLY)																		-0.21
R1-8-5-SEQ V PISTONS(TH ONLY)																		-0.56
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.01
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.17
R1-8-8-SEQ V PISTONS(TH ONLY)																		-0.21
MAXIMUM	1.24	-1.48	-0.55	-0.77	-0.89	2.88	1.48	-1.29	-0.82	-0.57	0.81	1.97	-0.42	1.27	-0.64	-0.18	0.51	-1.41
MINIMUM	-0.03	-0.09	0.09	0.02	-0.04	-0.05	-0.25	0.13	-0.82	-0.03	0.18	-0.55	-0.32	-0.60	-0.64	-0.18	0.51	0.01
RANGE(MAX-MIN)	1.270	-1.390	-0.640	-0.790	-0.850	2.930	1.730	-1.420	0.000	-0.540	0.630	2.520	-0.100	1.870	0.000	0.000	0.000	-1.420
MEAN	0.164	-0.236	-0.215	-0.187	-0.224	0.324	-0.018	-0.718	-0.820	-0.343	0.353	0.710	-0.370	0.335	-0.640	-0.180	0.510	-0.329
STANDARD DEVIATION	0.797	0.621	0.233	0.512	0.496	1.301	0.857	0.551	0.000	0.280	0.484	1.782	0.071	1.322	0.000	0.000	0.000	0.597

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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																		
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-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	-1.65	-1.17	-0.37	0.74	1.02	-1.19	-1.40	0.99										
C2-KEYSTONE	0.49	0.25	-0.50		0.31	-0.67	-1.40	1.64	0.10	0.20	-0.69	0.50	0.39	1.13				
C3-C13-STYLE	0.74	0.06	-1.02		1.05	-0.48	-1.16			-0.55	-1.26							
C4-SQUARE CUT	0.50	-0.35	0.29	1.00	-0.19	0.55	-0.18	0.15										
C5-SEQUENCE III	-0.41	-0.18	-1.71		1.29	2.22					0.32				0.29	0.16		
C6-ARTICULATED 2-PIECE	1.16	-0.26	-0.78		-1.68	-1.04	-0.06	1.18		-0.44	1.07	-1.12	1.44	-0.34			-0.78	
CAL1A-CALIBRATION PISTON	-0.84	-0.54	-0.06		-0.95	-0.58		0.77										
CAL1B-CALIBRATION PISTON	0.96	-2.25	-0.11		-3.28	-2.71		0.19										
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		0.53
D1-4-2-CAL. SEQUENCE V PISTONS																		0.52
D1-4-3-CAL. SEQUENCE V PISTONS																		1.08
D1-4-4-CAL. SEQUENCE V PISTONS																		1.56
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	-1.65	-2.25	-1.71	1.00	-3.28	-2.71	-1.40	1.64	0.10	-0.55	-1.26	-1.12	1.44	1.13	0.29	0.16	-0.78	1.56
MINIMUM	-0.41	0.06	-0.06	0.74	-0.19	-0.48	-0.06	0.15	0.10	0.20	0.32	0.50	0.39	-0.34	0.29	0.16	-0.78	0.52
RANGE(MAX-MIN)	-1.240	-2.310	-1.650	0.260	-3.090	-2.230	-1.340	1.490	0.000	-0.750	-1.580	-1.620	1.050	1.470	0.000	0.000	0.000	1.040
MEAN	0.119	-0.555	-0.533	0.870	-0.304	-0.488	-0.700	0.820	0.100	-0.263	-0.140	-0.310	0.915	0.395	0.290	0.160	-0.780	0.923
STANDARD DEVIATION	0.985	0.806	0.631	0.184	1.589	1.424	0.679	0.580	0.000	0.405	1.038	1.146	0.742	1.039	0.000	0.000	0.000	0.499

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Schakel, J.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	0.66	-1.19	-0.88	-1.09	2.20	-0.09	0.33	0.12										
A2-KEYSTONE	0.45	-1.49	0.06		0.54	-0.22		-0.87	-0.88	-0.13	1.14	1.01	-0.32	-0.60				
A3-C13-STYLE																		
A4-SQUARE CUT	0.84	-0.12	-0.15	-0.37	0.70	-0.77	-1.19	0.20										
A5-SEQUENCE III																		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.40	0.00	-0.36	-0.85	0.62	0.21	-0.65	-1.01										
B2-KEYSTONE	-0.02	0.00	0.41		-0.41	0.02		-0.73	-1.63	-1.32	1.29	-1.40	-0.25	-0.43				
B3-C13-STYLE	0.76	-0.33	-1.30		1.84	-0.63	-0.96			-1.35	-0.19							
B4-SQUARE CUT	0.61	-0.45	-0.63	2.06	1.77	-0.61	-0.36	-0.45										
B5-SEQUENCE III	1.55	0.18	0.12		0.73	-0.16					-0.75				0.04	-0.36		
B6-ARTICULATED 2-PIECE	1.57	-0.29	-0.05		1.26	-1.21	-0.70	0.17		0.90	0.56	0.53	0.97	1.07			-0.92	
C1-SQUARE CUT	2.17	-0.08	-0.71	-0.77	1.17	0.59	0.10	-0.24										
C2-KEYSTONE	-0.76	-0.48	0.02		-0.65	0.84		-0.13	-0.79	-0.67	0.98	-0.66	0.39	-0.57				
C3-C13-STYLE	1.16	0.39	0.18		0.48	-0.07	-0.61			-0.28	-0.14							
C4-SQUARE CUT	0.44	1.35	1.31	1.00	-0.16	0.90	0.57	-0.15										
C5-SEQUENCE III	-0.10	0.47	-0.21		0.49	-0.36					0.28				3.64	3.21		
C6-ARTICULATED 2-PIECE	2.47	0.42	-0.34		-0.20	0.36	-0.63	1.10		-2.56	-0.15	0.49	-0.65	-0.34			0.32	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	0.58	-0.05	1.50		-2.76	-1.92		0.04										
D1-4-1-CAL. SEQUENCE V PISTONS																		-1.73
D1-4-2-CAL. SEQUENCE V PISTONS																		-1.63
D1-4-3-CAL. SEQUENCE V PISTONS																		-0.56
D1-4-4-CAL. SEQUENCE V PISTONS																		-0.62
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		
R1-8-2-SEQ V PISTONS(TH ONLY)																		
R1-8-3-SEQ V PISTONS(TH ONLY)																		
R1-8-4-SEQ V PISTONS(TH ONLY)																		
R1-8-5-SEQ V PISTONS(TH ONLY)																		
R1-8-6-SEQ V PISTONS(TH ONLY)																		
R1-8-7-SEQ V PISTONS(TH ONLY)																		
R1-8-8-SEQ V PISTONS(TH ONLY)																		
MAXIMUM	2.47	-1.49	1.50	2.06	-2.76	-1.92	-1.19	1.10	-1.63	-2.56	1.29	-1.40	0.97	1.07	3.64	3.21	-0.92	-1.73
MINIMUM	-0.02	0.00	0.02	-0.37	-0.16	0.02	0.10	0.04	-0.79	-0.13	-0.14	0.49	-0.25	-0.34	0.04	-0.36	0.32	-0.56
RANGE(MAX-MIN)	2.490	-1.490	1.480	2.430	-2.600	-1.940	-1.290	1.060	-0.840	-2.430	1.430	-1.890	1.220	1.410	3.600	3.570	-1.240	-1.170
MEAN	0.799	-0.104	-0.064	-0.003	0.476	-0.195	-0.410	-0.163	-1.100	-0.773	0.336	-0.006	0.028	-0.174	1.840	1.425	-0.300	-1.135
STANDARD DEVIATION	0.832	0.659	0.721	1.256	1.187	0.737	0.569	0.571	0.461	1.102	0.702	0.992	0.647	0.703	2.546	2.524	0.877	0.631

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Seiz, Ray

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	1.46	-1.75	0.23	0.11	-0.19	-0.07	0.20	2.15										
A2-KEYSTONE	0.36	1.50	-0.69		-0.51	-0.38		-0.74	0.44	-0.33	2.17	-0.81	2.92	1.11				
A3-C13-STYLE	0.09	-0.98	1.49		-1.65	-0.29	0.94			0.60	0.55							
A4-SQUARE CUT	1.41	2.05	0.08	-0.07	2.08	-0.27	-0.37	1.28										
A5-SEQUENCE III	0.50	0.68	0.19		1.61	1.03					-0.35				0.23	0.36		
A6-ARTICULATED 2-PIECE	0.02	0.84	-0.08		2.73	-1.61	0.34	-0.77		0.61	0.48	-0.55	0.70	1.27			0.41	
B1-SQUARE CUT	-0.12	-0.97	-0.59	-0.93	-0.03	-0.60	-0.52	-1.01										
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT	0.58	-1.70	-0.12	-0.78	0.91	-0.57	-0.72	-0.05										
B5-SEQUENCE III	0.49	0.82	-0.55		0.30	-0.09					-0.73				-0.60	0.10		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT																		
C2-KEYSTONE	-0.76	-0.77	-0.68		-0.73	-0.37		-1.25	-0.09	0.73	-0.60	-1.50	-0.55	-0.57				
C3-C13-STYLE																		
C4-SQUARE CUT	0.06	-0.46	-0.22	0.44	-0.52	-0.98	-0.83	-0.75										
C5-SEQUENCE III	-1.04	1.62	-0.31		0.55	-0.28					-0.56				0.11	-0.27		
C6-ARTICULATED 2-PIECE	-0.74	-0.75	0.20		0.85	-1.33	-0.18	-2.07		1.28	-0.26	-1.58	1.44	-0.34			0.04	
CAL1A-CALIBRATION PISTON																		
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	0.77	-1.34	-0.54		0.04	0.60		-0.62										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		-0.12
F1-4-2-CAL. SEQUENCE V PISTONS																		-0.04
F1-4-3-CAL. SEQUENCE V PISTONS																		0.86
F1-4-4-CAL. SEQUENCE V PISTONS																		0.46
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		2.92
Q1-8-2-SEQ V PISTONS(TH ONLY)																		2.24
Q1-8-3-SEQ V PISTONS(TH ONLY)																		2.74
Q1-8-4-SEQ V PISTONS(TH ONLY)																		2.84
Q1-8-5-SEQ V PISTONS(TH ONLY)																		2.58
Q1-8-6-SEQ V PISTONS(TH ONLY)																		2.00
Q1-8-7-SEQ V PISTONS(TH ONLY)																		2.32
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.43
R1-8-1-SEQ V PISTONS(TH ONLY)																		1.23
R1-8-2-SEQ V PISTONS(TH ONLY)																		1.92
R1-8-3-SEQ V PISTONS(TH ONLY)																		1.80
R1-8-4-SEQ V PISTONS(TH ONLY)																		1.19
R1-8-5-SEQ V PISTONS(TH ONLY)																		1.78
R1-8-6-SEQ V PISTONS(TH ONLY)																		1.47
R1-8-7-SEQ V PISTONS(TH ONLY)																		1.47
R1-8-8-SEQ V PISTONS(TH ONLY)																		1.36
MAXIMUM	1.46	2.05	1.49	-0.93	2.73	-1.61	0.94	2.15	0.44	1.28	2.17	-1.58	2.92	1.27	-0.60	0.36	0.41	2.92
MINIMUM	0.02	-0.46	0.08	-0.07	-0.03	-0.07	-0.18	-0.05	-0.09	-0.33	-0.26	-0.55	-0.55	-0.34	0.11	0.10	0.04	-0.04
RANGE(MAX-MIN)	1.440	2.510	1.410	-0.860	2.760	-1.540	1.120	2.200	0.530	1.610	2.430	-1.030	3.470	1.610	-0.710	0.260	0.370	2.960
MEAN	0.220	-0.086	-0.114	-0.246	0.389	-0.372	-0.143	-0.383	0.175	0.578	0.087	-1.110	1.128	0.368	-0.087	0.063	0.225	1.573
STANDARD DEVIATION	0.745	1.296	0.570	0.588	1.178	0.680	0.600	1.236	0.375	0.579	0.969	0.509	1.450	0.957	0.449	0.317	0.262	0.919

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

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	0.09	0.51	-0.16		-0.77	-0.66		0.26	-0.10	2.56	0.63	0.90	-0.32	1.11				
A3-C13-STYLE																		
A4-SQUARE CUT																		
A5-SEQUENCE III	-0.71	-2.33	1.66		-1.29	-0.75					-0.37				-0.04	-0.18		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT																		
B2-KEYSTONE																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
B6-ARTICULATED 2-PIECE																		
C1-SQUARE CUT	0.65	2.27	-1.04	-0.02	0.79	-0.37	-0.52	0.17										
C2-KEYSTONE	0.71	-0.77	-1.13		-0.62	-0.95		-0.53	-0.32	0.71	0.98	1.02	-0.55	-0.57				
C3-C13-STYLE	0.75	2.59	0.71		-0.76	1.65	2.27			0.54	0.68							
C4-SQUARE CUT	0.61	0.84	0.29	1.00	3.94	-0.63	0.06	-0.90										
C5-SEQUENCE III	-0.01	-1.66	0.28		-0.86	-0.32					-0.60				0.00	-0.27		
C6-ARTICULATED 2-PIECE	1.04	0.54	1.64		-0.23	1.14	0.33	-0.60		0.70	-0.01	0.03	1.44	-0.34			-0.16	
CAL1A-CALIBRATION PISTON	-1.92	-0.15	-0.28		-0.45	1.44		-0.37										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		1.14
D1-4-2-CAL. SEQUENCE V PISTONS																		0.37
D1-4-3-CAL. SEQUENCE V PISTONS																		0.47
D1-4-4-CAL. SEQUENCE V PISTONS																		-0.13
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		
P1-8-2-SEQ V PISTONS(TH ONLY)																		
P1-8-3-SEQ V PISTONS(TH ONLY)																		
P1-8-4-SEQ V PISTONS(TH ONLY)																		
P1-8-5-SEQ V PISTONS(TH ONLY)																		
P1-8-6-SEQ V PISTONS(TH ONLY)																		
P1-8-7-SEQ V PISTONS(TH ONLY)																		
P1-8-8-SEQ V PISTONS(TH ONLY)																		
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.04
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-0.73
Q1-8-3-SEQ V PISTONS(TH ONLY)																		-1.59
Q1-8-4-SEQ V PISTONS(TH ONLY)																		-1.28
Q1-8-5-SEQ V PISTONS(TH ONLY)																		-0.90
Q1-8-6-SEQ V PISTONS(TH ONLY)																		-0.82
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-0.69
Q1-8-8-SEQ V PISTONS(TH ONLY)																		-1.27
R1-8-1-SEQ V PISTONS(TH ONLY)																		-0.75
R1-8-2-SEQ V PISTONS(TH ONLY)																		-0.78
R1-8-3-SEQ V PISTONS(TH ONLY)																		-0.76
R1-8-4-SEQ V PISTONS(TH ONLY)																		-0.47
R1-8-5-SEQ V PISTONS(TH ONLY)																		-0.73
R1-8-6-SEQ V PISTONS(TH ONLY)																		-0.21
R1-8-7-SEQ V PISTONS(TH ONLY)																		-0.36
R1-8-8-SEQ V PISTONS(TH ONLY)																		-0.62
MAXIMUM	-1.92	2.59	1.66	1.00	3.94	1.65	2.27	-0.90	-0.32	2.56	0.98	1.02	1.44	1.11	-0.04	-0.27	-0.16	-1.59
MINIMUM	-0.01	-0.15	-0.16	-0.02	-0.23	-0.32	0.06	0.17	-0.10	0.54	-0.01	0.03	-0.32	-0.34	0.00	-0.18	-0.16	-0.04
RANGE(MAX-MIN)	-1.910	2.740	1.820	1.020	4.170	1.970	2.210	-1.070	-0.220	2.020	0.990	0.990	1.760	1.450	-0.040	-0.090	0.000	-1.550
MEAN	0.134	0.204	0.219	0.490	-0.028	0.061	0.535	-0.328	-0.210	1.128	0.218	0.650	0.190	0.067	-0.020	-0.225	-0.160	-0.508
STANDARD DEVIATION	0.934	1.641	1.009	0.721	1.595	1.037	1.210	0.456	0.156	0.958	0.637	0.540	1.089	0.911	0.028	0.064	0.000	0.643

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Trevino, Bobby

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	-0.71	-2.41	-1.43		0.29	-0.54					-0.37				0.03	-0.29		
A6-ARTICULATED 2-PIECE																		
B1-SQUARE CUT	0.07	-0.31	-0.28	-0.10	-0.82	-0.82	-0.43	-0.55										
B2-KEYSTONE	-0.30	0.00	0.53		-0.39	-0.15		-0.57	1.00	-0.71	-0.32	0.46	-0.25	-0.43				
B3-C13-STYLE	0.29	0.01	0.65		-0.42	0.06	1.45			1.47	-1.11							
B4-SQUARE CUT	0.59	-0.98	0.59	0.49	-0.16	0.44	0.17	0.48										
B5-SEQUENCE III	-0.65	-0.38	-1.06		0.03	-0.37					-0.40				-0.31	-0.18		
B6-ARTICULATED 2-PIECE	-0.35	-0.30	1.23		-0.36	-0.03	0.93	-0.97		0.33	-0.69	-1.30	0.31	-0.63			0.91	
C1-SQUARE CUT																		
C2-KEYSTONE																		
C3-C13-STYLE																		
C4-SQUARE CUT																		
C5-SEQUENCE III	0.64	-0.84	-0.19		-0.67	-0.40					-0.66				0.22	-0.23		
C6-ARTICULATED 2-PIECE																		
CAL1A-CALIBRATION PISTON	0.37	-0.28	0.56		-0.50	-0.13		0.08										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON																		
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		0.11
E1-4-2-CAL. SEQUENCE V PISTONS																		0.05
E1-4-3-CAL. SEQUENCE V PISTONS																		0.24
E1-4-4-CAL. SEQUENCE V PISTONS																		1.04
F1-4-1-CAL. SEQUENCE V PISTONS																		
F1-4-2-CAL. SEQUENCE V PISTONS																		
F1-4-3-CAL. SEQUENCE V PISTONS																		
F1-4-4-CAL. SEQUENCE V PISTONS																		
P1-8-1-SEQ V PISTONS(TH ONLY)																		-0.53
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.32
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.03
P1-8-4-SEQ V PISTONS(TH ONLY)																		-0.26
P1-8-5-SEQ V PISTONS(TH ONLY)																		-0.01
P1-8-6-SEQ V PISTONS(TH ONLY)																		0.33
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.67
P1-8-8-SEQ V PISTONS(TH ONLY)																		0.16
Q1-8-1-SEQ V PISTONS(TH ONLY)																		
Q1-8-2-SEQ V PISTONS(TH ONLY)																		
Q1-8-3-SEQ V PISTONS(TH ONLY)																		
Q1-8-4-SEQ V PISTONS(TH ONLY)																		
Q1-8-5-SEQ V PISTONS(TH ONLY)																		
Q1-8-6-SEQ V PISTONS(TH ONLY)																		
Q1-8-7-SEQ V PISTONS(TH ONLY)																		
Q1-8-8-SEQ V PISTONS(TH ONLY)																		
R1-8-1-SEQ V PISTONS(TH ONLY)																		-0.10
R1-8-2-SEQ V PISTONS(TH ONLY)																		0.04
R1-8-3-SEQ V PISTONS(TH ONLY)																		0.19
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.24
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.04
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.32
R1-8-7-SEQ V PISTONS(TH ONLY)																		0.26
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.19
MAXIMUM	-0.71	-2.41	-1.43	0.49	-0.82	-0.82	1.45	-0.97	1.00	1.47	-1.11	-1.30	0.31	-0.63	-0.31	-0.29	0.91	1.04
MINIMUM	0.07	0.00	-0.19	-0.10	0.03	-0.03	0.17	0.08	1.00	0.33	-0.32	0.46	-0.25	-0.43	0.03	-0.18	0.91	-0.01
RANGE(MAX-MIN)	-0.780	-2.410	-1.240	0.590	-0.850	-0.790	1.280	-1.050	0.000	1.140	-0.790	-1.760	0.560	-0.200	-0.340	-0.110	0.000	1.050
MEAN	-0.006	-0.610	0.067	0.195	-0.333	-0.216	0.530	-0.306	1.000	0.363	-0.592	-0.420	0.030	-0.530	-0.020	-0.233	0.910	0.167
STANDARD DEVIATION	0.515	0.753	0.875	0.417	0.343	0.367	0.828	0.578	0.000	1.090	0.298	1.245	0.396	0.141	0.269	0.055	0.000	0.320

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Viera, Ralph B.

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	-0.91	0.18	2.66	0.45	-0.98	-0.82	-0.86	-0.04										
A2-KEystone	0.18	0.45	-0.10		-0.12	-0.32		-0.37	-0.46	0.69	-0.75	-0.17	-0.32	-0.60				
A3-C13-STYLE	0.48	-0.26	0.25		0.22	0.83	0.35			1.06	0.81							
A4-SQUARE CUT	0.26	-0.16	2.14	0.34	-0.79	-0.06	-0.87	1.10										
A5-SEQUENCE III	0.15	0.29	-1.01		0.13	0.46					-0.25				-0.74	-0.72		
A6-ARTICULATED 2-PIECE	0.17	0.69	0.21		-0.05	0.20	0.21	0.31		0.69	-0.14	-0.55	0.70	2.22			0.21	
B1-SQUARE CUT																		
B2-KEystone																		
B3-C13-STYLE																		
B4-SQUARE CUT																		
B5-SEQUENCE III																		
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	0.10	-0.34	-0.50		-1.70	-0.52		-0.45										
CAL1B-CALIBRATION PISTON																		
CAL1C-CALIBRATION PISTON	0.10	0.65	-0.69		-0.51	-0.12		1.14										
D1-4-1-CAL. SEQUENCE V PISTONS																		
D1-4-2-CAL. SEQUENCE V PISTONS																		
D1-4-3-CAL. SEQUENCE V PISTONS																		
D1-4-4-CAL. SEQUENCE V PISTONS																		
E1-4-1-CAL. SEQUENCE V PISTONS																		
E1-4-2-CAL. SEQUENCE V PISTONS																		
E1-4-3-CAL. SEQUENCE V PISTONS																		
E1-4-4-CAL. SEQUENCE V PISTONS																		
F1-4-1-CAL. SEQUENCE V PISTONS																		-2.18
F1-4-2-CAL. SEQUENCE V PISTONS																		-1.04
F1-4-3-CAL. SEQUENCE V PISTONS																		-0.87
F1-4-4-CAL. SEQUENCE V PISTONS																		-1.24
P1-8-1-SEQ V PISTONS(TH ONLY)																		0.40
P1-8-2-SEQ V PISTONS(TH ONLY)																		0.74
P1-8-3-SEQ V PISTONS(TH ONLY)																		0.64
P1-8-4-SEQ V PISTONS(TH ONLY)																		0.91
P1-8-5-SEQ V PISTONS(TH ONLY)																		0.49
P1-8-6-SEQ V PISTONS(TH ONLY)																		0.79
P1-8-7-SEQ V PISTONS(TH ONLY)																		0.32
P1-8-8-SEQ V PISTONS(TH ONLY)																		1.26
Q1-8-1-SEQ V PISTONS(TH ONLY)																		-0.52
Q1-8-2-SEQ V PISTONS(TH ONLY)																		-0.38
Q1-8-3-SEQ V PISTONS(TH ONLY)																		0.24
Q1-8-4-SEQ V PISTONS(TH ONLY)																		0.22
Q1-8-5-SEQ V PISTONS(TH ONLY)																		0.56
Q1-8-6-SEQ V PISTONS(TH ONLY)																		0.48
Q1-8-7-SEQ V PISTONS(TH ONLY)																		-0.25
Q1-8-8-SEQ V PISTONS(TH ONLY)																		0.75
R1-8-1-SEQ V PISTONS(TH ONLY)																		0.52
R1-8-2-SEQ V PISTONS(TH ONLY)																		-0.31
R1-8-3-SEQ V PISTONS(TH ONLY)																		-0.30
R1-8-4-SEQ V PISTONS(TH ONLY)																		0.69
R1-8-5-SEQ V PISTONS(TH ONLY)																		0.55
R1-8-6-SEQ V PISTONS(TH ONLY)																		0.56
R1-8-7-SEQ V PISTONS(TH ONLY)																		0.70
R1-8-8-SEQ V PISTONS(TH ONLY)																		0.68
MAXIMUM	-0.91	0.69	2.66	0.45	-1.70	0.83	-0.87	1.14	-0.46	1.06	0.81	-0.55	0.70	2.22	-0.74	-0.72	0.21	-2.18
MINIMUM	0.10	-0.16	-0.10	0.34	-0.05	-0.06	0.21	-0.04	-0.46	0.69	-0.14	-0.17	-0.32	-0.60	-0.74	-0.72	0.21	0.22
RANGE(MAX-MIN)	-1.010	0.850	2.760	0.110	-1.650	0.890	-1.080	1.180	0.000	0.370	0.950	-0.380	1.020	2.820	0.000	0.000	0.000	-2.400
MEAN	0.066	0.188	0.370	0.395	-0.475	-0.044	-0.293	0.282	-0.460	0.813	-0.083	-0.360	0.190	0.810	-0.740	-0.720	0.210	0.158
STANDARD DEVIATION	0.413	0.404	1.332	0.078	0.656	0.533	0.664	0.703	0.000	0.214	0.652	0.269	0.721	1.994	0.000	0.000	0.000	0.773

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Avis, Steven

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.72	-1.02	1.24	-1.27	-1.14	-0.34	
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	-0.72	-1.02	1.24	-1.27	-1.14	-0.34	
MINIMUM	-0.72	-1.02	1.24	-1.27	-1.14	-0.34	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.720	-1.020	1.240	-1.270	-1.140	-0.340	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Barrera, Tony

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.66	-0.38	-1.33	1.52	-0.10	-0.34	
K1-6-C13 2ND RING CARBON	-0.28	0.58	0.06	-0.82	-0.28	-0.20	
L1-6-C13 2ND RING CARBON	0.58	-0.45	1.09	0.06	0.25	-0.75	
M1-6-C13 2ND RING CARBON	0.55	0.77	-0.06	0.73	-0.02	-0.43	
MAXIMUM	0.66	0.77	-1.33	1.52	-0.28	-0.75	
MINIMUM	-0.28	-0.38	0.06	0.06	-0.02	-0.20	
RANGE(MAX-MIN)	0.940	1.150	-1.390	1.460	-0.260	-0.550	
MEAN	0.378	0.130	-0.060	0.373	-0.038	-0.430	
STANDARD DEVIATION	0.441	0.635	0.992	0.994	0.220	0.233	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Castillo, George

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.47	1.22	0.65	1.10	0.64	0.13	
K1-6-C13 2ND RING CARBON	0.66	0.96	0.88	0.00	0.22	2.03	
L1-6-C13 2ND RING CARBON	-0.58	0.17	-0.13	-0.67	0.15	0.75	
M1-6-C13 2ND RING CARBON	1.03	0.77	0.32	1.45	0.40	1.57	
MAXIMUM	1.03	1.22	0.88	1.45	0.64	2.03	
MINIMUM	0.47	0.17	-0.13	0.00	0.15	0.13	
RANGE(MAX-MIN)	0.560	1.050	1.010	1.450	0.490	1.900	
MEAN	0.395	0.780	0.430	0.470	0.353	1.120	
STANDARD DEVIATION	0.690	0.447	0.438	0.979	0.219	0.846	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Foecking, Brian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.07	1.22	1.05	-0.99	0.43	1.22	
K1-6-C13 2ND RING CARBON	1.29	0.45	0.33	0.82	1.22	-0.20	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	1.29	1.22	1.05	-0.99	1.22	1.22	
MINIMUM	0.07	0.45	0.33	0.82	0.43	-0.20	
RANGE(MAX-MIN)	1.220	0.770	0.720	-1.810	0.790	1.420	
MEAN	0.680	0.835	0.690	-0.085	0.825	0.510	
STANDARD DEVIATION	0.863	0.544	0.509	1.280	0.559	1.004	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Guarda, Waldyr

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.52	-0.38	-0.94	-0.29	-1.04	-0.97	
K1-6-C13 2ND RING CARBON	-0.28	-1.11	-1.85	1.22	-1.77	-0.20	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	-0.52	-1.11	-1.85	1.22	-1.77	-0.97	
MINIMUM	-0.28	-0.38	-0.94	-0.29	-1.04	-0.20	
RANGE(MAX-MIN)	-0.240	-0.730	-0.910	1.510	-0.730	-0.770	
MEAN	-0.400	-0.745	-1.395	0.465	-1.405	-0.585	
STANDARD DEVIATION	0.170	0.516	0.643	1.068	0.516	0.544	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Hills, Barry

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.62	-0.70	0.45	0.13	0.74	-0.34	
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	-0.62	-0.70	0.45	0.13	0.74	-0.34	
MINIMUM	-0.62	-0.70	0.45	0.13	0.74	-0.34	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.620	-0.700	0.450	0.130	0.740	-0.340	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.27	-0.70	-0.74	0.27	0.01	0.13	
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	0.27	-0.70	-0.74	0.27	0.01	0.13	
MINIMUM	0.27	-0.70	-0.74	0.27	0.01	0.13	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	0.270	-0.700	-0.740	0.270	0.010	0.130	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lopez, Frank

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	2.54	-0.70	-0.74	1.38	2.21	1.85	
K1-6-C13 2ND RING CARBON	-0.28	-0.59	-0.48	-0.82	-1.27	-1.09	
L1-6-C13 2ND RING CARBON	-1.73	-1.78	-0.75	-1.41	-1.26	0.15	
M1-6-C13 2ND RING CARBON	-1.29	-1.88	-1.58	-0.73	-1.85	-0.43	
MAXIMUM	2.54	-1.88	-1.58	-1.41	2.21	1.85	
MINIMUM	-0.28	-0.59	-0.48	-0.73	-1.26	0.15	
RANGE(MAX-MIN)	2.820	-1.290	-1.100	-0.680	3.470	1.700	
MEAN	-0.190	-1.238	-0.888	-0.395	-0.543	0.120	
STANDARD DEVIATION	1.919	0.687	0.478	1.221	1.856	1.260	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lowsky, John

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	0.08	0.78	-1.21	0.33	0.05	-0.45	
M1-6-C13 2ND RING CARBON	1.03	-0.02	0.32	0.36	0.68	0.71	
MAXIMUM	1.03	0.78	-1.21	0.36	0.68	0.71	
MINIMUM	0.08	-0.02	0.32	0.33	0.05	-0.45	
RANGE(MAX-MIN)	0.950	0.800	-1.530	0.030	0.630	1.160	
MEAN	0.555	0.380	-0.445	0.345	0.365	0.130	
STANDARD DEVIATION	0.672	0.566	1.082	0.021	0.445	0.820	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= May, Marianne

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON	-1.22	-1.24	-1.03	-0.41	0.22	-1.09	
L1-6-C13 2ND RING CARBON	-0.08	-0.14	0.02	-0.13	0.05	-0.15	
M1-6-C13 2ND RING CARBON							
MAXIMUM	-1.22	-1.24	-1.03	-0.41	0.22	-1.09	
MINIMUM	-0.08	-0.14	0.02	-0.13	0.05	-0.15	
RANGE(MAX-MIN)	-1.140	-1.100	-1.050	-0.280	0.170	-0.940	
MEAN	-0.650	-0.690	-0.505	-0.270	0.135	-0.620	
STANDARD DEVIATION	0.806	0.778	0.742	0.198	0.120	0.665	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Richerson, Jay

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.92	0.90	-0.94	-1.27	-0.72	-1.59	
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
MAXIMUM	-0.92	0.90	-0.94	-1.27	-0.72	-1.59	
MINIMUM	-0.92	0.90	-0.94	-1.27	-0.72	-1.59	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	-0.920	0.900	-0.940	-1.270	-0.720	-1.590	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Sanchez, Arthur

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON	-1.22	-0.20	0.06	-1.22	0.22	-0.20	
L1-6-C13 2ND RING CARBON	1.73	1.71	1.71	1.80	2.07	1.95	
M1-6-C13 2ND RING CARBON							
MAXIMUM	1.73	1.71	1.71	1.80	2.07	1.95	
MINIMUM	-1.22	-0.20	0.06	-1.22	0.22	-0.20	
RANGE(MAX-MIN)	2.950	1.910	1.650	3.020	1.850	2.150	
MEAN	0.255	0.755	0.885	0.290	1.145	0.875	
STANDARD DEVIATION	2.086	1.351	1.167	2.135	1.308	1.520	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Seiz, Ray

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.52	-1.02	-0.14	-0.43	-1.04	0.91	
K1-6-C13 2ND RING CARBON	1.61	1.74	1.42	-0.41	0.22	1.14	
L1-6-C13 2ND RING CARBON	0.41	-0.14	0.17	0.79	-0.35	-1.35	
M1-6-C13 2ND RING CARBON	-0.52	0.51	-0.44	-1.09	0.96	-1.28	
MAXIMUM	1.61	1.74	1.42	-1.09	-1.04	-1.35	
MINIMUM	0.41	-0.14	-0.14	-0.41	0.22	0.91	
RANGE(MAX-MIN)	1.200	1.880	1.560	-0.680	-1.260	-2.260	
MEAN	0.245	0.273	0.253	-0.285	-0.053	-0.145	
STANDARD DEVIATION	1.010	1.162	0.817	0.783	0.849	1.355	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Viera, Ralph B.

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.72	1.54	1.44	-0.15	0.01	-0.65	
K1-6-C13 2ND RING CARBON	-0.28	-0.59	0.61	1.63	1.22	-0.20	
L1-6-C13 2ND RING CARBON	-0.41	-0.14	-0.90	-0.77	-0.96	-0.15	
M1-6-C13 2ND RING CARBON	-0.81	-0.15	1.45	-0.73	-0.16	-0.14	
MAXIMUM	-0.81	1.54	1.45	1.63	1.22	-0.65	
MINIMUM	-0.28	-0.14	0.61	-0.15	0.01	-0.14	
RANGE(MAX-MIN)	-0.530	1.680	0.840	1.780	1.210	-0.510	
MEAN	-0.555	0.165	0.650	-0.005	0.028	-0.285	
STANDARD DEVIATION	0.251	0.940	1.106	1.126	0.900	0.245	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Anderson, Dan

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.76	
ISMRC-ISM ROCKER COVER	0.43	
SCAL1-VG TIMING CHAIN COVER	2.32	
SCAL2-VG TIMING CHAIN COVER	1.98	
MAXIMUM	2.32	
MINIMUM	0.43	
RANGE(MAX-MIN)	1.890	
MEAN	1.373	
STANDARD DEVIATION	0.918	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Avis, Steven

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.87	
ISMRC-ISM ROCKER COVER	0.77	
SCAL1-VG TIMING CHAIN COVER	0.28	
SCAL2-VG TIMING CHAIN COVER	0.35	
MAXIMUM	-0.87	
MINIMUM	0.28	
RANGE(MAX-MIN)	-1.150	
MEAN	0.133	
STANDARD DEVIATION	0.702	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Barrera, Tony

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.98	
ISMRC-ISM ROCKER COVER	-0.47	
SCAL1-VG TIMING CHAIN COVER	0.10	
SCAL2-VG TIMING CHAIN COVER	-0.39	
MAXIMUM	-0.98	
MINIMUM	0.10	
RANGE(MAX-MIN)	-1.080	
MEAN	-0.435	
STANDARD DEVIATION	0.442	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Booth, Jeffrey

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	2.00	
SCAL2-VG TIMING CHAIN COVER	3.45	
MAXIMUM	3.45	
MINIMUM	2.00	
RANGE(MAX-MIN)	1.450	
MEAN	2.725	
STANDARD DEVIATION	1.025	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Cales, Jonathon

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.11	
ISMRC-ISM ROCKER COVER	0.64	
SCAL1-VG TIMING CHAIN COVER	-0.27	
SCAL2-VG TIMING CHAIN COVER	-0.54	
MAXIMUM	0.64	
MINIMUM	0.11	
RANGE(MAX-MIN)	0.530	
MEAN	-0.015	
STANDARD DEVIATION	0.512	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Caproni, David

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.21	
ISMRC-ISM ROCKER COVER	-0.09	
SCAL1-VG TIMING CHAIN COVER	0.01	
SCAL2-VG TIMING CHAIN COVER	-0.23	
MAXIMUM	-0.23	
MINIMUM	0.01	
RANGE(MAX-MIN)	-0.240	
MEAN	-0.025	
STANDARD DEVIATION	0.185	

## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Castillo, George

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.65	
ISMRC-ISM ROCKER COVER	-0.43	
SCAL1-VG TIMING CHAIN COVER	0.14	
SCAL2-VG TIMING CHAIN COVER	-0.79	
MAXIMUM	-0.79	
MINIMUM	0.14	
RANGE(MAX-MIN)	-0.930	
MEAN	-0.433	
STANDARD DEVIATION	0.409	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Clapperty, Leon

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.76	
ISMRC-ISM ROCKER COVER	-1.15	
SCAL1-VG TIMING CHAIN COVER	0.23	
SCAL2-VG TIMING CHAIN COVER	0.32	
MAXIMUM	-1.15	
MINIMUM	0.23	
RANGE(MAX-MIN)	-1.380	
MEAN	-0.340	
STANDARD DEVIATION	0.729	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Cumberworth, Lee

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.44	
ISMRC-ISM ROCKER COVER	1.63	
SCAL1-VG TIMING CHAIN COVER	-1.49	
SCAL2-VG TIMING CHAIN COVER	-0.23	
MAXIMUM	1.63	
MINIMUM	-0.23	
RANGE(MAX-MIN)	1.860	
MEAN	-0.133	
STANDARD DEVIATION	1.298	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Foecking, Brian

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	-0.36	
SCAL2-VG TIMING CHAIN COVER	-0.33	
MAXIMUM	-0.43	
MINIMUM	-0.06	
RANGE(MAX-MIN)	-0.370	
MEAN	-0.295	
STANDARD DEVIATION	0.162	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Greenland, Paul

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.49	
ISMRC-ISM ROCKER COVER	0.43	
SCAL1-VG TIMING CHAIN COVER	0.01	
SCAL2-VG TIMING CHAIN COVER	-0.29	
MAXIMUM	0.49	
MINIMUM	0.01	
RANGE(MAX-MIN)	0.480	
MEAN	0.160	
STANDARD DEVIATION	0.368	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Guarda, Waldyr

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.87	
ISMRC-ISM ROCKER COVER	-0.38	
SCAL1-VG TIMING CHAIN COVER	0.41	
SCAL2-VG TIMING CHAIN COVER	-0.26	
MAXIMUM	-0.87	
MINIMUM	-0.26	
RANGE(MAX-MIN)	-0.610	
MEAN	-0.275	
STANDARD DEVIATION	0.527	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Hills, Barry

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.81	
ISMRC-ISM ROCKER COVER	0.64	
SCAL1-VG TIMING CHAIN COVER	-0.04	
SCAL2-VG TIMING CHAIN COVER	0.10	
MAXIMUM	0.81	
MINIMUM	-0.04	
RANGE(MAX-MIN)	0.850	
MEAN	0.378	
STANDARD DEVIATION	0.411	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Holland, Stephen

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.05	
ISMRC-ISM ROCKER COVER	0.09	
SCAL1-VG TIMING CHAIN COVER	-0.04	
SCAL2-VG TIMING CHAIN COVER	-0.54	
MAXIMUM	-0.54	
MINIMUM	-0.04	
RANGE(MAX-MIN)	-0.500	
MEAN	-0.110	
STANDARD DEVIATION	0.292	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Hurst, Kevin R.

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.46	
ISMRC-ISM ROCKER COVER	1.20	
SCAL1-VG TIMING CHAIN COVER	0.96	
SCAL2-VG TIMING CHAIN COVER	-0.05	
MAXIMUM	1.46	
MINIMUM	-0.05	
RANGE(MAX-MIN)	1.510	
MEAN	0.893	
STANDARD DEVIATION	0.661	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.87	
ISMRC-ISM ROCKER COVER	-1.15	
SCAL1-VG TIMING CHAIN COVER	-0.72	
SCAL2-VG TIMING CHAIN COVER	0.35	
MAXIMUM	-1.15	
MINIMUM	0.35	
RANGE(MAX-MIN)	-1.500	
MEAN	-0.598	
STANDARD DEVIATION	0.656	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Kuipers, Jacques

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		
SCAL2-VG TIMING CHAIN COVER		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Langford, Mike

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.03	
ISMRC-ISM ROCKER COVER	0.21	
SCAL1-VG TIMING CHAIN COVER	0.55	
SCAL2-VG TIMING CHAIN COVER	-0.54	
MAXIMUM	1.03	
MINIMUM	0.21	
RANGE(MAX-MIN)	0.820	
MEAN	0.313	
STANDARD DEVIATION	0.660	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lonsway, Chris

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.22	
ISMRC-ISM ROCKER COVER	-0.51	
SCAL1-VG TIMING CHAIN COVER	-0.22	
SCAL2-VG TIMING CHAIN COVER	-0.39	
MAXIMUM	-0.51	
MINIMUM	-0.22	
RANGE(MAX-MIN)	-0.290	
MEAN	-0.335	
STANDARD DEVIATION	0.142	



## HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lopez, Frank

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.44	
ISMRC-ISM ROCKER COVER	-0.26	
SCAL1-VG TIMING CHAIN COVER	-0.49	
SCAL2-VG TIMING CHAIN COVER	-0.51	
MAXIMUM	-0.51	
MINIMUM	-0.26	
RANGE(MAX-MIN)	-0.250	
MEAN	-0.425	
STANDARD DEVIATION	0.114	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Lowsky, John

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.49	
ISMRC-ISM ROCKER COVER	1.03	
SCAL1-VG TIMING CHAIN COVER	-2.53	
SCAL2-VG TIMING CHAIN COVER	-1.34	
MAXIMUM	-2.53	
MINIMUM	0.49	
RANGE(MAX-MIN)	-3.020	
MEAN	-0.588	
STANDARD DEVIATION	1.645	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= May, Marianne

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.87	
ISMRC-ISM ROCKER COVER	-1.15	
SCAL1-VG TIMING CHAIN COVER	0.23	
SCAL2-VG TIMING CHAIN COVER	-0.45	
MAXIMUM	-1.15	
MINIMUM	0.23	
RANGE(MAX-MIN)	-1.380	
MEAN	-0.560	
STANDARD DEVIATION	0.600	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Pitta, Jimmy

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Plaizier, Gert

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		
SCAL2-VG TIMING CHAIN COVER		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Ramirez, Manny

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.14	
ISMRC-ISM ROCKER COVER	0.56	
SCAL1-VG TIMING CHAIN COVER	2.05	
SCAL2-VG TIMING CHAIN COVER	2.31	
MAXIMUM	2.31	
MINIMUM	0.56	
RANGE(MAX-MIN)	1.750	
MEAN	1.515	
STANDARD DEVIATION	0.811	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Richerson, Jay

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		
SCAL2-VG TIMING CHAIN COVER		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.73	
ISMRC-ISM ROCKER COVER	0.94	
SCAL1-VG TIMING CHAIN COVER	-0.72	
SCAL2-VG TIMING CHAIN COVER	-0.45	
MAXIMUM	1.73	
MINIMUM	-0.45	
RANGE(MAX-MIN)	2.180	
MEAN	0.375	
STANDARD DEVIATION	1.160	



# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Sanchez, Arthur

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.54	
ISMRC-ISM ROCKER COVER	-1.15	
SCAL1-VG TIMING CHAIN COVER	-0.67	
SCAL2-VG TIMING CHAIN COVER	0.20	
MAXIMUM	-1.15	
MINIMUM	0.20	
RANGE(MAX-MIN)	-1.350	
MEAN	-0.540	
STANDARD DEVIATION	0.559	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Schakel, J.J.

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		
SCAL2-VG TIMING CHAIN COVER		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Seiz, Ray

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	2.06	
ISMRC-ISM ROCKER COVER	1.41	
SCAL1-VG TIMING CHAIN COVER	-0.90	
SCAL2-VG TIMING CHAIN COVER	-0.29	
MAXIMUM	2.06	
MINIMUM	-0.29	
RANGE(MAX-MIN)	2.350	
MEAN	0.570	
STANDARD DEVIATION	1.394	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Shoda, Ronald

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.59	
ISMRC-ISM ROCKER COVER	1.15	
SCAL1-VG TIMING CHAIN COVER	-0.54	
SCAL2-VG TIMING CHAIN COVER	-0.66	
MAXIMUM	1.15	
MINIMUM	-0.54	
RANGE(MAX-MIN)	1.690	
MEAN	0.135	
STANDARD DEVIATION	0.880	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Trevino, Bobby

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-2.33	
ISMRC-ISM ROCKER COVER	-1.54	
SCAL1-VG TIMING CHAIN COVER	0.01	
SCAL2-VG TIMING CHAIN COVER	-0.39	
MAXIMUM	-2.33	
MINIMUM	0.01	
RANGE(MAX-MIN)	-2.340	
MEAN	-1.063	
STANDARD DEVIATION	1.070	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

Rater= Viera, Ralph B.

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.03	
ISMRC-ISM ROCKER COVER	-2.40	
SCAL1-VG TIMING CHAIN COVER	-0.31	
SCAL2-VG TIMING CHAIN COVER	-0.39	
MAXIMUM	-2.40	
MINIMUM	-0.31	
RANGE(MAX-MIN)	-2.090	
MEAN	-1.033	
STANDARD DEVIATION	0.967	

# HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

## Demerit Piston Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Anderson, Dan	41	68.4%	95.2%	99.5%	0.5%	1.03	WHITE	
Avis, Steven	23	77.9%	100.0%	100.0%	0.0%	0.74	WHITE	
Barrera, Tony	41	88.5%	99.3%	100.0%	0.0%	0.62	BLUE	
Booth, Jeffrey	26	29.7%	58.4%	87.1%	12.9%	1.83	YELLOW	
Cales, Jonathon	19	84.0%	98.7%	100.0%	0.0%	0.75	RED	
Caproni, David	27	88.0%	98.8%	100.0%	0.0%	0.75	BLUE	
Castillo, George	37	84.5%	98.1%	100.0%	0.0%	0.65	RED	
Clapperty, Leon	7	67.2%	97.0%	100.0%	0.0%	0.93	WHITE	
Cumberworth, Lee	30	79.1%	92.4%	99.1%	1.0%	0.98	WHITE	
Foecking, Brian	38	83.2%	100.0%	100.0%	0.0%	0.64	RED	
Greenland, Paul	11	89.6%	100.0%	100.0%	0.0%	0.62	BLUE	
Guarda, Waldyr	36	73.1%	94.4%	98.1%	1.9%	0.95	WHITE	
Hills, Barry	17	73.4%	99.2%	100.0%	0.0%	0.84	WHITE	
Holland, Stephen	11	86.6%	98.5%	100.0%	0.0%	0.72	BLUE	
Hurst, Kevin R.	29	78.8%	97.0%	100.0%	0.0%	0.82	WHITE	
Kobrinetz, Joaquin J.	25	90.3%	96.8%	100.0%	0.0%	0.67	RED	
Kuipers, Jacques	31	65.3%	94.1%	100.0%	0.0%	1.04	WHITE	
Langford, Mike	11	83.6%	98.5%	100.0%	0.0%	0.76	RED	
Lonsway, Chris	23	76.6%	95.3%	99.1%	0.9%	0.91	WHITE	
Lopez, Frank	29	80.0%	97.9%	100.0%	0.0%	0.81	RED	
Lowsky, John	38	71.1%	93.3%	98.9%	1.1%	0.98	WHITE	
May, Marianne	16	86.2%	99.1%	100.0%	0.0%	0.68	BLUE	
Pitta, Jimmy	13	78.3%	96.7%	100.0%	0.0%	0.87	WHITE	
Plaizier, Gert	32	66.7%	93.5%	100.0%	0.0%	1.06	WHITE	
Ramirez, Manny	13	45.8%	78.3%	93.3%	6.7%	1.55	YELLOW	
Richerson, Jay	15	69.2%	93.3%	98.1%	1.9%	1.05	WHITE	
Rodriguez, Jesus (Jesse)	28	84.6%	98.9%	100.0%	0.0%	0.73	RED	
Sanchez, Arthur	12	64.4%	94.5%	98.6%	1.4%	1.04	WHITE	
Schakel, J.J.	20	75.7%	94.7%	98.7%	1.3%	0.98	WHITE	
Seiz, Ray	34	69.6%	91.2%	100.0%	0.0%	1.08	WHITE	
Shoda, Ronald	29	76.7%	94.2%	99.0%	1.0%	1.01	WHITE	
Trevino, Bobby	29	90.9%	99.0%	100.0%	0.0%	0.61	BLUE	
Viera, Ralph B.	36	87.6%	95.9%	100.0%	0.0%	0.76	RED	

### Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	17	52%
Red	6	80%	95%	0.85	8	24%
Blue	6	85%	98%	0.75	6	18%
Yellow	-	-	-	-	2	6%

HEAVY DUTY RATING WORKSHOP (2010 October 12-14)

C13 Ring Carbon

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Avis, Steven	6	33.3%	100.0%	100.0%	0.0%	0.94	YELLOW	
Barrera, Tony	24	87.5%	100.0%	100.0%	0.0%	0.66	BLUE	
Castillo, George	24	75.0%	95.8%	100.0%	0.0%	0.65	WHITE	
Foecking, Brian	12	58.3%	100.0%	100.0%	0.0%	0.70	YELLOW	
Guarda, Waldyr	12	58.3%	100.0%	100.0%	0.0%	0.82	YELLOW	
Hills, Barry	6	100.0%	100.0%	100.0%	0.0%	0.59	BLUE	
Kobrinetz, Joaquin J.	6	100.0%	100.0%	100.0%	0.0%	0.47	BLUE	
Lopez, Frank	24	41.7%	91.7%	100.0%	0.0%	1.28	YELLOW	
Lowsky, John	12	83.3%	100.0%	100.0%	0.0%	0.61	RED	
May, Marianne	12	66.7%	100.0%	100.0%	0.0%	0.55	WHITE	
Richerson, Jay	6	66.7%	100.0%	100.0%	0.0%	0.87	WHITE	
Sanchez, Arthur	12	33.3%	91.7%	100.0%	0.0%	1.26	YELLOW	
Seiz, Ray	24	62.5%	100.0%	100.0%	0.0%	0.93	WHITE	
Viera, Ralph B.	24	79.2%	100.0%	100.0%	0.0%	0.84	WHITE	

Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	5	36%
Red	6	80%	95%	0.85	1	7%
Blue	6	85%	98%	0.75	3	21%
Yellow	-	-	-	-	5	36%