



Test Monitoring Center

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October 18, 2017

To Participants of the ASTM International Heavy Duty Rating Workshop:

The ASTM International Heavy Duty Rating Workshop was held on October 2-6, 2017, in San Antonio, TX. Enclosed are the minutes for the workshop and a copy of all of the data generated.

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

Sincerely,

Michael T. Kasimirsky
Workshop Coordinator

Notes on the Data

Following is the data produced during the October 2-6, 2017, ASTM International Heavy Duty Rating Workshop.

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

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

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

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

Heavy Duty Rating Workshop

October 2-6, 2017

San Antonio, Texas

Monday, October 2, 2017

The workshop began at 1:00pm with 13 raters in attendance (see sign-in sheet) for the Session A. Michael Kasimirsky gave some opening remarks on the format of the workshop. Special thanks were given to Tony Barrera and Lucio Dominguez of Intertek Automotive Research for all their help in gathering the parts used at the workshop.

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

For 2017, a group of raters who achieved “non-yellow” color codes at the 2016 Heavy Duty Rating Workshop were identified. This group of raters was invited to Session A of the Heavy Duty Rating Workshop, which was used to set the rating targets for all parts in both sessions. Of the 19 raters identified as possible “target raters,” 13 raters were in attendance in Session A.

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

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

Also for this workshop, the Minimum Standard Deviation that was implemented for all analyses of individual ratings was revised. For all rated locations in this workshop, a minimum standard deviation of 0.1 merits was implemented for the calculations on those ratings. This value was set by the Rating Surveillance Panel for use in all workshop data analysis calculations. Any rated location that results in a standard deviation smaller than 0.1 merits will have the minimum standard deviation used for all calculations.

In addition to the T8 fluorescent sludge lights that were recently put into use, a set of LED sludge lights were set up at this workshop for evaluation. These lights use the same fixtures as the new T8 fluorescent lights, but have been converted to LED using two CREE LED conversion kits per fixture. These LED fixtures were used for the DD13 Scuffing Rating data gathering exercise that was added to this workshop.

Brian Foecking of Lubrizol gave a presentation on the DD13 test and the Scuffing Rating exercise that was planned for this workshop. Although not officially part of the workshop itself, the raters in attendance were asked to generate some scuffing rating data for use by the DD13 Surveillance Panel as they move forward with work on the DD13 test.

Jack Kobrinetz of Afton Chemical gave a presentation on the status of the work to date by the LED Lighting Task Force, of which he is chairman. He outlined several options available to the industry as we move forward with investigating new lighting technologies and how they might be incorporated into the rating process.

Heavy Duty Rating Workshop

October 2-6, 2017

San Antonio, Texas

At 1:35 pm, the group began rating the workshop parts. After some discussion, the group agreed on a set of parts and locations to be rated as a "preliminary exercise," before they embarked on rating all the workshop parts.

At 4:30pm, the group reviewed the data they had generated on their agreed-upon "preliminary exercise" parts and locations. Once completed, rating resumed for the day.

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

Tuesday, October 3, 2017

Rating of the workshop parts by the Session A raters continued all day, with a break for lunch at 11:55am. The room was opened at 6:00am and closed at 6:00pm for the day.

Wednesday, October 4, 2017

The room was opened for rating at 5:45am and the Session A group finished rating the workshop parts.

At 8:10am, Session B of the workshop began with 29 raters in attendance (see sign-in sheet). Special thanks were given to Tony Barrera & Lucio Dominguez of Intertek Automotive Research for all their help in gathering the parts used at the workshop.

The format and room layouts of the workshop were reviewed, along with parts assignments and computer access instructions. Raters were also asked to confirm they received the correct serial-numbered Rust/Varnish/Lacquer Rating Scale and Sludge Depth Scale in their workshop materials. The changes to the workshop format for 2017 that were outlined at the start of Session A were also reviewed.

At 9:15am, the Session B raters began rating the workshop parts.

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

At 12:00pm, the Session A raters concluded their data review and both groups adjourned for lunch.

At 12:45pm, the Session B raters resumed rating the workshop parts, while the Session A raters who were not remaining at the workshop to provide training, were finished with the workshop and released. Rating continued until 6:10pm, with some raters receiving additional training, as the need for training was identified by the workshop data.

Thursday, October 5, 2017

Rating of the workshop parts by the Session B raters continued all day, with a break for lunch at 12:00pm. The room was opened at 5:40am and closed at 7:45pm for the day, with some raters receiving additional training, as the need for it was identified by the workshop data.

Heavy Duty Rating Workshop

October 2-6, 2017

San Antonio, Texas

Friday, October 6, 2017

Rating of the workshop parts by the Session B raters was completed by 8:00am and the group began the final data review of the workshop parts at 9:00am. The final data review was completed at 10:35am and the workshop adjourned.

Discussions

Minimum Standard Deviation

For this workshop, a Minimum Standard Deviation of 0.1 merits was implemented for all Yi calculations on the individual rating locations.

Use of LED Lighting in Rating

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

DD13 Scuffing Rating

It was requested that a data gathering exercise on rating scuffing in the DD13 test be included in the Heavy Duty Rating Workshop. This exercise was conducted at the workshop, but is not considered an official part of the workshop itself, so that data is not included in this report. The data was given to the DD13 Surveillance Panel and copies of it can be obtained from that group.

Undercrown Rating

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

Bracketed Ratings

The workshop used several types of pistons that were run in ASTM Standard Test Methods and these Test Methods specify that some locations of these pistons should be rated using "bracketed" ratings. There was some discussion regarding if these locations should be rated using bracketed ratings or not. It was ultimately decided to use bracketed ratings, but this issue should be addressed by the Rating Surveillance Panel to determine if bracketed ratings should be used at the workshop or not.

Heavy Duty Rating Workshop

October 2-6, 2017

San Antonio, Texas

Future Workshops

The next Light Duty Rating Workshop will be held in April 2018.

The next Heavy Duty Rating Workshop will be held on October 2018.

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

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

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ASTM International

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Heavy Duty Rating Workshop 2017 – Session A

Sign-In Sheet

Aguirre, Nancy P

Nancy P Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Vanessa DeCapite

Foecking, Brian

Brian Foecking

Kobrinetz, Joaquin J.

Joaquin J Kobrinetz

Lonsway, Chris

Chris Lonsway

May, Marianne

Marianne May

Price, Gregory

Gregory Price

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Trevino, Robert

Robert Trevino

Veiga, Victor

Victor Veiga

Heavy Duty Rating Workshop 2017 – Session A
Sign-In Sheet

Aguirre, Nancy P

Nancy P Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Van DeCapite

Foecking, Brian

Brian Foecking

Kobrinetz, Joaquin J.

Joaquin J Kobrinetz

Lonsway, Chris

Chris Lonsway

May, Marianne

Marianne May

Price, Gregory

Gregory Price

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Trevino, Robert

Robert Trevino

Veiga, Victor

Victor Veiga

Heavy Duty Rating Workshop 2017 – Session A
Sign-In Sheet

Aguirre, Nancy P

Nancy Aguirre

Barrera, Tony

Tony Barrera

Castillo, George

George Castillo

DeCapite, Vanessa

Vanessa DeCapite

Foecking, Brian

Brian Foecking

Kobrinetz, Joaquin J.

Joaquin Kobrinetz

Lonsway, Chris

Chris Lonsway

May, Marianne

Marianne May

Price, Gregory

Gregory Price

Rodriguez, Jesus (Jesse)

Jesse Rodriguez

Sanchez, Arthur

Arthur Sanchez

Trevino, Robert

Robert Trevino

Veiga, Victor

Victor Veiga

Heavy Duty Rating Workshop 2017 – Session B

Sign-In Sheet

Arrizon, Richard

Richard Arrizon

Bean, Janelle

Janelle Bean

Bolaney, Jonathan

Jonathan Bolaney

Broff, Andy

Andy Broff

Cales, Jonathon

Jonathon Cales

CHEN, JIONGJING

CHEN JIONGJING

Clare, Jamie

Jamie Clare

De Armas, Raymond

Raymond De Armas

Dominguez, Lucio

Lucio Dominguez

Gao, Siyuan

Siyuan Gao

Greenland, Paul

Paul Greenland

Hayden, Matthew

Matthew Hayden

Hill, Howard P.

Howard P. Hill

Hills, Barry

Barry Hills

Hodgson, Joshua

Joshua Hodgson

Jones, Christopher

Christopher Jones

Langford, Mike

Mike Langford

Lopez, Frank

Frank Lopez

Lu, Dongsheng

Dongsheng Lu

Ma, Xiang

Ma Xiang

Ramirez, Ray

Ray Ramirez

Reese, Kyle

Kyle Reese

Rodriguez, Edward

Edward Rodriguez

Seiz, Ray

Ray Seiz

Tang, Chuan

Chuan Tang

Xu, Raphael

Raphael Xu

You, Dalong

Dalong You

Zalewski, John

John Zalewski

Lu, Wentong

Wentong Lu

Heavy Duty Rating Workshop 2017 – Session B

Sign-In Sheet

Arrizon, Richard

Richard Arrizon

Bean, Janelle

Janelle Bean

Bolaney, Jonathan

Jonathan Bolaney

Broff, Andy

Andy Broff

Cales, Jonathon

Jonathon Cales

CHEN, JIONGJING

CHEN JIONG JIONG

Clare, Jamie

Jamie Clare

De Armas, Raymond

Ray De Armas

Dominguez, Lucio

Lucio Dominguez

Gao, Siyuan

Siyuan Gao

Greenland, Paul

Paul Greenland

Hayden, Matthew

Matthew Hayden

Hill, Howard P.

Howard P. Hill

Hills, Barry

Barry Hills

Hodgson, Joshua

Joshua Hodgson

Jones, Christopher

Christopher Jones

Langford, Mike

Mike Langford

Lopez, Frank

Frank Lopez

Lu, Dongsheng

Dongsheng Lu

Ma, Xiang

Ma Xiang

Ramirez, Ray

Ray Ramirez

Reese, Kyle

Kyle Reese

Rodriguez, Edward

Edward Rodriguez

Seiz, Ray

Ray Seiz

Tang, Chuan

Chuan Tang

Xu, Raphael

Raphael Xu

You, Dalong

Dalong You

Zalewski, John

John Zalewski

Lu, Wentong

Wentong Lu

Heavy Duty Rating Workshop 2017 – Session B

Sign-In Sheet

Arrizon, Richard

Richard Arrizon

Bean, Janelle

Janelle Bean

Bolaney, Jonathan

Jonathan Bolaney

Broff, Andy

Andy Broff

Cales, Jonathon

Jonathon Cales

CHEN, JIONGJING

CHEN JIONGJING

Clare, Jamie

Jamie Clare

De Armas, Raymond

Ray De Armas

Dominguez, Lucio

Gao, Siyuan

Siyuan Gao

Greenland, Paul

Hayden, Matthew

Matthew Hayden

Hill, Howard P.

Howard P. Hill

Hills, Barry

Barry Hills

Hodgson, Joshua

Joshua Hodgson

Jones, Christopher

Christopher Jones

Langford, Mike

Lopez, Frank

Frank Lopez

Lu, Dongsheng

Dongsheng Lu

Ma, Xiang

马翔

Ramirez, Ray

Reese, Kyle

Rodriguez, Edward

Edward Rodriguez

Seiz, Ray

Ray Seiz

Tang, Chuan

Chuan Tang

Xu, Raphael

You, Dalong

Zalewski, John

John Zalewski

Lu, Wentong

Welcome to the Heavy Duty Rating Workshop

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



Heavy Duty Rating Workshop

October 2017



Volunteers

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



Rating Workshop Server Info

- To access the workshop server, access the local wireless network called “[tmcworkshop1](#)”
- The wireless network password is “[heavyduty2017](#)”
- Workshop Web Address: <http://192.168.1.108/>
- Enter your *username* (printed in **red** on the summary page in your packet) in the “password” field on the entry screen. [Leave “TMC” in the other field.]
- If individual ratings do not auto-calculate, **stop and get help before entering additional data!**



New Rating Scales

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



Rating Targets for 2017

- This group will set all targets used in the 2017 Heavy Duty Rating Workshop.
- You are encouraged to rate all the parts.
- Parts are assigned to you, if you cannot complete all the parts in the workshop.



DD13 Scuffing Evaluation

- LED Sludge Lights are located in the center booth.
- DD13 Scuffing parts are in this booth.



Heavy Duty Rating Workshop
Data Entry Network

<http://192.168.1.108/>



Welcome to the Heavy Duty Rating Workshop

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Heavy Duty Rating Workshop

October 2017



Volunteers

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Rating Manuals

ASTM Headquarters supplies:

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

Go to : WWW.ASTM.ORG



Rating Manuals 20 & 21



Workshop Format

- Heavy Duty Piston Deposits
 - Three “Letter Sets” of Pistons
 - Three Keystone Pistons
 - Three C13-Type Pistons
 - One DV4 Piston
- C13 Ring Carbon
 - Six C13 ring sets (6 rings per set)
- Engine Sludge
 - Two ISM Rocker Covers
 - Two ISM Oil Pans
 - Right & Left Sequence V Valve Decks



Workshop Format (Continued)

- DD13 Scuffing
 - Cylinder Scuffing
 - Top Ring Scuffing
 - Second Ring Scuffing
 - Oil Ring Scuffing



Workshop Format (Continued)

- Data Review & Discussion



Parts Assignments

- Two Sets of “Lettered” parts (A, B, C)
 - Three Keystone Pistons
 - Three C13-Type Pistons
 - One DV4 Piston
- Four Sets of C13 Rings (24 rings)
- Sludge Parts
- DD13 Scuffing Evaluation



Parts Assignments (cont.)

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



“Demerit” Ratings

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



Parts Modifications

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



Use of Non-Standard Lighting

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



Workshop Changes for 2017

- Use of “Target Rater Group” for establishing Workshop Targets.
- New Merit Scale Breakdown Limits.
- New Method for Entering Carbon Ratings.
- Implement a Minimum Standard Deviation for results calculations.
- DD13 Scuffing Evaluation



Rating Booth Time Limits

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



Review of TMC Manual 20 Rating Fundamentals

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

Non-Carbon Deposits

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



Merit Rating Scale

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



Manual 20 Definitions

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



Manual 20 Definitions (cont)

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



Manual 20 Definitions (cont)

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



Varnish & Rust

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



Manual 20 “Clean” Search

Sludge Rating Scale

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

Rust/Varnish/Rubbed Carbon Rating Scale

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

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

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



Sludge (Page 23)

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

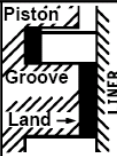
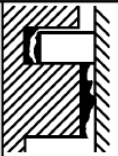

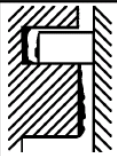



Carbon (Page 19)

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



Manual 20 Carbon Levels

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

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



Groove Deposit Review

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



Groove Deposit Review

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



Groove Deposit Review

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



Groove Deposit Review

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



Recording Carbon Levels

- Carbon Merit Ratings are to be recorded using text values, not numbers, in the workshop software.
 - HC Heavy Carbon (0.00 merits)
 - MC Medium Carbon (0.50 merits)
 - LC Light Carbon (0.75 merits)
 - **Text values ARE CASE SENSITIVE**



Results Calculations

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



Workshop Color Codes

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



Workshop Color Codes

- Heavy Duty Piston Deposits (minimum of 6 parts needed)
 - Three “Lettered” Piston sets
 - Nine Keystone Pistons
 - Nine C13-Type Pistons
 - Three DV4 Pistons
- C13 Ring Carbon (minimum 24 rings needed)
 - Six Sets of C13 Rings
- Sludge (must rate all parts)
 - Two ISM Rocker Covers
 - Two ISM Oil Pans
 - Left & Right Sequence V Valve Deck



“Bracketed” Ratings

- For this workshop, “bracketed” ratings are specified for certain locations of pistons rated in the Demerit Scale, which is indicated on the booth sign for that part.
- On any part where bracketed ratings are indicated by the rating booth signs, record your bracketed rating values and not the actual rated result.
- **Only record bracketed ratings if instructed to do so by the booth signs.**



#1 Rating Myth Dispelled


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



Heavy Duty Rating Workshop
Data Entry Network


<http://192.168.1.108/>






DD13 Scuffing
Brian Foecking
10/02/2017


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DD13 Scuffing



- What is the DD13 Scuffing Test?
 - The DD13 Daimler engine is a 13L, inline 6 cylinder engine. The production engine uses coated rings for highway use. These are replaced with uncoated rings for the test to produce liner scuffing.



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DD13 Scuffing



- Equipment needed to rate DD13 Rings and Liners
 - Illumination
 - A 4200⁰k to 7000⁰k bulb is needed
 - Fluorescent shop lamp commercially available can be used with the corresponding bulb installed
 - Templates
 - Liner 10 Segment Template
 - Ring 10 Segment Template
 - Plastic Rating Grid with 2mm x 10mm grids



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Lubrizol

DD13 Scuffing



Let's Review a couple definitions from D8074-16

- 3.1.1 Adhesive Wear
 - Wear due to localized bonding between contacting solid surfaces leading to material transfer between the surfaces or loss from either surface.
- 3.2.3 Scuff
 - A distress that disturbs the surface of the cylinder liner in such a manner as to prohibit identification of other prior surface finishes, including but not limited to polish and honing marks.
 - This is the definition to be used for liner scuffing ratings

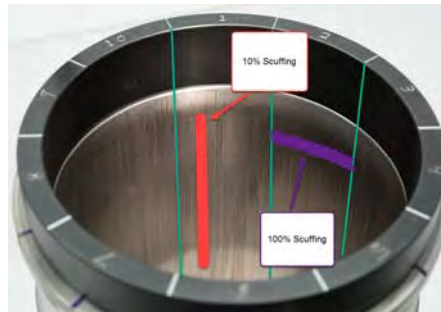
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Lubrizol

DD13 Scuffing



- Circumferential Rating
 - Rating a ring and liner circumferentially
 - Circumferential- lying within the circumference
 - Does not need to extend top to bottom, any affected area within ring travel around the circumference of the liner/ring



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Lubrizol

DD13 Scuffing



- Now that we have defined what we are looking at, lets go into how we are going to rate it



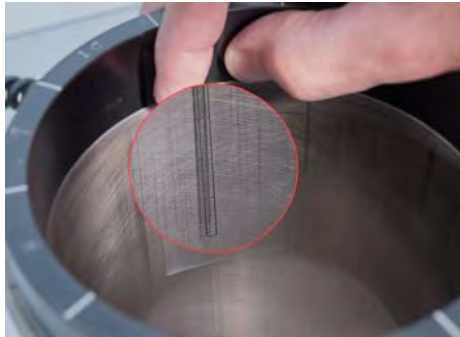
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DD13 Scuffing



- Rating liner Scuffing
 - 10.4.3.2 Any scuffed segment areas **less** than 2 mm wide x 10 mm long are classified as “not scuffed”.
 - The minimum resolution is 5% of the segment



Plastic Rating Template

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DD13 Scuffing




- Liner with 10 segment template
 - Segment 1 will always be in the 1 o'clock position with the leading/first segment line positioned with the front of the liner.
 - Each segment should be evaluated as 100%
 - Areas of scuffing less than 5% should not be combined to add up to a 5% area



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DD13 Scuffing




- Rating Procedure
 - Rate each segment as 100%
 - Add percentages of each section together
 - Divide by 10 to determine final scuffing percentage

Segment	1	2	3	4	5	6	7	8	9	10	Total %
Percentage	15%	75%	60%	100%	40%	10%	90%	55%	35%	50%	530%
Final rating %	53%										




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DD13 Scuffing



Ring Distress Ratings

- 10.5.1 General
 - Ring distress for this test is defined by ASTM Deposit Rating Manual 20 sections A-D on scuffing, scoring, wiping and seizing
 - All ring distress will be rated as ring scuffing
 - *** Integral to consistent and accurate rating





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DD13 Scuffing



- Page 7 of ASTM Manual 20

DEFINITIONS

The following definitions of terms for engine rating have been adopted for use with the rating techniques established by this manual in order that a common terminology may be used by all users of the techniques outlined herein. Other definitions relating to distress may be found in the ASTM Distress Rating Manual (ASTM Manual No. 21).

ABRASIVE WEAR - Wear caused by lapping of mating surfaces by fine particles suspended in lubricant, fuel, air, or imbedded in a surface.

ADHESIVE WEAR - Wear caused by shearing of junctions formed between operating surfaces in direct metal-to-metal contact; sheared-off particles either remain affixed to either of the mating surfaces or act as wear particles between the surfaces.

- (a) **Scuffing** - Localized adhesive wear distinguished by concentrated marks in the direction of motion, observed as a matte-finished area rather than individual score marks.
- (b) **Scoring** - The displacement of metal by local momentary welding of mating surfaces distinguished by definite scratch-like marks in the direction of motion, the marks being more distinct and extensive than scuff marks. Scoring may often be distinguished from abrasive scratching by the burnishing of surface area accompanying a scoring condition. This burnishing indicates definite contact between, and consequent local heating of, mating surfaces.
- (c) **Wiping** - Adhesive wear characterized by mechanical deformation or plastic flow of metal out of normal surface location, observed as extensive areas of polishing, discoloration, and eventual smearing of surface metal.
- (d) **Seizure** - The stopping of a moving part by a mating surface as a result of excessive friction caused by adhesive wear.

*NOTE: As defined above, "scuffing" describes a more concentrated, localized wear condition, whereas "scoring" and "wiping" describe wear over an extensive surface area. Therefore, the term "scuffing" lends itself to wear conditions associated with relative sliding motion of mating surfaces where duration of metal-to-metal contact is normally limited, such as in the case of cams and followers, piston skirts and liners. The terms "scoring" and "wiping" better describe wear conditions associated with bearing or rotating motion of mating surfaces, where duration of metal-to-metal contact may be longer, such as in the case of connecting rod journals and bearings.



DD13 Scuffing



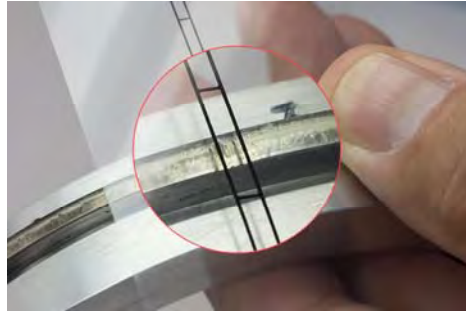
- Rating Ring Distress
 - When rating rings, any damage to the ring face should be considered "scuffing"



DD13 Scuffing



- The minimum resolution for ring rating is also 5%
- Small areas less than 2mm wide CAN be combined to add up to a 5% rated area



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DD13 Scuffing



- Rating Procedure
 - Rate each segment as 100%
 - Add percentages of each section together
 - Divide by 10 to determine final scuffing percentage

Segment	1	2	3	4	5	6	7	8	9	10	Total %
Percentage	45%	85%	60%	70%	80%	90%	100%	100%	70%	95%	795%
Final Rating %	80%										

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DD13 Scuffing



- Future Calibrated Rater Requirements
 - Currently by attending this workshop you will be considered to be in calibration for rating this test
 - Rater input/discussion is welcomed to help in the determining of future calibration criteria

A close-up photograph of an engine oil dipstick. The dipstick is partially inserted into the oil filler neck. The word "ENGINE" is embossed on the dipstick. The background is dark and out of focus.

Questions?



Thank You!

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Working together, achieving great things

When your company and ours combine energies, great things can happen. You bring ideas, challenges and opportunities. We'll bring powerful additive and market expertise, unmatched testing capabilities, integrated global supply and an independent approach to help you differentiate and succeed.

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LED vs. Fluorescent

Do we have to switch and what is out there?

Passion for Solutions®

CEC

- ▲ Has CEC switched?
- ▲ Simply, no.
- ▲ According to the Chair of the Rating Steering Group, they are still advocating the use of the 20w fluorescent tube lamp. But some labs are looking into switching.
- ▲ They expect a request for a formal evaluation, soon.

What fluorescent lights have been banned?

- ▲ T12 overhead tube lights are no longer being manufactured according to some websites.
- ▲ Some T8 overhead tube lights are no longer manufactured.
- ▲ T5 lights are the next, or current great thing.
- ▲ Some Halogen lights are being phased out.
- ▲ LED, because of efficiency (LPW), are being touted.
- ▲ Other smaller lights?

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Fluorescent availability

- ▲ T12 and T8 bulbs are readily available and cheap. They last approximately 8 years.
- ▲ 22w T9 circline bulb is readily available. There are also T5s in this category.
- ▲ F15T8 15w bulbs are also readily available and cheap.

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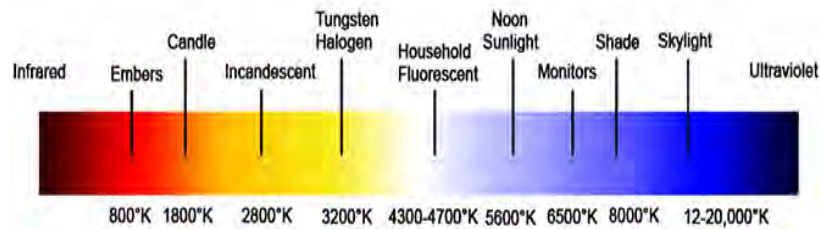
LED

- ▲ We have the Waldmann lamps.
 - Had a difficult time getting rid of the “Doppler Effect” from the circular lamp projecting on relatively clean areas on pistons.
 - After 2 different diffusers and a new light, that problem is solved.
 - What we learned, diffusers can have a very negative effect on color temperature. And, color temperature is probably the single most important part of measuring light.
- ▲ We discovered direct and indirect replacement LED bulbs that fit into current fluorescent fixtures and lamps.

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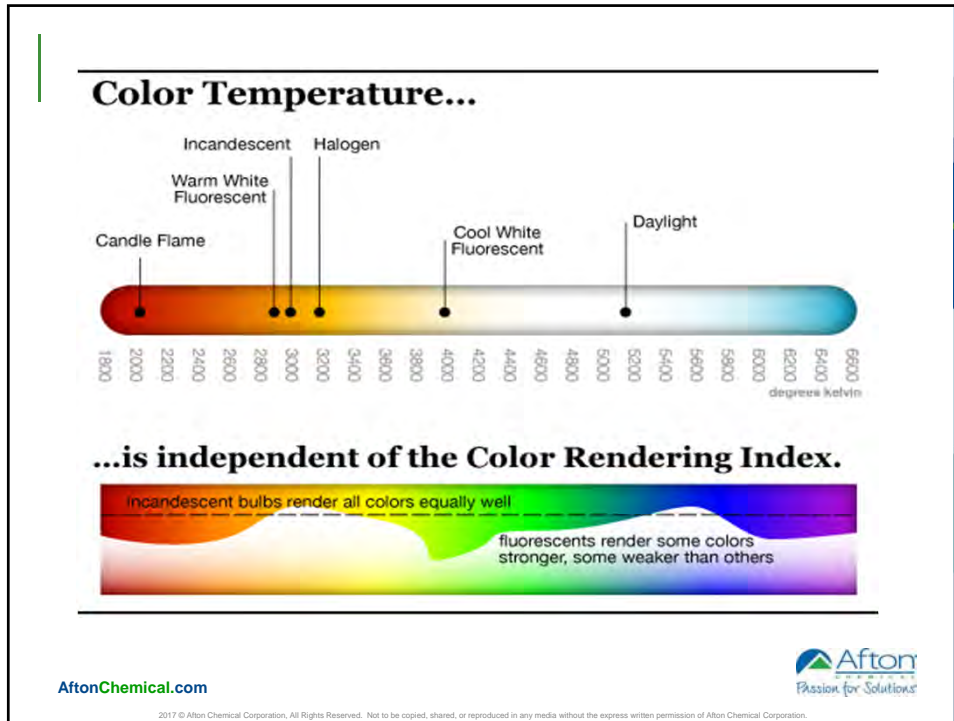
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Sekonic Light Meter Readings





Parameters	LUX	Foot Candles	Color Temperature	CRI
Light Readings - Desk lamps				
Fluorescent	3383	314	3966	65.2
Waldmann	7710	716	4082	84.0
LED bulbs	4808	447	4272	83.2
Light Readings - Circular				
Fluorescent	4198	390	4110	64.6
Waldmann	6005	560	4600	93.8
LED bulbs	8052	745	4282	85.0

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What do the Manual and Procedures say




-  **CRC Manual 20 (fluorescent)**
 Recommended Cool White 4500k, min. 200 foot
 candles (2150 lx)
-  **VH Procedure (fluorescent)**
 3800-6500 lx (pistons, RAC, cam baffles)
 3800-5400 lx, 4100k, CRI 62.0 (rest of engine)
-  **IIIH and GMOD Procedures**
 22w Circline Rating Lamp
-  **All other ASTM Procedures**
 Refer to CRC/ASTM Manual 20

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Negatives

-  **Fluorescent**
 -Being phased out
 -Very low CRI
-  **Waldmann**
 -too bright
 -on circular, color temp slightly high
 -costly
 -diode replacement
-  **Replacement LED bulbs**
 -too bright
 -have to rewire some lamps, maybe?

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Positives

Fluorescent

- Extremely cheap
- Consistent to what we've been doing since these guys were, and believe or not, some still are, raters.



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Waldmann

- Accurate lighting
- Color temp closer to original CRC specs
- Stylish

Replacement LED bulbs

- Accurate lighting
- Color temp closer to original CRC specs
- Low cost

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What if?

- ▶ Extra ratings would have to be performed
- ▶ CRC/ASTM Manual 20 has to be revised
- ▶ Some ASTM procedures would have to be revised
- ▶ We would have to get a couple committee approvals
- ▶ Communication with and possibly approvals from OEMs
- ▶ And as a side note, we should get approvals for portable and/or Field Test inspection lights.

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Heavy Duty Rating Workshop 2017

ISM Oil Pan Sludge 2,
ISM Rocker Cover Sludge 2,
Seq. V R Valve Deck Sludge

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

DD13 Cylinder Scuffing (3 sets: CYLA1-6, CYLB1-6, CYLC1-6),
DD13 Top Ring Scuffing (3 sets: TRAI-6, TRBI-6, TRCI-6),
DD13 2nd Ring Scuffing (3 sets: MRA1-6, MRBI-6, MRCI-6),
DD13 Oil Ring Scuffing (3 sets: ORA1-6, ORBI-6, ORCI-6)

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

ISM Oil Pan Sludge 1,
ISM Rocker Cover Sludge 1,
Seq. V L Valve Deck Sludge

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC	
Aguirre, Nancy P	34.75	40.06	1.30	0.59	1.89	24.46	1.93	17.00	25.00	0.00	
Arrizon, Richard	36.00	40.81	1.29	0.35	2.07	23.94	2.26	30.00	50.00	0.00	
Barrera, Tony	31.25	24.33	1.17	0.70	3.78	26.24	2.50	20.00	18.00	0.00	
Bolaney, Jonathan	34.75	43.06	2.15	0.39	3.20	23.90	2.77	25.00	42.00	0.00	
Broff, Andy	35.65	45.04	1.30	0.60	1.05	38.78	2.59	26.00	45.00	0.00	
CHEN, JIONGJING	33.25	24.85	1.21	0.57	3.24	25.00	2.65	22.00	17.00	0.00	
DeCapite, Vanessa	26.25	24.10	1.46	0.36	0.76	24.53	2.22	8.00	7.00	0.00	
Dominguez, Lucio	31.50	24.28	0.99	0.52	3.70	26.14	2.03	13.00	9.00	0.00	
Foeking, Brian	33.75	39.10	1.65	0.71	2.87	24.26	2.68	25.00	39.00	0.00	
Gao, Siyuan	37.50	27.25	1.80	1.60	5.06	58.90	3.12	80.00	60.00	0.00	
Hayden, Matthew	34.25	37.10	1.29	0.51	3.19	25.05	3.02	22.00	34.00	0.00	
Hill, Howard P.	35.64	36.83	2.08	0.37	1.69	29.19	2.79	28.00	41.00	0.00	
Hodgson, Joshua	35.09	25.84	1.27	0.23	2.45	22.98	2.69	20.00	54.00	0.00	
Lonsway, Chris	30.75	40.62	1.20	0.39	2.11	23.86	2.82	17.00	40.00	0.00	
Lopez, Frank	31.25	26.05	1.64	0.62	4.99	24.51	2.54	16.00	24.00	0.00	
May, Marianne	33.75	40.84	0.71	0.36	2.26	24.55	2.29	20.00	41.00	0.00	
Ramirez, Ray	31.75	29.37	1.46	0.58	2.40	34.06	2.05	31.00	29.00	0.00	
Reese, Kyle	32.00	31.56	1.45	0.61	1.89	24.10	2.84	32.00	31.00	0.00	
Rodriguez, Jesus (Jesse)	32.75	27.83	1.67	0.58	3.07	24.70	1.54	9.00	17.00	1.00	
Sanchez, Arthur	28.75	35.28	1.10	0.38	3.32	29.70	1.64	14.00	26.00	0.00	
Seiz, Ray	36.00	39.33	0.99	0.29	4.07	29.19	2.64	21.00	25.00	0.00	
Tang, Chuan	33.00	24.08	1.26	0.73	2.60	23.60	2.86	30.00	48.00	0.00	
Veiga, Victor	31.50	41.58	1.54	1.69	3.54	25.43	3.41	31.00	39.00	0.00	
Veiga, Victor (Rerate)	31.50	41.58	1.16	0.62	3.54	25.43	3.41	17.00	39.00	0.00	
You, Dalong	32.50	46.60	1.28	0.44	3.01	28.49	2.02	23.00	40.00	0.00	
Zalewski, John	35.00	48.12	1.44	0.43	2.24	26.26	2.62	45.00	55.00	0.00	
MAXIMUM	34.75	41.58	1.67	0.71	3.78	29.70	3.41	31.00	41.00	0.00	
MINIMUM	26.25	24.10	0.71	0.36	0.76	23.86	1.54	8.00	7.00	0.00	
RANGE(MAX-MIN)	8.500	17.480	0.960	0.350	3.020	5.840	1.870	23.000	34.000	0.000	
MEAN	31.500	34.860	1.311	0.509	2.622	25.303	2.337	17.889	28.000	0.000	
STANDARD DEVIATION	2.693	7.377	0.308	0.153	0.957	1.790	0.595	7.288	12.400	0.100	
N SIZE	26.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A1 - KEYSTONE

A1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	1.21	0.70	-0.04	0.53	-0.77	-0.47	-0.68	-0.12	-0.24	0.00
Arrizon, Richard	1.67	0.81	-0.07	-1.04	-0.58	-0.76	-0.13	1.66	1.77	0.00
Barrera, Tony	-0.09	-1.43	-0.46	1.25	1.21	0.52	0.27	0.29	-0.81	0.00
Bolaney, Jonathan	1.21	1.11	2.73	-0.78	0.60	-0.78	0.73	0.98	1.13	0.00
Broff, Andy	1.54	1.38	-0.04	0.60	-1.64	7.53	0.43	1.11	1.37	0.00
CHEN, JIONGJING	0.65	-1.36	-0.33	0.40	0.65	-0.17	0.53	0.56	-0.89	0.00
DeCapite, Vanessa	-1.95	-1.46	0.48	-0.97	-1.95	-0.43	-0.20	-1.36	-1.69	0.00
Dominguez, Lucio	0.00	-1.43	-1.04	0.07	1.13	0.47	-0.52	-0.67	-1.53	0.00
Foeking, Brian	0.84	0.57	1.10	1.32	0.26	-0.58	0.58	0.98	0.89	0.00
Gao, Siyuan	2.23	-1.03	1.59	6.48	2.55	18.77	1.32	8.52	2.58	0.00
Hayden, Matthew	1.02	0.30	-0.07	0.01	0.59	-0.14	1.15	0.56	0.48	0.00
Hill, Howard P.	1.54	0.27	2.50	-0.91	-0.97	2.17	0.76	1.39	1.05	0.00
Hodgson, Joshua	1.33	-1.22	-0.13	-1.82	-0.18	-1.30	0.59	0.29	2.10	0.00
Lonsway, Chris	-0.28	0.78	-0.36	-0.78	-0.54	-0.81	0.81	-0.12	0.97	0.00
Lopez, Frank	-0.09	-1.19	1.07	0.73	2.47	-0.44	0.34	-0.26	-0.32	0.00
May, Marianne	0.84	0.81	-1.95	-0.97	-0.38	-0.42	-0.08	0.29	1.05	0.00
Ramirez, Ray	0.09	-0.74	0.48	0.47	-0.23	4.89	-0.48	1.80	0.08	0.00
Reese, Kyle	0.19	-0.45	0.45	0.66	-0.77	-0.67	0.85	1.94	0.24	0.00
Rodriguez, Jesus (Jesse)	0.46	-0.95	1.17	0.47	0.47	-0.34	-1.34	-1.22	-0.89	10.00
Sanchez, Arthur	-1.02	0.06	-0.69	-0.84	0.73	2.46	-1.17	-0.53	-0.16	0.00
Seiz, Ray	1.67	0.61	-1.04	-1.43	1.51	2.17	0.51	0.43	-0.24	0.00
Tang, Chuan	0.56	-1.46	-0.17	1.45	-0.02	-0.95	0.88	1.66	1.61	0.00
Veiga, Victor	0.00	0.91	0.74	7.72	0.96	0.07	1.80	1.80	0.89	0.00
Veiga, Victor (Rerate)	0.00	0.91	-0.49	0.73	0.96	0.07	1.80	-0.12	0.89	0.00
You, Dalong	0.37	1.59	-0.10	-0.45	0.41	1.78	-0.53	0.70	0.97	0.00
Zalewski, John	1.30	1.80	0.42	-0.52	-0.40	0.53	0.48	3.72	2.18	0.00
MAXIMUM	-1.95	-1.46	-1.95	1.32	-1.95	2.46	1.80	1.80	-1.69	0.00
MINIMUM	0.00	0.06	-0.04	0.47	0.26	0.07	-0.08	-0.12	-0.16	0.00
RANGE(MAX-MIN)	-1.950	-1.516	-1.919	0.850	-2.205	2.385	1.883	1.921	-1.532	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	26.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC	
Aguirre, Nancy P	34.75	24.10	1.18	0.83	4.91	27.10	6.95	23.00	16.00	0.00	
Arrizon, Richard	37.00	24.39	1.17	0.46	3.49	24.87	7.84	36.00	32.00	0.00	
Barrera, Tony	33.75	24.15	1.34	0.88	7.67	26.23	7.35	25.00	19.00	0.00	
Bolaney, Jonathan	32.00	24.51	0.97	0.69	9.35	25.36	7.93	18.00	18.00	0.00	
Broff, Andy	28.08	21.60	1.16	0.50	2.42	35.32	5.43	15.00	15.00	0.00	
CHEN, JIONGJING	36.50	23.50	1.18	0.71	5.01	25.68	8.65	30.00	20.00	0.00	
DeCapite, Vanessa	34.75	24.34	0.95	0.22	3.74	27.49	5.95	9.00	6.00	0.00	
Dominguez, Lucio	34.25	24.35	1.14	0.66	6.98	26.22	6.99	24.00	15.00	0.00	
Foecking, Brian	33.25	23.85	1.20	0.96	9.45	26.14	7.48	20.00	22.00	0.00	
Gao, Siyuan	41.25	30.75	2.01	1.50	5.35	89.15	8.98	90.00	90.00	0.00	
Hill, Howard P.	37.75	23.81	1.13	0.45	6.51	30.12	5.61	24.00	30.00	0.00	
Lonsway, Chris	35.00	24.16	0.99	0.57	4.07	26.68	6.10	22.00	20.00	0.00	
Lopez, Frank	34.25	24.52	1.32	0.85	6.92	28.90	7.18	23.00	20.00	0.00	
Lu, Dongsheng	34.00	24.36	1.35	1.10	3.75	26.77	7.80	27.00	20.00	0.00	
May, Marianne	36.00	24.22	0.71	0.44	4.35	25.70	6.95	22.00	12.00	0.00	
Ramirez, Ray	38.50	26.35	1.05	0.60	8.22	29.29	7.13	38.00	27.00	0.00	
Reese, Kyle	32.50	25.44	1.38	1.31	13.38	26.56	7.76	32.00	25.00	0.00	
Rodriguez, Jesus (Jesse)	34.75	24.10	2.02	1.04	8.34	25.83	6.95	15.00	18.00	0.00	
Sanchez, Arthur	35.75	24.10	0.87	0.56	6.54	27.12	6.25	18.00	15.00	0.00	
Seiz, Ray	33.75	24.23	0.88	0.41	10.73	26.95	7.61	13.00	7.00	0.00	
Tang, Chuan	38.00	24.41	1.27	0.73	4.50	24.83	6.82	34.00	35.00	0.00	
Veiga, Victor	32.50	24.36	2.61	2.33	10.47	24.95	8.73	31.00	23.00	0.00	
Veiga, Victor (Rerate)	32.50	24.36	1.36	0.86	10.47	24.95	8.73	28.00	20.00	0.00	
You, Dalong	36.00	24.13	1.39	0.47	5.39	25.65	7.40	16.00	4.00	0.00	
Zalewski, John	32.50	28.22	1.38	0.76	4.68	31.40	7.26	28.00	45.00	0.00	
MAXIMUM	36.00	24.36	2.61	2.33	10.47	27.49	8.73	31.00	23.00	0.00	
MINIMUM	32.50	23.85	0.71	0.22	3.74	24.95	5.95	9.00	6.00	0.00	
RANGE(MAX-MIN)	3.500	0.510	1.900	2.110	6.730	2.540	2.780	22.000	17.000	0.000	
MEAN	34.500	24.153	1.319	0.870	6.616	26.360	6.968	20.556	16.778	0.000	
STANDARD DEVIATION	1.139	0.151	0.613	0.609	2.494	0.812	0.853	6.227	5.310	0.100	
N SIZE	25.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A2 - KEYSTONE

A2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.22	-0.35	-0.23	-0.07	-0.68	0.91	-0.02	0.39	-0.15	0.00
Arrizon, Richard	2.20	1.57	-0.24	-0.67	-1.25	-1.84	1.02	2.48	2.87	0.00
Barrera, Tony	-0.66	-0.02	0.03	0.02	0.42	-0.16	0.45	0.71	0.42	0.00
Bolaney, Jonathan	-2.20	2.36	-0.57	-0.30	1.10	-1.23	1.13	-0.41	0.23	0.00
Broff, Andy	-5.64	-16.90	-0.26	-0.61	-1.68	-11.03	-1.80	-0.89	-0.33	0.00
CHEN, JIONGJING	1.76	-4.32	-0.23	-0.26	-0.64	-0.84	1.97	1.52	0.61	0.00
DeCapite, Vanessa	0.22	1.24	-0.60	-1.07	-1.15	1.39	-1.19	-1.86	-2.03	0.00
Dominguez, Lucio	-0.22	1.30	-0.29	-0.35	0.15	-0.17	0.03	0.55	-0.33	0.00
Foecking, Brian	-1.10	-2.01	-0.19	0.15	1.14	-0.27	0.60	-0.09	0.98	0.00
Gao, Siyuan	5.93	43.66	1.13	1.04	-0.51	77.33	2.36	11.15	13.79	0.00
Hill, Howard P.	2.85	-2.27	-0.31	-0.69	-0.04	4.63	-1.59	0.55	2.49	0.00
Lonsway, Chris	0.44	0.04	-0.54	-0.49	-1.02	0.39	-1.02	0.23	0.61	0.00
Lopez, Frank	-0.22	2.43	0.00	-0.03	0.12	3.13	0.25	0.39	0.61	0.00
Lu, Dongsheng	-0.44	1.37	0.05	0.38	-1.15	0.50	0.98	1.03	0.61	0.00
May, Marianne	1.32	0.44	-0.99	-0.71	-0.91	-0.81	-0.02	0.23	-0.90	0.00
Ramirez, Ray	3.51	14.54	-0.44	-0.44	0.64	3.61	0.19	2.80	1.93	0.00
Reese, Kyle	-1.76	8.32	0.10	0.72	2.71	0.25	0.93	1.84	1.55	0.00
Rodriguez, Jesus (Jesse)	0.22	-0.35	1.14	0.28	0.69	-0.65	-0.02	-0.89	0.23	0.00
Sanchez, Arthur	1.10	-0.35	-0.73	-0.51	-0.03	0.94	-0.84	-0.41	-0.33	0.00
Seiz, Ray	-0.66	0.51	-0.72	-0.76	1.65	0.73	0.75	-1.21	-1.84	0.00
Tang, Chuan	3.07	1.70	-0.08	-0.23	-0.85	-1.88	-0.17	2.16	3.43	0.00
Veiga, Victor	-1.76	1.37	2.11	2.40	1.55	-1.74	2.07	1.68	1.17	0.00
Veiga, Victor (Rerate)	-1.76	1.37	0.07	-0.02	1.55	-1.74	2.07	1.20	0.61	0.00
You, Dalong	1.32	-0.15	0.12	-0.66	-0.49	-0.87	0.51	-0.73	-2.41	0.00
Zalewski, John	-1.76	26.92	0.10	-0.18	-0.78	6.21	0.34	1.20	5.32	0.00
MAXIMUM	-1.76	-2.01	2.11	2.40	1.55	-1.74	2.07	-1.86	-2.03	0.00
MINIMUM	0.22	-0.02	0.03	0.02	-0.03	-0.16	-0.02	-0.09	-0.15	0.00
RANGE(MAX-MIN)	-1.976	-1.986	2.071	2.382	1.576	-1.576	2.087	-1.767	-1.883	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	25,000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC	
Aguirre, Nancy P	30.50	36.62	0.83	0.56	2.17	18.48	0.88	17.00	41.00	0.00	
Arrizon, Richard	32.75	36.40	1.07	0.30	3.35	20.46	0.97	29.00	56.00	0.00	
Barrera, Tony	32.50	23.98	0.96	0.46	3.92	22.47	1.11	20.00	17.00	0.00	
Bolaney, Jonathan	32.50	38.39	1.02	0.26	3.86	20.15	0.65	16.00	42.00	0.00	
Broff, Andy	31.55	52.71	1.25	0.00	1.60	26.40	2.10	38.00	60.00	0.00	
CHEN, JIONGJING	31.50	24.10	1.10	0.80	3.53	18.63	1.26	15.00	16.00	0.00	
DeCapite, Vanessa	32.00	23.90	0.22	0.11	1.42	18.87	0.73	13.00	27.00	0.00	
Dominguez, Lucio	31.00	24.77	1.36	0.44	4.17	22.28	1.37	11.00	10.00	0.00	
Foecking, Brian	31.75	38.50	1.17	0.46	3.46	19.33	0.52	20.00	45.00	0.00	
Gao, Siyuan	26.39	37.25	1.86	1.50	4.05	39.09	1.78	60.00	50.00	0.00	
Hayden, Matthew	33.50	35.02	0.83	0.31	2.55	19.90	2.02	21.00	23.00	0.00	
Hill, Howard P.	32.02	28.10	1.23	0.38	3.23	17.71	1.23	23.00	45.00	0.00	
Hodgson, Joshua	32.00	28.60	0.46	0.19	1.27	18.17	0.65	16.00	47.00	0.00	
Lonsway, Chris	32.25	30.25	0.63	0.24	1.79	17.65	0.85	20.00	46.00	0.00	
Lopez, Frank	28.75	31.62	1.17	0.79	2.67	23.76	1.34	15.00	34.00	0.00	
May, Marianne	32.50	38.62	0.38	0.28	2.43	21.10	0.64	17.00	48.00	0.00	
Ramirez, Ray	30.25	23.68	1.11	0.58	4.34	32.74	1.53	40.00	23.00	0.00	
Reese, Kyle	29.50	23.93	2.02	0.68	2.98	18.55	1.41	29.00	23.00	0.00	
Rodriguez, Jesus (Jesse)	29.75	30.97	1.53	0.82	3.13	22.02	0.85	12.00	35.00	0.00	
Sanchez, Arthur	29.00	41.53	0.57	0.55	3.31	26.79	1.32	18.00	42.00	0.00	
Seiz, Ray	35.25	22.82	0.51	0.37	3.88	17.68	1.26	18.00	4.00	0.00	
Tang, Chuan	30.50	23.49	1.18	0.58	2.67	15.17	1.27	20.00	30.00	0.00	
Veiga, Victor	35.00	23.29	2.72	0.81	4.73	19.39	2.30	35.00	25.00	0.00	
Veiga, Victor (Rerate)	35.00	23.29	0.94	0.81	4.73	19.39	2.30	20.00	24.00	0.00	
You, Dalong	32.00	38.81	0.62	0.47	2.73	21.09	1.18	15.00	30.00	0.00	
Zalewski, John	75.75	53.68	0.78	0.30	3.06	12.18	0.93	85.00	40.00	0.00	
MAXIMUM	35.00	41.53	2.72	0.82	4.73	26.79	2.30	35.00	48.00	0.00	
MINIMUM	29.00	23.29	0.22	0.11	1.42	17.65	0.52	12.00	17.00	0.00	
RANGE(MAX-MIN)	6.000	18.240	2.500	0.710	3.310	9.140	1.780	23.000	31.000	0.000	
MEAN	31.694	31.962	1.001	0.477	2.929	20.678	1.022	19.111	36.222	0.000	
STANDARD DEVIATION	1.771	7.143	0.759	0.243	1.066	2.813	0.535	6.642	10.895	0.100	
N SIZE	26.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A3 - KEYSTONE

A3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	-0.67	0.65	-0.23	0.34	-0.71	-0.78	-0.27	-0.32	0.44	0.00
Arrizon, Richard	0.60	0.62	0.09	-0.73	0.40	-0.08	-0.10	1.49	1.82	0.00
Barrera, Tony	0.45	-1.12	-0.05	-0.07	0.93	0.64	0.16	0.13	-1.76	0.00
Bolaney, Jonathan	0.45	0.90	0.02	-0.89	0.87	-0.19	-0.70	-0.47	0.53	0.00
Broff, Andy	-0.08	2.90	0.33	-1.96	-1.25	2.03	2.01	2.84	2.18	0.00
CHEN, JIONGJING	-0.11	-1.10	0.13	1.33	0.56	-0.73	0.44	-0.62	-1.86	0.00
DeCapite, Vanessa	0.17	-1.13	-1.03	-1.51	-1.42	-0.64	-0.55	-0.92	-0.85	0.00
Dominguez, Lucio	-0.39	-1.01	0.47	-0.15	1.16	0.57	0.65	-1.22	-2.41	0.00
Foecking, Brian	0.03	0.92	0.22	-0.07	0.50	-0.48	-0.94	0.13	0.81	0.00
Gao, Siyuan	-2.99	0.74	1.13	4.22	1.05	6.55	1.42	6.16	1.26	0.00
Hayden, Matthew	1.02	0.43	-0.23	-0.69	-0.36	-0.28	1.86	0.28	-1.21	0.00
Hill, Howard P.	0.18	-0.54	0.30	-0.40	0.28	-1.06	0.39	0.59	0.81	0.00
Hodgson, Joshua	0.17	-0.47	-0.71	-1.18	-1.56	-0.89	-0.70	-0.47	0.99	0.00
Lonsway, Chris	0.31	-0.24	-0.49	-0.98	-1.07	-1.08	-0.32	0.13	0.90	0.00
Lopez, Frank	-1.66	-0.05	0.22	1.29	-0.24	1.10	0.59	-0.62	-0.20	0.00
May, Marianne	0.45	0.93	-0.82	-0.81	-0.47	0.15	-0.71	-0.32	1.08	0.00
Ramirez, Ray	-0.82	-1.16	0.14	0.43	1.32	4.29	0.95	3.15	-1.21	0.00
Reese, Kyle	-1.24	-1.12	1.34	0.84	0.05	-0.76	0.72	1.49	-1.21	0.00
Rodriguez, Jesus (Jesse)	-1.10	-0.14	0.70	1.42	0.19	0.48	-0.32	-1.07	-0.11	0.00
Sanchez, Arthur	-1.52	1.34	-0.57	0.30	0.36	2.17	0.56	-0.17	0.53	0.00
Seiz, Ray	2.01	-1.28	-0.65	-0.44	0.89	-1.07	0.44	-0.17	-2.96	0.00
Tang, Chuan	-0.67	-1.19	0.24	0.43	-0.24	-1.96	0.46	0.13	-0.57	0.00
Veiga, Victor	1.87	-1.21	2.26	1.37	1.69	-0.46	2.39	2.39	-1.03	0.00
Veiga, Victor (Rerate)	1.87	-1.21	-0.08	1.37	1.69	-0.46	2.39	0.13	-1.12	0.00
You, Dalong	0.17	0.96	-0.50	-0.03	-0.19	0.15	0.29	-0.62	-0.57	0.00
Zalewski, John	24.87	3.04	-0.29	-0.73	0.12	-3.02	-0.17	9.92	0.35	0.00
MAXIMUM	1.87	1.34	2.26	-1.51	1.69	2.17	2.39	2.39	-1.76	0.00
MINIMUM	0.03	-0.14	-0.05	-0.07	0.19	0.15	0.16	0.13	-0.11	0.00
RANGE(MAX-MIN)	1.835	1.478	2.318	-1.442	1.501	2.023	2.223	2.259	-1.652	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	26.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	29.84	12.80	1.50	11.15	27.85	4.04	1.50	15.00	2.00	1.00	29.00
Barrera, Tony	32.34	13.91	1.50	12.98	36.39	4.95	1.50	33.00	2.00	2.00	55.00
Bolaney, Jonathan	37.30	18.60	1.50	10.90	30.35	4.45	1.50	35.00	3.00	1.00	50.00
Broff, Andy	55.50	8.40	3.00	9.01	39.15	3.67	1.50	38.00	0.00	1.00	82.00
DeCapite, Vanessa	26.35	16.10	1.50	7.30	37.85	3.68	3.30	29.00	2.00	1.00	50.00
Dominguez, Lucio	32.02	13.76	1.50	12.44	35.99	5.01	1.50	16.00	6.00	1.00	28.00
Foeking, Brian	43.11	18.88	1.50	10.76	34.22	5.04	1.44	44.00	3.00	1.00	54.00
Gao, Siyuan	48.50	14.08	3.30	15.94	49.75	8.36	4.18	90.00	30.00	3.00	98.00
Hayden, Matthew	46.24	19.38	1.98	7.74	33.75	3.66	1.62	43.00	7.00	1.00	61.00
Hill, Howard P.	40.72	7.15	2.58	7.51	29.88	4.69	1.50	42.00	2.00	0.00	64.00
Lonsway, Chris	29.60	12.07	2.16	10.59	31.00	4.64	1.50	47.00	5.00	1.00	39.00
Lopez, Frank	33.53	18.07	2.10	10.65	35.36	4.30	2.25	29.00	4.00	1.00	40.00
May, Marianne	45.88	16.28	2.26	10.83	29.29	4.26	1.60	40.00	2.00	1.00	54.00
Ramirez, Ray	44.16	15.87	0.62	25.75	40.75	5.30	1.34	44.00	14.00	1.00	19.00
Reese, Kyle	41.38	15.25	2.10	9.94	33.83	4.99	1.50	40.00	3.00	2.00	33.00
Rodriguez, Jesus (Jesse)	44.43	10.35	3.46	9.79	30.19	6.36	3.76	23.00	2.00	1.00	38.00
Sanchez, Arthur	53.56	14.12	1.74	10.22	39.47	3.45	1.50	33.00	1.00	2.00	36.00
Seiz, Ray	52.32	13.03	3.25	13.53	38.46	5.01	1.50	52.00	3.00	3.00	56.00
Veiga, Victor	39.89	21.86	2.70	10.19	24.76	5.02	2.08	38.00	10.00	0.00	58.00
Veiga, Victor (Rerate)	39.89	21.86	2.70	10.19	24.76	5.02	2.08	38.00	3.00	0.00	58.00
You, Dalong	42.68	10.76	2.10	10.64	39.04	6.13	1.65	30.00	2.00	3.00	42.00
Zalewski, John	28.45	18.72	1.50	9.18	48.22	5.02	1.50	28.00	10.00	1.00	55.00
MAXIMUM	53.56	21.86	3.46	12.98	39.47	6.36	3.76	47.00	10.00	2.00	58.00
MINIMUM	26.35	10.35	1.50	7.30	24.76	3.45	1.44	15.00	1.00	0.00	29.00
RANGE(MAX-MIN)	27.210	11.510	1.960	5.680	14.710	2.910	2.320	32.000	9.000	2.000	29.000
MEAN	38.333	15.152	2.036	10.423	32.336	4.604	2.020	33.556	3.222	1.111	45.889
STANDARD DEVIATION	9.214	3.567	0.687	1.484	4.930	0.880	0.885	10.175	2.774	0.601	10.434
N SIZE	22.000										

Part ID= A4 - C13-STYLE

A4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Aguirre, Nancy P	-0.92	-0.66	-0.78	0.49	-0.91	-0.64	-0.59	-1.82	-0.44	-0.18	-1.62
Barrera, Tony	-0.65	-0.35	-0.78	1.72	0.82	0.39	-0.59	-0.05	-0.44	1.48	0.87
Bolaney, Jonathan	-0.11	0.97	-0.78	0.32	-0.40	-0.18	-0.59	0.14	-0.08	-0.18	0.39
Broff, Andy	1.86	-1.89	1.40	-0.95	1.38	-1.06	-0.59	0.44	-1.16	-0.18	3.46
DeCapite, Vanessa	-1.30	0.27	-0.78	-2.10	1.12	-1.05	1.45	-0.45	-0.44	-0.18	0.39
Dominguez, Lucio	-0.69	-0.39	-0.78	1.36	0.74	0.46	-0.59	-1.73	1.00	-0.18	-1.71
Foeking, Brian	0.52	1.05	-0.78	0.23	0.38	0.50	-0.66	1.03	-0.08	-0.18	0.78
Gao, Siyuan	1.10	-0.30	1.84	3.70	3.53	4.27	2.44	5.55	9.65	3.14	4.99
Hayden, Matthew	0.86	1.19	-0.08	-1.81	0.29	-1.07	-0.45	0.93	1.36	-0.18	1.45
Hill, Howard P.	0.26	-2.24	0.79	-1.96	-0.50	0.10	-0.59	0.83	-0.44	-1.85	1.74
Lonsway, Chris	-0.95	-0.86	0.18	0.11	-0.27	0.04	-0.59	1.32	0.64	-0.18	-0.66
Lopez, Frank	-0.52	0.82	0.09	0.15	0.61	-0.35	0.26	-0.45	0.28	-0.18	-0.56
May, Marianne	0.82	0.32	0.33	0.27	-0.62	-0.39	-0.47	0.63	-0.44	-0.18	0.78
Ramirez, Ray	0.63	0.20	-2.06	10.33	1.71	0.79	-0.77	1.03	3.89	-0.18	-2.58
Reese, Kyle	0.33	0.03	0.09	-0.33	0.30	0.44	-0.59	0.63	-0.08	1.48	-1.24
Rodriguez, Jesus (Jesse)	0.66	-1.35	2.07	-0.43	-0.44	2.00	1.97	-1.04	-0.44	-0.18	-0.76
Sanchez, Arthur	1.65	-0.29	-0.43	-0.14	1.45	-1.31	-0.59	-0.05	-0.80	1.48	-0.95
Seiz, Ray	1.52	-0.60	1.77	2.09	1.24	0.46	-0.59	1.81	-0.08	3.14	0.97
Veiga, Victor	0.17	1.88	0.97	-0.16	-1.54	0.47	0.07	0.44	2.44	-1.85	1.16
Veiga, Victor (Rerate)	0.17	1.88	0.97	-0.16	-1.54	0.47	0.07	0.44	-0.08	-1.85	1.16
You, Dalong	0.47	-1.23	0.09	0.15	1.36	1.73	-0.42	-0.35	-0.44	3.14	-0.37
Zalewski, John	-1.07	1.00	-0.78	-0.84	3.22	0.47	-0.59	-0.55	2.44	-0.18	0.87
MAXIMUM	1.65	1.88	2.07	-2.10	-1.54	2.00	1.97	-1.82	2.44	-1.85	-1.62
MINIMUM	0.17	0.27	0.18	0.11	-0.27	0.04	0.07	-0.05	-0.08	-0.18	0.39
RANGE(MAX-MIN)	1.484	1.615	1.893	-2.217	-1.266	1.955	1.899	-1.769	2.524	-1.664	-2.013
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	22.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	38.01	5.57	1.50	13.19	22.79	8.97	1.50	25.00	1.00	1.00	14.00	
Barrera, Tony	46.00	6.69	4.05	13.55	23.93	9.83	1.50	46.00	1.00	3.00	24.00	
Broff, Andy	47.70	3.15	1.70	12.62	18.00	14.58	1.50	53.00	0.00	6.00	36.00	
DeCapite, Vanessa	34.59	9.89	3.76	13.09	34.71	9.60	1.50	32.00	2.00	4.00	62.00	
Dominguez, Lucio	46.00	6.45	1.74	14.90	23.78	9.78	1.50	39.00	2.00	4.00	19.00	
Foecking, Brian	48.29	10.98	4.42	24.25	33.28	9.85	1.50	53.00	1.00	14.00	59.00	
Hill, Howard P.	57.53	6.19	4.78	12.81	21.82	12.48	1.50	56.00	1.00	5.00	30.00	
Jones, Christopher	50.74	7.25	4.48	15.23	20.81	7.98	1.50	53.00	1.00	5.00	59.00	
Lonsway, Chris	38.25	6.32	2.40	12.22	20.95	7.94	1.50	29.00	1.00	4.00	17.00	
Lopez, Frank	46.97	6.79	2.10	16.08	25.15	9.73	1.50	42.00	1.00	7.00	22.00	
Lu, Dongsheng	39.82	5.81	2.26	13.92	22.69	9.64	1.50	46.00	1.00	0.00	45.00	
May, Marianne	50.34	6.64	4.80	15.04	25.06	9.27	1.50	47.00	2.00	4.00	21.00	
Ramirez, Ray	49.50	7.14	1.50	15.97	33.88	10.23	7.38	49.00	4.00	7.00	5.00	
Reese, Kyle	49.75	4.55	1.50	14.05	21.73	6.08	1.50	43.00	3.00	5.00	10.00	
Rodriguez, Jesus (Jesse)	50.75	6.88	2.22	11.94	25.26	14.00	1.50	26.00	1.00	3.00	17.00	
Sanchez, Arthur	46.68	5.26	2.56	14.73	23.69	10.66	1.50	48.00	1.00	5.00	25.00	
Seiz, Ray	57.04	5.49	5.10	18.39	21.62	11.56	1.50	47.00	1.00	7.00	14.00	
Veiga, Victor	45.50	6.93	1.50	15.90	23.23	8.44	1.50	45.00	3.50	0.00	45.00	
Veiga, Victor (Rerate)	45.50	6.93	1.50	15.90	23.23	8.44	1.50	45.00	1.00	0.00	45.00	
You, Dalong	50.92	4.93	2.10	14.67	23.77	11.16	1.50	35.00	6.00	7.00	20.00	
Zalewski, John	61.00	6.87	3.84	14.07	25.45	13.47	1.50	70.00	5.00	4.00	25.00	
MAXIMUM	50.75	10.98	4.80	15.90	34.71	14.00	1.50	53.00	3.50	14.00	62.00	
MINIMUM	34.59	5.26	1.50	11.94	20.95	7.94	1.50	25.00	1.00	0.00	14.00	
RANGE(MAX-MIN)	16.160	5.720	3.300	3.960	13.760	6.060	0.000	28.000	2.500	14.000	48.000	
MEAN	44.268	7.240	3.023	13.708	25.878	9.840	1.500	39.000	1.500	4.222	31.556	
STANDARD DEVIATION	5.857	1.919	1.255	1.396	4.786	1.757	0.100	10.840	0.866	3.993	18.722	
N SIZE	21.000											

Part ID= A5 - C13-STYLE

A5 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	-1.07	-0.87	-1.21	-0.37	-0.65	-0.50	0.00	-1.29	-0.58	-0.81	-0.94	
Barrera, Tony	0.30	-0.29	0.82	-0.11	-0.41	-0.01	0.00	0.65	-0.58	-0.31	-0.40	
Broff, Andy	0.59	-2.13	-1.05	-0.78	-1.65	2.70	0.00	1.29	-1.73	0.45	0.24	
DeCapite, Vanessa	-1.65	1.38	0.59	-0.44	1.85	-0.14	0.00	-0.65	0.58	-0.06	1.63	
Dominguez, Lucio	0.30	-0.41	-1.02	0.85	-0.44	-0.03	0.00	0.00	0.58	-0.06	-0.67	
Foecking, Brian	0.69	1.95	1.11	7.55	1.55	0.01	0.00	1.29	-0.58	2.45	1.47	
Hill, Howard P.	2.26	-0.55	1.40	-0.64	-0.85	1.50	0.00	1.57	-0.58	0.19	-0.08	
Jones, Christopher	1.11	0.01	1.16	1.09	-1.06	-1.06	0.00	1.29	-0.58	0.19	1.47	
Lonsway, Chris	-1.03	-0.48	-0.50	-1.07	-1.03	-1.08	0.00	-0.92	-0.58	-0.06	-0.78	
Lopez, Frank	0.46	-0.23	-0.74	1.70	-0.15	-0.06	0.00	0.28	-0.58	0.70	-0.51	
Lu, Dongsheng	-0.76	-0.75	-0.61	0.15	-0.67	-0.11	0.00	0.65	-0.58	-1.06	0.72	
May, Marianne	1.04	-0.31	1.42	0.95	-0.17	-0.32	0.00	0.74	0.58	-0.06	-0.56	
Ramirez, Ray	0.89	-0.05	-1.21	1.62	1.67	0.22	58.80	0.92	2.89	0.70	-1.42	
Reese, Kyle	0.94	-1.40	-1.21	0.25	-0.87	-2.14	0.00	0.37	1.73	0.19	-1.15	
Rodriguez, Jesus (Jesse)	1.11	-0.19	-0.64	-1.27	-0.13	2.37	0.00	-1.20	-0.58	-0.31	-0.78	
Sanchez, Arthur	0.41	-1.03	-0.37	0.73	-0.46	0.47	0.00	0.83	-0.58	0.19	-0.35	
Seiz, Ray	2.18	-0.91	1.66	3.35	-0.89	0.98	0.00	0.74	-0.58	0.70	-0.94	
Veiga, Victor	0.21	-0.16	-1.21	1.57	-0.55	-0.80	0.00	0.55	2.31	-1.06	0.72	
Veiga, Victor (Rerate)	0.21	-0.16	-1.21	1.57	-0.55	-0.80	0.00	0.55	-0.58	-1.06	0.72	
You, Dalong	1.14	-1.20	-0.74	0.69	-0.44	0.75	0.00	-0.37	5.20	0.70	-0.62	
Zalewski, John	2.86	-0.19	0.65	0.26	-0.09	2.07	0.00	2.86	4.04	-0.06	-0.35	
MAXIMUM	-1.65	1.95	1.42	1.57	1.85	2.37	0.00	-1.29	2.31	2.45	1.63	
MINIMUM	0.21	-0.16	-0.37	-0.11	-0.13	-0.01	0.00	0.55	-0.58	-0.06	-0.35	
RANGE(MAX-MIN)	-1.863	2.111	1.785	1.684	1.975	2.374	0.000	-1.845	2.887	2.504	1.976	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	0.100	1.000	1.000	1.000	1.000	
N SIZE	21.000											

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	40.50	3.97	4.00	9.89	16.65	2.97	1.50	29.00	1.00	1.00	9.00	
Barrera, Tony	51.50	6.56	4.50	14.66	18.99	3.65	1.50	42.00	1.00	5.00	12.00	
Broff, Andy	49.75	7.25	6.30	16.93	27.28	3.77	3.60	73.00	0.00	13.00	24.00	
DeCapite, Vanessa	31.02	4.91	4.50	12.35	18.25	5.15	1.50	36.00	1.00	5.00	17.00	
Dominguez, Lucio	43.75	4.95	4.62	14.06	20.80	4.52	3.16	26.00	1.00	3.00	4.00	
Foecking, Brian	53.60	5.45	4.69	15.34	18.09	4.27	2.56	48.00	1.00	7.00	11.00	
Gao, Siyuan	53.75	5.76	3.96	19.17	20.99	7.12	5.10	70.00	10.00	12.00	55.00	
Hill, Howard P.	56.75	6.49	4.90	15.32	17.58	3.88	1.74	60.00	1.00	7.00	22.00	
Jones, Christopher	44.87	6.08	4.66	15.96	19.28	4.71	2.10	48.00	1.00	7.00	11.00	
Lonsway, Chris	34.00	4.30	4.45	14.93	19.15	3.34	4.50	42.00	1.00	5.00	8.00	
Lopez, Frank	43.31	4.81	3.60	12.99	17.34	3.85	1.50	40.00	1.00	5.00	16.00	
May, Marianne	52.00	6.88	3.70	13.52	18.36	4.03	1.92	48.00	1.00	3.00	12.00	
Ramirez, Ray	47.75	4.90	5.83	18.35	18.28	3.99	4.02	48.00	2.00	7.00	4.00	
Reese, Kyle	46.25	4.90	2.87	12.02	19.13	3.75	1.50	46.00	1.00	5.00	9.00	
Rodriguez, Jesus (Jesse)	39.88	5.93	3.76	39.68	30.05	5.60	3.76	47.00	1.00	22.00	32.00	
Sanchez, Arthur	50.25	3.51	2.41	13.45	16.70	4.56	1.50	59.00	1.00	7.00	10.00	
Seiz, Ray	58.32	5.19	4.44	18.10	22.35	3.74	1.50	37.00	1.00	10.00	15.00	
Tang, Chuan	42.25	4.76	3.88	11.95	16.13	4.16	3.28	39.00	3.50	0.00	27.00	
Veiga, Victor	41.75	6.26	6.00	12.13	20.14	4.86	3.12	40.00	1.00	0.00	27.00	
Veiga, Victor (Rerate)	41.75	5.55	6.00	12.13	18.23	4.86	3.12	40.00	1.00	0.00	27.00	
Zalewski, John	67.75	3.73	4.50	16.38	16.97	2.90	1.50	92.00	1.00	11.00	25.00	
MAXIMUM	53.60	6.88	6.00	15.34	20.14	5.60	4.50	59.00	1.00	22.00	32.00	
MINIMUM	31.02	3.51	2.41	9.89	16.65	2.97	1.50	29.00	1.00	0.00	8.00	
RANGE(MAX-MIN)	22.580	3.370	3.590	5.450	3.490	2.630	3.000	30.000	0.000	22.000	24.000	
MEAN	43.833	5.308	4.223	13.284	18.291	4.270	2.429	43.444	1.000	6.111	15.333	
STANDARD DEVIATION	8.322	1.202	0.962	1.798	1.190	0.864	1.133	8.487	0.100	6.431	8.515	
N SIZE	21.000											

Part ID= A6 - C13-STYLE

A6 Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	-0.40	-1.11	-0.23	-1.89	-1.38	-1.50	-0.82	-1.70	0.00	-0.79	-0.74	
Barrera, Tony	0.92	1.04	0.29	0.77	0.59	-0.72	-0.82	-0.17	0.00	-0.17	-0.39	
Broff, Andy	0.71	1.62	2.16	2.03	7.55	-0.58	1.03	3.48	-10.00	1.07	1.02	
DeCapite, Vanessa	-1.54	-0.33	0.29	-0.52	-0.03	1.02	-0.82	-0.88	0.00	-0.17	0.20	
Dominguez, Lucio	-0.01	-0.30	0.41	0.43	2.11	0.29	0.65	-2.06	0.00	-0.48	-1.33	
Foecking, Brian	1.17	0.12	0.49	1.14	-0.17	0.00	0.12	0.54	0.00	0.14	-0.51	
Gao, Siyuan	1.19	0.38	-0.27	3.27	2.27	3.30	2.36	3.13	90.00	0.92	4.66	
Hill, Howard P.	1.55	0.98	0.70	1.13	-0.60	-0.45	-0.61	1.95	0.00	0.14	0.78	
Jones, Christopher	0.12	0.64	0.45	1.49	0.83	0.51	-0.29	0.54	0.00	0.14	-0.51	
Lonsway, Chris	-1.18	-0.84	0.24	0.92	0.72	-1.08	1.83	-0.17	0.00	-0.17	-0.86	
Lopez, Frank	-0.06	-0.41	-0.65	-0.16	-0.80	-0.49	-0.82	-0.41	0.00	-0.17	0.08	
May, Marianne	0.98	1.31	-0.54	0.13	0.06	-0.28	-0.45	0.54	0.00	-0.48	-0.39	
Ramirez, Ray	0.47	-0.34	1.67	2.82	-0.01	-0.32	1.40	0.54	10.00	0.14	-1.33	
Reese, Kyle	0.29	-0.34	-1.41	-0.70	0.70	-0.60	-0.82	0.30	0.00	-0.17	-0.74	
Rodriguez, Jesus (Jesse)	-0.48	0.52	-0.48	14.68	9.88	1.54	1.18	0.42	0.00	2.47	1.96	
Sanchez, Arthur	0.77	-1.50	-1.88	0.09	-1.34	0.34	-0.82	1.83	0.00	0.14	-0.63	
Seiz, Ray	1.74	-0.10	0.23	2.68	3.44	-0.61	-0.82	-0.76	0.00	0.60	-0.04	
Tang, Chuan	-0.19	-0.46	-0.36	-0.74	-1.82	-0.13	0.75	-0.52	25.00	-0.95	1.37	
Veiga, Victor	-0.25	0.79	1.85	-0.64	1.55	0.68	0.61	-0.41	0.00	-0.95	1.37	
Veiga, Victor (Rerate)	-0.25	0.20	1.85	-0.64	-0.05	0.68	0.61	-0.41	0.00	-0.95	1.37	
Zalewski, John	2.87	-1.31	0.29	1.72	-1.11	-1.59	-0.82	5.72	0.00	0.76	1.14	
MAXIMUM	-1.54	-1.50	-1.88	-1.89	1.55	1.54	1.83	1.83	0.00	2.47	1.96	
MINIMUM	-0.25	0.12	-0.23	0.09	-0.03	0.00	0.12	-0.17	0.00	0.14	0.20	
RANGE(MAX-MIN)	-1.289	-1.615	-1.653	-1.980	1.588	1.539	1.713	2.003	0.000	2.332	1.762	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100	1.000	1.000	
N SIZE	21.000											

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= A7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Aguirre, Nancy P	31.00	11.20	0.13	10.09	0.13
Barrera, Tony	25.75	16.13	0.10	9.64	0.10
Bolaney, Jonathan	34.00	14.61	0.00	10.92	0.30
Broff, Andy	28.75	17.65	0.00	17.92	0.00
CHEN, JIONGJING	31.00	16.98	0.42	13.03	0.40
DeCapite, Vanessa	27.25	13.54	0.00	10.29	0.00
Dominguez, Lucio	26.50	15.42	0.12	9.21	0.17
Foecking, Brian	24.76	15.53	0.02	11.21	0.03
Hayden, Matthew	28.75	13.44	0.30	14.63	0.30
Hodgson, Joshua	29.50	10.34	0.75	8.86	0.28
Lonsway, Chris	28.00	9.63	0.10	6.35	0.10
Lu, Dongsheng	31.75	17.50	1.00	12.77	1.00
May, Marianne	27.25	15.36	0.02	9.50	0.18
Rodriguez, Jesus (Jesse)	27.25	22.63	0.68	21.91	0.20
Sanchez, Arthur	30.25	15.50	0.13	8.88	0.30
Seiz, Ray	36.25	18.68	0.47	16.19	0.16
Tang, Chuan	26.50	12.28	0.30	10.41	0.35
Veiga, Victor	26.50	12.85	0.20	10.18	0.28
Veiga, Victor (Rerate)	26.50	12.85	0.10	10.18	0.58
Zalewski, John	30.25	61.00	0.32	11.41	0.27
MAXIMUM	36.25	22.63	1.00	21.91	0.58
MINIMUM	24.76	9.63	0.00	6.35	0.00
RANGE(MAX-MIN)	11.490	13.000	1.000	15.560	0.580
MEAN	28.888	14.848	0.258	11.679	0.217
STANDARD DEVIATION	2.903	3.136	0.280	3.600	0.146
N SIZE	20.000				

Part ID= A7 - DV4 PISTON

A7 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Aguirre, Nancy P	0.73	-1.16	-0.46	-0.44	-0.60
Barrera, Tony	-1.08	0.41	-0.56	-0.57	-0.80
Bolaney, Jonathan	1.76	-0.08	-0.92	-0.21	0.56
Broff, Andy	-0.05	0.89	-0.92	1.73	-1.49
CHEN, JIONGJING	0.73	0.68	0.58	0.38	1.25
DeCapite, Vanessa	-0.56	-0.42	-0.92	-0.39	-1.49
Dominguez, Lucio	-0.82	0.18	-0.49	-0.69	-0.32
Foecking, Brian	-1.42	0.22	-0.85	-0.13	-1.28
Hayden, Matthew	-0.05	-0.45	0.15	0.82	0.56
Hodgson, Joshua	0.21	-1.44	1.76	-0.78	0.43
Lonsway, Chris	-0.31	-1.66	-0.56	-1.48	-0.80
Lu, Dongsheng	0.99	0.85	2.65	0.30	5.35
May, Marianne	-0.56	0.16	-0.85	-0.61	-0.26
Rodriguez, Jesus (Jesse)	-0.56	2.48	1.51	2.84	-0.12
Sanchez, Arthur	0.47	0.21	-0.46	-0.78	0.56
Seiz, Ray	2.54	1.22	0.76	1.25	-0.39
Tang, Chuan	-0.82	-0.82	0.15	-0.35	0.91
Veiga, Victor	-0.82	-0.64	-0.21	-0.42	0.43
Veiga, Victor (Rerate)	-0.82	-0.64	-0.56	-0.42	2.48
Zalewski, John	0.47	14.72	0.22	-0.07	0.36
MAXIMUM	2.54	2.48	2.65	2.84	2.48
MINIMUM	-0.05	-0.08	0.15	-0.07	-0.12
RANGE(MAX-MIN)	2.584	2.558	2.498	2.916	2.596
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000
N SIZE	20.000				

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	26.75	22.54	0.77	0.48	4.31	28.18	1.13	8.00	10.00	0.00
Bean, Janelle	26.50	21.12	0.84	0.35	6.37	26.78	1.25	6.00	8.00	0.00
Castillo, George	26.50	22.16	1.28	0.82	5.08	26.39	1.99	6.00	10.00	0.00
CHEN, JIONGJING	27.28	22.67	1.10	0.43	3.20	28.30	1.67	17.00	15.00	0.00
Clare, Jamie	27.00	19.98	0.49	0.46	5.58	28.70	0.65	12.00	12.00	0.00
DeCapite, Vanessa	26.00	22.41	0.94	0.60	5.25	26.24	0.51	7.00	5.00	0.00
Greenland, Paul	26.25	20.53	0.61	0.19	4.04	32.16	1.07	10.00	10.00	0.00
Hayden, Matthew	27.00	22.32	0.91	0.31	6.43	28.22	1.68	10.00	9.00	0.00
Hills, Barry	27.00	20.60	0.40	0.61	7.81	30.34	1.77	15.00	12.00	0.00
Hodgson, Joshua	26.79	23.79	0.37	0.16	3.91	27.18	0.82	6.00	12.00	0.00
Kobrinetz, Joaquin J.	26.75	21.37	0.99	0.54	6.92	27.47	1.25	9.00	10.00	0.00
Langford, Mike	26.50	23.14	0.82	0.21	3.96	27.84	1.32	15.00	15.00	0.00
Lonsway, Chris	26.00	22.14	0.50	0.12	3.85	24.81	1.00	13.00	11.00	0.00
Lopez, Frank	25.50	22.02	1.29	0.39	6.25	29.28	1.83	11.00	7.00	0.00
Lu, Wentong	26.00	21.21	1.31	0.63	5.66	29.43	1.00	7.00	5.00	0.00
Price, Gregory	26.50	22.58	0.95	0.63	6.24	27.71	1.05	7.00	7.00	0.00
Rodriguez, Edward	25.75	21.85	0.92	0.36	5.57	26.22	1.34	7.00	6.00	0.00
Rodriguez, Jesus (Jesse)	26.25	21.55	1.60	0.73	6.90	26.89	1.40	5.00	8.00	0.00
Seiz, Ray	27.75	21.65	0.71	0.11	17.33	35.89	1.49	5.00	3.00	2.00
Trevino, Robert	25.75	21.06	1.10	0.38	6.90	29.37	1.43	9.00	8.00	0.00
Veiga, Victor	26.25	23.78	2.02	1.48	5.82	25.87	2.87	22.00	19.00	0.00
Veiga, Victor (Rerate)	26.25	23.78	2.02	1.48	5.82	25.87	2.87	8.00	10.00	0.00
Xu, Raphael	27.34	22.13	0.47	0.44	3.96	26.33	1.03	10.00	7.00	0.00
You, Dalong	26.00	22.74	0.52	0.46	4.46	26.24	0.98	9.00	3.00	0.00
MAXIMUM	26.75	23.78	2.02	1.48	6.92	29.37	2.87	22.00	19.00	0.00
MINIMUM	25.75	21.06	0.50	0.12	3.85	24.81	0.51	5.00	5.00	0.00
RANGE(MAX-MIN)	1.000	2.720	1.520	1.360	3.070	4.560	2.360	17.000	14.000	0.000
MEAN	26.306	22.177	1.128	0.642	5.697	26.992	1.403	9.556	9.778	0.000
STANDARD DEVIATION	0.349	0.807	0.454	0.374	1.152	1.359	0.678	5.199	3.930	0.100
N SIZE	24.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B1 - KEYSTONE

B1 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	1.27	0.45	-0.79	-0.43	-1.20	0.87	-0.40	-0.30	0.06	0.00
Bean, Janelle	0.56	-1.31	-0.63	-0.78	0.58	-0.16	-0.23	-0.68	-0.45	0.00
Castillo, George	0.56	-0.02	0.34	0.47	-0.54	-0.44	0.87	-0.68	0.06	0.00
CHEN, JIONGJING	2.80	0.61	-0.06	-0.57	-2.17	0.96	0.39	1.43	1.33	0.00
Clare, Jamie	1.99	-2.72	-1.40	-0.49	-0.10	1.26	-1.11	0.47	0.57	0.00
DeCapite, Vanessa	-0.88	0.29	-0.41	-0.11	-0.39	-0.55	-1.32	-0.49	-1.22	0.00
Greenland, Paul	-0.16	-2.04	-1.14	-1.21	-1.44	3.80	-0.49	0.09	0.06	0.00
Hayden, Matthew	1.99	0.18	-0.48	-0.89	0.64	0.90	0.41	0.09	-0.20	0.00
Hills, Barry	1.99	-1.95	-1.60	-0.09	1.83	2.46	0.54	1.05	0.57	0.00
Hodgson, Joshua	1.39	2.00	-1.67	-1.29	-1.55	0.14	-0.86	-0.68	0.57	0.00
Kobrinetz, Joaquin J.	1.27	-1.00	-0.30	-0.27	1.06	0.35	-0.23	-0.11	0.06	0.00
Langford, Mike	0.56	1.19	-0.68	-1.15	-1.51	0.62	-0.12	1.05	1.33	0.00
Lonsway, Chris	-0.88	-0.05	-1.38	-1.39	-1.60	-1.61	-0.59	0.66	0.31	0.00
Lopez, Frank	-2.31	-0.19	0.36	-0.67	0.48	1.68	0.63	0.28	-0.71	0.00
Lu, Wentong	-0.88	-1.20	0.40	-0.03	-0.03	1.79	-0.59	-0.49	-1.22	0.00
Price, Gregory	0.56	0.50	-0.39	-0.03	0.47	0.53	-0.52	-0.49	-0.71	0.00
Rodriguez, Edward	-1.59	-0.40	-0.46	-0.75	-0.11	-0.57	-0.09	-0.49	-0.96	0.00
Rodriguez, Jesus (Jesse)	-0.16	-0.78	1.04	0.23	1.04	-0.08	0.00	-0.88	-0.45	0.00
Seiz, Ray	4.14	-0.65	-0.92	-1.42	10.10	6.55	0.13	-0.88	-1.72	20.00
Trevino, Robert	-1.59	-1.38	-0.06	-0.70	1.04	1.75	0.04	-0.11	-0.45	0.00
Veiga, Victor	-0.16	1.99	1.96	2.24	0.11	-0.83	2.16	2.39	2.35	0.00
Veiga, Victor (Rerate)	-0.16	1.99	1.96	2.24	0.11	-0.83	2.16	-0.30	0.06	0.00
Xu, Raphael	2.97	-0.06	-1.45	-0.54	-1.51	-0.49	-0.55	0.09	-0.71	0.00
You, Dalong	-0.88	0.70	-1.34	-0.49	-1.07	-0.55	-0.62	-0.11	-1.72	0.00
MAXIMUM	-1.59	1.99	1.96	2.24	-1.60	1.75	2.16	2.39	2.35	0.00
MINIMUM	-0.16	-0.02	-0.06	-0.03	0.11	-0.08	0.00	-0.11	0.06	0.00
RANGE(MAX-MIN)	-1.434	2.007	2.025	2.270	-1.710	1.825	2.167	2.501	2.290	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	24.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	30.50	22.94	1.11	0.66	2.76	41.10	3.04	12.00	8.00	0.00
Bean, Janelle	26.25	23.24	1.08	0.70	3.39	39.32	3.29	5.00	14.00	0.00
Bolaney, Jonathan	27.75	24.21	0.47	0.33	4.36	37.89	4.64	5.00	7.00	0.00
Castillo, George	26.50	22.39	1.84	1.16	4.20	36.49	3.20	10.00	26.00	0.00
CHEN, JIONGJING	28.25	23.50	1.01	0.81	2.89	30.33	3.75	21.00	14.00	0.00
Clare, Jamie	27.50	22.18	0.66	0.46	5.88	45.25	3.05	12.00	11.00	0.00
DeCapite, Vanessa	25.50	23.46	0.72	0.09	2.96	38.65	2.79	5.00	5.00	0.00
Dominguez, Lucio	26.50	23.44	1.42	0.74	4.00	35.95	3.72	8.00	7.00	0.00
Greenland, Paul	28.50	23.13	0.91	0.34	3.16	44.95	3.13	14.00	10.00	0.00
Hills, Barry	26.00	23.91	0.86	0.37	2.49	39.70	3.47	14.00	13.00	0.00
Kobrinetz, Joaquin J.	28.00	24.08	1.39	0.60	7.02	41.26	3.36	10.00	20.00	0.00
Lonsway, Chris	25.50	22.58	1.21	0.35	3.25	30.17	2.56	11.00	12.00	0.00
Lopez, Frank	26.00	22.60	1.43	0.71	5.20	35.50	2.92	12.00	11.00	0.00
Lu, Dongsheng	26.75	26.16	1.54	1.25	2.77	32.11	2.80	20.00	20.00	0.00
Lu, Wentong	26.25	23.62	0.64	0.78	3.39	42.25	2.95	5.00	6.00	0.00
Ma, Xiang	26.50	22.86	0.87	0.99	3.76	53.10	3.76	0.00	7.00	1.00
Price, Gregory	26.50	23.04	1.04	0.42	5.87	33.23	3.67	9.00	16.00	0.00
Ramirez, Ray	25.75	24.51	0.92	0.89	3.28	40.78	2.95	25.00	24.00	0.00
Rodriguez, Edward	25.75	22.92	1.37	0.39	3.65	41.30	3.87	12.00	7.00	0.00
Rodriguez, Jesus (Jesse)	28.25	23.03	1.74	0.84	4.66	37.65	2.24	5.00	14.00	0.00
Seiz, Ray	30.50	22.54	1.11	0.60	9.11	46.39	5.13	7.00	5.00	0.00
Trevino, Robert	26.00	22.67	1.33	0.52	5.37	34.87	2.80	9.00	12.00	0.00
Veiga, Victor	28.00	23.77	2.67	1.86	3.42	30.88	3.91	23.50	20.00	0.00
Veiga, Victor (Rerate)	28.00	23.77	1.30	1.63	3.42	30.88	3.91	10.00	20.00	0.00
Xu, Raphael	26.50	21.58	0.63	0.44	3.14	35.82	2.52	9.00	10.00	0.00
You, Dalong	30.00	22.70	1.13	0.80	2.95	39.17	2.95	7.00	15.00	0.00
MAXIMUM	30.50	24.08	2.67	1.86	7.02	41.26	3.91	23.50	26.00	0.00
MINIMUM	25.50	22.39	0.72	0.09	2.76	30.17	2.24	5.00	5.00	0.00
RANGE(MAX-MIN)	5.000	1.690	1.950	1.770	4.260	11.090	1.670	18.500	21.000	0.000
MEAN	27.194	23.107	1.450	0.722	4.390	36.033	3.063	10.500	14.778	0.000
STANDARD DEVIATION	1.638	0.563	0.572	0.523	1.463	4.074	0.532	5.443	6.515	0.100
N SIZE	26.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B2 - KEYSTONE

B2 Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	2.02	-0.30	-0.59	-0.12	-1.11	1.24	-0.04	0.28	-1.04	0.00
Bean, Janelle	-0.58	0.24	-0.65	-0.04	-0.68	0.81	0.43	-1.01	-0.12	0.00
Bolaney, Jonathan	0.34	1.96	-1.71	-0.75	-0.02	0.46	2.96	-1.01	-1.19	0.00
Castillo, George	-0.42	-1.27	0.68	0.84	-0.13	0.11	0.26	-0.09	1.72	0.00
CHEN, JIONGJING	0.64	0.70	-0.77	0.17	-1.03	-1.40	1.29	1.93	-0.12	0.00
Clare, Jamie	0.19	-1.65	-1.38	-0.50	1.02	2.26	-0.03	0.28	-0.58	0.00
DeCapite, Vanessa	-1.03	0.63	-1.28	-1.21	-0.98	0.64	-0.51	-1.01	-1.50	0.00
Dominguez, Lucio	-0.42	0.59	-0.05	0.03	-0.27	-0.02	1.23	-0.46	-1.19	0.00
Greenland, Paul	0.80	0.04	-0.94	-0.73	-0.84	2.19	0.13	0.64	-0.73	0.00
Hills, Barry	-0.73	1.43	-1.03	-0.67	-1.30	0.90	0.76	0.64	-0.27	0.00
Kobrinetz, Joaquin J.	0.49	1.73	-0.10	-0.23	1.80	1.28	0.56	-0.09	0.80	0.00
Lonsway, Chris	-1.03	-0.94	-0.42	-0.71	-0.78	-1.44	-0.95	0.09	-0.43	0.00
Lopez, Frank	-0.73	-0.90	-0.04	-0.02	0.55	-0.13	-0.27	0.28	-0.58	0.00
Lu, Dongsheng	-0.27	5.43	0.16	1.01	-1.11	-0.96	-0.49	1.75	0.80	0.00
Lu, Wentong	-0.58	0.91	-1.42	0.11	-0.68	1.53	-0.21	-1.01	-1.35	0.00
Ma, Xiang	-0.42	-0.44	-1.01	0.51	-0.43	4.19	1.31	-1.93	-1.19	10.00
Price, Gregory	-0.42	-0.12	-0.72	-0.58	1.01	-0.69	1.14	-0.28	0.19	0.00
Ramirez, Ray	-0.88	2.49	-0.93	0.32	-0.76	1.17	-0.21	2.66	1.42	0.00
Rodriguez, Edward	-0.88	-0.33	-0.14	-0.64	-0.51	1.29	1.52	0.28	-1.19	0.00
Rodriguez, Jesus (Jesse)	0.64	-0.14	0.51	0.23	0.18	0.40	-1.55	-1.01	-0.12	0.00
Seiz, Ray	2.02	-1.01	-0.59	-0.23	3.23	2.54	3.88	-0.64	-1.50	0.00
Trevino, Robert	-0.73	-0.78	-0.21	-0.39	0.67	-0.29	-0.49	-0.28	-0.43	0.00
Veiga, Victor	0.49	1.18	2.13	2.17	-0.66	-1.26	1.59	2.39	0.80	0.00
Veiga, Victor (Rerate)	0.49	1.18	-0.26	1.74	-0.66	-1.26	1.59	-0.09	0.80	0.00
Xu, Raphael	-0.42	-2.71	-1.43	-0.54	-0.85	-0.05	-1.02	-0.28	-0.73	0.00
You, Dalong	1.71	-0.72	-0.56	0.15	-0.98	0.77	-0.21	-0.64	0.03	0.00
MAXIMUM	2.02	1.73	2.13	2.17	1.80	-1.44	1.59	2.39	1.72	0.00
MINIMUM	-0.42	-0.12	-0.10	-0.12	-0.13	0.11	-0.04	-0.09	-0.12	0.00
RANGE(MAX-MIN)	2.442	1.849	2.238	2.294	1.928	-1.551	1.634	2.480	1.842	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	26.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	28.09	23.98	0.34	0.16	1.37	17.68	0.49	9.00	8.00	0.00
Bean, Janelle	26.65	21.96	0.33	0.21	1.15	16.94	1.03	9.00	4.00	0.00
Bolaney, Jonathan	24.95	22.82	0.10	0.04	2.25	18.87	0.74	5.00	3.00	0.00
Castillo, George	25.10	21.43	0.58	0.14	2.61	17.42	0.80	5.00	17.00	0.00
CHEN, JIONGJING	28.63	22.60	0.40	0.34	1.07	20.37	0.60	19.00	17.00	0.00
Clare, Jamie	27.34	20.90	0.23	0.33	0.87	18.20	0.31	18.00	15.00	0.00
DeCapite, Vanessa	24.12	21.76	0.11	0.05	0.63	20.19	0.11	6.00	4.00	0.00
Greenland, Paul	29.77	21.40	0.30	0.20	1.29	18.83	0.37	26.00	12.00	0.00
Hills, Barry	25.45	22.34	0.23	0.14	1.15	17.98	0.50	20.00	19.00	0.00
Hodgson, Joshua	29.94	22.12	0.60	0.06	1.43	20.46	0.70	40.00	11.00	0.00
Kobrinetz, Joaquin J.	28.65	22.02	0.41	0.08	3.35	17.10	0.56	16.00	10.00	0.00
Langford, Mike	25.59	22.48	0.20	0.05	1.75	20.50	0.32	14.00	10.00	0.00
Lopez, Frank	24.65	22.10	0.65	0.29	2.44	18.93	0.75	10.00	11.00	0.00
Lu, Wentong	27.32	22.90	0.42	0.23	2.19	20.29	0.63	10.00	7.00	0.00
Ma, Xiang	25.45	22.34	0.97	0.23	1.75	21.34	1.17	8.00	6.00	0.00
Price, Gregory	27.15	22.71	0.35	0.24	2.67	17.86	1.00	13.00	7.00	0.00
Ramirez, Ray	31.15	21.80	0.58	0.51	2.29	19.32	1.00	36.00	21.00	0.00
Rodriguez, Edward	24.71	22.62	0.52	0.06	2.22	18.38	0.68	12.00	8.00	0.00
Rodriguez, Jesus (Jesse)	26.81	22.77	0.41	0.28	2.12	19.08	0.59	4.00	10.00	0.00
Seiz, Ray	28.68	22.53	0.24	0.25	4.66	20.03	0.61	7.00	4.00	0.00
Trevino, Robert	25.37	22.11	0.69	0.19	1.67	20.08	0.88	9.00	11.00	0.00
Veiga, Victor	29.37	22.34	0.94	0.71	2.03	20.88	1.40	26.00	18.00	0.00
Veiga, Victor (Rerate)	29.37	22.34	0.94	0.25	2.03	20.88	1.40	10.00	13.00	0.00
Xu, Raphael	26.18	22.04	0.36	0.35	1.43	18.05	0.57	9.00	6.00	0.00
You, Dalong	29.85	21.05	0.65	0.36	2.13	18.21	0.84	7.00	4.00	0.00
MAXIMUM	29.37	23.98	0.94	0.71	3.35	20.88	1.40	26.00	18.00	0.00
MINIMUM	24.12	21.43	0.11	0.05	0.63	17.10	0.11	4.00	4.00	0.00
RANGE(MAX-MIN)	5.250	2.550	0.830	0.660	2.720	3.780	1.290	22.000	14.000	0.000
MEAN	26.833	22.390	0.479	0.231	2.056	18.786	0.729	11.000	10.625	0.000
STANDARD DEVIATION	1.849	0.785	0.253	0.208	0.847	1.459	0.385	7.290	4.779	0.100
N SIZE	25.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B3 - KEYSTONE

B3 Yi Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.68	2.03	-0.55	-0.34	-0.81	-0.76	-0.62	-0.27	-0.55	0.00
Bean, Janelle	-0.10	-0.55	-0.59	-0.10	-1.07	-1.27	0.78	-0.27	-1.39	0.00
Bolaney, Jonathan	-1.02	0.55	-1.50	-0.92	0.23	0.06	0.03	-0.82	-1.60	0.00
Castillo, George	-0.94	-1.22	0.40	-0.44	0.65	-0.94	0.18	-0.82	1.33	0.00
CHEN, JIONGJING	0.97	0.27	-0.31	0.52	-1.17	1.09	-0.33	1.10	1.33	0.00
Clare, Jamie	0.27	-1.90	-0.98	0.48	-1.40	-0.40	-1.09	0.96	0.92	0.00
DeCapite, Vanessa	-1.47	-0.80	-1.46	-0.87	-1.68	0.96	-1.61	-0.69	-1.39	0.00
Greenland, Paul	1.59	-1.26	-0.71	-0.15	-0.91	0.03	-0.93	2.06	0.29	0.00
Hills, Barry	-0.75	-0.06	-0.98	-0.44	-1.07	-0.55	-0.59	1.23	1.75	0.00
Hodgson, Joshua	1.68	-0.34	0.48	-0.82	-0.74	1.15	-0.07	3.98	0.08	0.00
Kobrinetz, Joaquin J.	0.98	-0.47	-0.27	-0.73	1.53	-1.16	-0.44	0.69	-0.13	0.00
Langford, Mike	-0.67	0.11	-1.10	-0.87	-0.36	1.17	-1.06	0.41	-0.13	0.00
Lopez, Frank	-1.18	-0.37	0.68	0.28	0.45	0.10	0.06	-0.14	0.08	0.00
Lu, Wentong	0.26	0.65	-0.23	-0.01	0.16	1.03	-0.26	-0.14	-0.76	0.00
Ma, Xiang	-0.75	-0.06	1.94	-0.01	-0.36	1.75	1.14	-0.41	-0.97	0.00
Price, Gregory	0.17	0.41	-0.51	0.04	0.73	-0.63	0.70	0.27	-0.76	0.00
Ramirez, Ray	2.34	-0.75	0.40	1.34	0.28	0.37	0.70	3.43	2.17	0.00
Rodriguez, Edward	-1.15	0.29	0.16	-0.82	0.19	-0.28	-0.13	0.14	-0.55	0.00
Rodriguez, Jesus (Jesse)	-0.01	0.48	-0.27	0.23	0.08	0.20	-0.36	-0.96	-0.13	0.00
Seiz, Ray	1.00	0.18	-0.94	0.09	3.08	0.85	-0.31	-0.55	-1.39	0.00
Trevino, Robert	-0.79	-0.36	0.83	-0.20	-0.46	0.89	0.39	-0.27	0.08	0.00
Veiga, Victor	1.37	-0.06	1.82	2.30	-0.03	1.43	1.74	2.06	1.54	0.00
Veiga, Victor (Rerate)	1.37	-0.06	1.82	0.09	-0.03	1.43	1.74	-0.14	0.50	0.00
Xu, Raphael	-0.35	-0.45	-0.47	0.57	-0.74	-0.50	-0.41	-0.27	-0.97	0.00
You, Dalong	1.63	-1.71	0.68	0.62	0.09	-0.39	0.29	-0.55	-1.39	0.00
MAXIMUM	-1.47	2.03	1.82	2.30	-1.68	1.43	1.74	2.06	1.54	0.00
MINIMUM	-0.01	-0.06	-0.27	0.04	-0.03	0.20	0.18	-0.27	0.08	0.00
RANGE(MAX-MIN)	-1.455	2.090	2.093	2.261	-1.654	1.234	1.557	2.332	1.465	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	25,000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	44.28	7.12	3.30	21.82	29.57	9.73	1.50	39.00	2.00	7.00	27.00	
Bean, Janelle	43.62	6.25	1.50	14.24	25.12	9.48	1.50	37.00	1.00	7.00	46.00	
Bolaney, Jonathan	44.08	9.58	1.80	31.40	29.47	8.68	1.50	39.00	1.00	20.00	37.00	
Castillo, George	44.36	7.74	4.36	20.98	28.72	10.04	1.50	48.00	2.00	12.00	51.00	
Clare, Jamie	50.15	7.50	3.45	21.87	30.16	8.39	1.50	58.00	1.00	12.00	55.00	
De Armas, Raymond	53.00	10.11	4.96	33.25	22.54	9.05	1.50	8.00	80.00	11.00	80.00	
DeCapite, Vanessa	32.91	10.00	3.00	22.96	31.15	9.95	1.50	26.00	1.00	15.00	54.00	
Greenland, Paul	54.31	7.86	4.06	32.38	33.52	8.47	1.50	56.00	2.00	18.00	58.00	
Hills, Barry	46.12	8.37	3.45	25.67	30.99	8.69	1.50	40.00	3.00	14.00	54.00	
Kobrinetz, Joaquin J.	50.58	6.32	1.22	13.63	24.19	9.45	1.41	50.00	1.00	3.00	25.00	
Langford, Mike	51.11	8.32	3.45	23.29	32.11	9.07	1.50	50.00	2.00	14.00	47.00	
Lu, Dongsheng	40.88	9.45	2.86	14.98	25.68	8.18	1.50	57.00	2.00	0.00	54.00	
Lu, Wentong	46.71	7.40	1.50	22.30	33.90	8.28	1.50	55.00	2.00	12.00	50.00	
Ma, Xiang	47.25	16.00	5.70	22.05	47.50	16.80	4.50	79.00	11.00	4.00	67.00	
Price, Gregory	40.37	8.42	3.30	15.14	21.64	10.03	3.00	49.00	2.00	5.00	29.00	
Rodriguez, Jesus (Jesse)	50.65	11.96	4.42	25.60	28.92	9.71	2.40	23.00	1.00	12.00	52.00	
Seiz, Ray	37.90	6.78	4.50	27.72	37.70	9.02	1.50	33.00	1.00	17.00	55.00	
Trevino, Robert	48.37	7.44	3.45	19.34	29.26	8.82	1.50	44.00	1.00	4.00	57.00	
Veiga, Victor	46.09	8.31	4.50	16.78	25.64	9.65	1.50	46.00	2.80	0.00	67.00	
Xu, Raphael	52.54	9.27	2.86	20.97	32.15	9.91	1.50	55.00	2.00	9.00	60.00	
You, Dalong	39.76	7.31	3.45	25.96	35.22	8.73	1.50	22.00	2.00	18.00	39.00	
MAXIMUM	50.65	11.96	4.50	25.60	31.15	10.04	3.00	50.00	2.80	15.00	67.00	
MINIMUM	32.91	6.32	1.22	13.63	21.64	8.82	1.41	23.00	1.00	0.00	25.00	
RANGE(MAX-MIN)	17.740	5.640	3.280	11.970	9.510	1.220	1.590	27.000	1.800	15.000	42.000	
MEAN	44.701	8.414	3.444	19.531	27.386	9.673	1.789	40.625	1.600	7.250	45.250	
STANDARD DEVIATION	5.897	1.795	1.075	4.099	3.226	0.400	0.586	10.555	0.693	5.230	15.917	
N SIZE	21.000											

Part ID= B4 - C13-STYLE

B4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	-0.07	-0.72	-0.13	0.56	0.68	0.14	-0.49	-0.15	0.58	-0.05	-1.15	
Bean, Janelle	-0.18	-1.21	-1.81	-1.29	-0.70	-0.48	-0.49	-0.34	-0.87	-0.05	0.05	
Bolaney, Jonathan	-0.11	0.65	-1.53	2.90	0.65	-2.48	-0.49	-0.15	-0.87	2.44	-0.52	
Castillo, George	-0.06	-0.38	0.85	0.35	0.41	0.92	-0.49	0.70	0.58	0.91	0.36	
Clare, Jamie	0.92	-0.51	0.01	0.57	0.86	-3.20	-0.49	1.65	-0.87	0.91	0.61	
De Armas, Raymond	1.41	0.94	1.41	3.35	-1.50	-1.56	-0.49	-3.09	113.16	0.72	2.18	
DeCapite, Vanessa	-2.00	0.88	-0.41	0.84	1.17	0.69	-0.49	-1.39	-0.87	1.48	0.55	
Greenland, Paul	1.63	-0.31	0.57	3.13	1.90	-3.00	-0.49	1.46	0.58	2.06	0.80	
Hills, Barry	0.24	-0.02	0.01	1.50	1.12	-2.45	-0.49	-0.06	2.02	1.29	0.55	
Kobrinetz, Joaquin J.	1.00	-1.17	-2.07	-1.44	-0.99	-0.56	-0.65	0.89	-0.87	-0.81	-1.27	
Langford, Mike	1.09	-0.05	0.01	0.92	1.46	-1.51	-0.49	0.89	0.58	1.29	0.11	
Lu, Dongsheng	-0.65	0.58	-0.54	-1.11	-0.53	-3.73	-0.49	1.55	0.58	-1.39	0.55	
Lu, Wentong	0.34	-0.56	-1.81	0.68	2.02	-3.48	-0.49	1.36	0.58	0.91	0.30	
Ma, Xiang	0.43	4.23	2.10	0.61	6.23	17.81	4.63	3.64	13.57	-0.62	1.37	
Price, Gregory	-0.73	0.00	-0.13	-1.07	-1.78	0.89	2.07	0.79	0.58	-0.43	-1.02	
Rodriguez, Jesus (Jesse)	1.01	1.98	0.91	1.48	0.48	0.09	1.04	-1.67	-0.87	0.91	0.42	
Seiz, Ray	-1.15	-0.91	0.98	2.00	3.20	-1.63	-0.49	-0.72	-0.87	1.86	0.61	
Trevino, Robert	0.62	-0.54	0.01	-0.05	0.58	-2.13	-0.49	0.32	-0.87	-0.62	0.74	
Veiga, Victor	0.24	-0.06	0.98	-0.67	-0.54	-0.06	-0.49	0.51	1.73	-1.39	1.37	
Xu, Raphael	1.33	0.48	-0.54	0.35	1.48	0.59	-0.49	1.36	0.58	0.33	0.93	
You, Dalong	-0.84	-0.61	0.01	1.57	2.43	-2.35	-0.49	-1.76	0.58	2.06	-0.39	
MAXIMUM	-2.00	1.98	-2.07	1.48	-1.78	-2.13	2.07	-1.67	1.73	1.48	1.37	
MINIMUM	-0.06	0.00	0.01	-0.05	0.41	-0.06	-0.49	-0.15	0.58	-0.05	0.36	
RANGE(MAX-MIN)	-1.942	1.972	-2.074	1.527	-2.195	-2.074	2.561	-1.516	1.155	1.530	1.005	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
N SIZE	21.000											

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	35.16	13.47	1.50	18.05	25.69	3.18	1.50	39.00	3.00	3.00	14.00	
Bean, Janelle	32.28	11.98	1.27	13.37	28.28	1.95	0.75	20.00	1.00	3.00	14.00	
Castillo, George	33.85	11.61	1.80	16.84	24.84	2.67	1.50	51.00	4.00	5.00	23.00	
DeCapite, Vanessa	22.30	16.48	3.00	16.82	28.49	3.55	1.50	8.00	3.00	5.00	21.00	
Greenland, Paul	41.99	7.50	1.50	17.93	26.33	3.46	1.50	54.00	6.00	4.00	20.00	
Hayden, Matthew	40.85	11.98	1.50	18.48	28.13	4.42	1.50	42.00	2.00	4.00	23.00	
Hills, Barry	35.97	13.26	3.16	18.77	28.84	3.42	1.50	24.00	2.00	4.00	36.00	
Kobrinetz, Joaquin J.	39.92	14.26	1.47	18.20	27.41	3.43	1.32	45.00	3.00	3.00	26.00	
Langford, Mike	30.89	14.13	2.26	19.98	27.02	2.78	1.50	21.00	4.00	8.00	11.00	
Lu, Dongsheng	33.95	14.57	1.50	15.05	25.99	2.68	1.50	39.00	3.00	0.00	32.00	
Lu, Wentong	33.83	13.29	1.50	13.21	26.51	2.13	1.50	40.00	2.00	4.00	19.00	
Ma, Xiang	24.01	9.77	1.65	15.64	24.61	3.40	1.50	28.00	1.00	2.00	7.00	
Price, Gregory	31.44	16.96	3.16	18.63	26.32	4.33	1.50	31.00	2.00	6.00	22.00	
Ramirez, Ray	41.25	8.75	1.50	20.00	28.00	3.80	1.50	41.00	6.00	6.00	10.00	
Rodriguez, Jesus (Jesse)	41.46	17.11	3.30	17.73	28.70	3.54	1.50	20.00	2.00	2.00	14.00	
Seiz, Ray	44.76	10.78	3.00	22.86	31.93	3.21	1.50	26.00	3.00	9.00	25.00	
Trevino, Robert	44.56	13.02	1.98	18.98	28.04	3.09	1.65	41.00	3.00	4.00	30.00	
Veiga, Victor	32.20	17.96	3.60	14.40	26.26	3.03	1.50	31.00	14.00	0.00	42.00	
Xu, Raphael	28.47	14.32	1.50	15.62	28.32	2.57	1.50	27.00	4.00	3.00	23.00	
MAXIMUM	44.56	17.96	3.60	18.98	28.70	4.33	1.65	51.00	4.00	6.00	42.00	
MINIMUM	22.30	11.61	1.47	14.40	24.84	2.67	1.32	8.00	2.00	0.00	14.00	
RANGE(MAX-MIN)	22.260	6.350	2.130	4.580	3.860	1.660	0.330	43.000	2.000	6.000	28.000	
MEAN	35.111	15.109	2.476	17.456	26.969	3.353	1.496	33.250	2.857	3.500	24.000	
STANDARD DEVIATION	6.973	2.313	0.874	1.454	1.401	0.493	0.100	13.987	0.690	1.927	9.087	
N SIZE	19.000											

Part ID= B5 - C13-STYLE

B5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	0.01	-0.71	-1.12	0.41	-0.91	-0.35	0.04	0.41	0.21	-0.26	-1.10	
Bean, Janelle	-0.41	-1.35	-1.38	-2.81	0.94	-2.84	-7.46	-0.95	-2.69	-0.26	-1.10	
Castillo, George	-0.18	-1.51	-0.77	-0.42	-1.52	-1.38	0.04	1.27	1.66	0.78	-0.11	
DeCapite, Vanessa	-1.84	0.59	0.60	-0.44	1.09	0.40	0.04	-1.81	0.21	0.78	-0.33	
Greenland, Paul	0.99	-3.29	-1.12	0.33	-0.46	0.22	0.04	1.48	4.55	0.26	-0.44	
Hayden, Matthew	0.82	-1.35	-1.12	0.70	0.83	2.16	0.04	0.63	-1.24	0.26	-0.11	
Hills, Barry	0.12	-0.80	0.78	0.90	1.34	0.14	0.04	-0.66	-1.24	0.26	1.32	
Kobrinetz, Joaquin J.	0.69	-0.37	-1.15	0.51	0.31	0.16	-1.76	0.84	0.21	-0.26	0.22	
Langford, Mike	-0.61	-0.42	-0.25	1.74	0.04	-1.16	0.04	-0.88	1.66	2.33	-1.43	
Lu, Dongsheng	-0.17	-0.23	-1.12	-1.65	-0.70	-1.36	0.04	0.41	0.21	-1.82	0.88	
Lu, Wentong	-0.18	-0.79	-1.12	-2.92	-0.33	-2.48	0.04	0.48	-1.24	0.26	-0.55	
Ma, Xiang	-1.59	-2.31	-0.94	-1.25	-1.68	0.10	0.04	-0.38	-2.69	-0.78	-1.87	
Price, Gregory	-0.53	0.80	0.78	0.81	-0.46	1.98	0.04	-0.16	-1.24	1.30	-0.22	
Ramirez, Ray	0.88	-2.75	-1.12	1.75	0.74	0.91	0.04	0.55	4.55	1.30	-1.54	
Rodriguez, Jesus (Jesse)	0.91	0.87	0.94	0.19	1.24	0.38	0.04	-0.95	-1.24	-0.78	-1.10	
Seiz, Ray	1.38	-1.87	0.60	3.72	3.54	-0.29	0.04	-0.52	0.21	2.85	0.11	
Trevino, Robert	1.36	-0.90	-0.57	1.05	0.76	-0.53	1.54	0.55	0.21	0.26	0.66	
Veiga, Victor	-0.42	1.23	1.29	-2.10	-0.51	-0.65	0.04	-0.16	16.15	-1.82	1.98	
Xu, Raphael	-0.95	-0.34	-1.12	-1.26	0.96	-1.59	0.04	-0.45	1.66	-0.26	-0.11	
MAXIMUM	-1.84	-1.51	1.29	-2.10	-1.52	1.98	-1.76	-1.81	1.66	-1.82	1.98	
MINIMUM	0.01	-0.37	-0.57	0.19	0.31	0.16	0.04	-0.16	0.21	-0.26	-0.11	
RANGE(MAX-MIN)	-1.844	-1.146	1.853	-2.290	-1.834	1.824	-1.800	-1.644	1.449	-1.557	2.091	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	0.885	1.000	1.000	1.000	1.000	
N SIZE	19.000											

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	65.84	4.33	1.50	32.35	27.48	5.02	1.50	66.00	1.00	14.00	17.00	
Bean, Janelle	46.26	5.05	3.30	25.93	20.04	6.36	1.50	61.00	0.50	10.00	7.00	
Castillo, George	53.04	4.89	3.30	32.41	22.89	5.07	1.95	60.00	1.00	14.00	28.00	
Clare, Jamie	49.24	4.47	1.50	38.48	26.05	3.85	1.50	55.00	1.00	22.00	25.00	
DeCapite, Vanessa	53.58	5.90	2.70	39.65	27.53	6.07	3.30	58.00	1.00	25.00	17.00	
Dominguez, Lucio	42.96	5.71	3.91	32.55	24.93	5.79	1.50	26.00	1.00	14.00	16.00	
Greenland, Paul	51.56	4.79	1.50	40.95	28.00	2.56	1.50	63.00	2.00	25.00	25.00	
Hills, Barry	51.25	5.85	1.80	38.97	24.28	5.83	4.50	64.00	1.00	22.00	24.00	
Kobrinetz, Joaquin J.	59.37	7.20	1.62	37.88	28.06	5.22	1.52	63.00	1.00	23.00	24.00	
Langford, Mike	52.25	6.37	2.70	40.48	28.57	5.36	1.78	58.00	2.00	24.00	21.00	
Lu, Wentong	60.78	5.15	1.50	39.47	26.98	4.67	1.50	55.00	1.00	24.00	29.00	
Ma, Xiang	48.85	5.70	3.57	34.59	32.57	13.25	2.19	47.00	1.00	17.00	15.00	
Price, Gregory	51.11	8.35	3.60	36.41	24.36	6.67	3.00	67.00	2.00	19.00	26.00	
Rodriguez, Edward	48.48	7.48	3.82	32.41	34.49	6.09	2.16	58.00	1.00	14.00	19.00	
Rodriguez, Jesus (Jesse)	52.00	6.36	4.05	38.00	29.38	6.09	4.50	50.00	1.00	21.00	22.00	
Seiz, Ray	69.67	9.01	1.50	45.55	38.23	9.56	1.68	72.00	1.00	32.00	23.00	
Trevino, Robert	59.17	6.14	2.10	31.68	25.35	5.04	2.22	62.00	1.00	12.00	23.00	
Veiga, Victor	52.75	6.33	1.50	27.19	24.38	4.71	2.28	58.00	1.80	6.00	38.00	
Xu, Raphael	65.94	6.74	1.50	35.82	23.03	5.55	1.50	60.00	1.00	19.00	30.00	
You, Dalong	64.89	4.77	2.10	35.50	28.43	4.54	1.50	45.00	0.00	17.00	35.00	
MAXIMUM	65.84	8.35	4.05	39.65	29.38	6.67	4.50	67.00	2.00	25.00	38.00	
MINIMUM	51.11	4.33	1.50	27.19	22.89	4.71	1.50	50.00	1.00	6.00	17.00	
RANGE(MAX-MIN)	14.730	4.020	2.550	12.460	6.490	1.960	3.000	17.000	1.000	19.000	21.000	
MEAN	55.858	6.188	2.546	34.446	26.179	5.486	2.534	60.500	1.225	16.750	24.375	
STANDARD DEVIATION	5.115	1.252	1.015	4.212	2.247	0.694	1.019	5.398	0.420	6.364	6.739	
N SIZE	20.000											

Part ID= B6 - C13-STYLE

B6 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	1.95	-1.48	-1.03	-0.50	0.58	-0.67	-1.01	1.02	-0.54	-0.43	-1.09	
Bean, Janelle	-1.88	-0.91	0.74	-2.02	-2.73	1.26	-1.01	0.09	-1.73	-1.06	-2.58	
Castillo, George	-0.55	-1.04	0.74	-0.48	-1.46	-0.60	-0.57	-0.09	-0.54	-0.43	0.54	
Clare, Jamie	-1.29	-1.37	-1.03	0.96	-0.06	-2.36	-1.01	-1.02	-0.54	0.83	0.09	
DeCapite, Vanessa	-0.45	-0.23	0.15	1.24	0.60	0.84	0.75	-0.46	-0.54	1.30	-1.09	
Dominguez, Lucio	-2.52	-0.38	1.34	-0.45	-0.56	0.44	-1.01	-6.39	-0.54	-0.43	-1.24	
Greenland, Paul	-0.84	-1.12	-1.03	1.54	0.81	-4.22	-1.01	0.46	1.85	1.30	0.09	
Hills, Barry	-0.90	-0.27	-0.74	1.07	-0.84	0.50	1.93	0.65	-0.54	0.83	-0.06	
Kobrinetz, Joaquin J.	0.69	0.81	-0.91	0.82	0.84	-0.38	-0.99	0.46	-0.54	0.98	-0.06	
Langford, Mike	-0.71	0.15	0.15	1.43	1.06	-0.18	-0.74	-0.46	1.85	1.14	-0.50	
Lu, Wentong	0.96	-0.83	-1.03	1.19	0.36	-1.18	-1.01	-1.02	-0.54	1.14	0.69	
Ma, Xiang	-1.37	-0.39	1.01	0.03	2.84	11.19	-0.34	-2.50	-0.54	0.04	-1.39	
Price, Gregory	-0.93	1.73	1.04	0.47	-0.81	1.71	0.46	1.20	1.85	0.35	0.24	
Rodriguez, Edward	-1.44	1.03	1.26	-0.48	3.70	0.87	-0.37	-0.46	-0.54	-0.43	-0.80	
Rodriguez, Jesus (Jesse)	-0.75	0.14	1.48	0.84	1.42	0.87	1.93	-1.95	-0.54	0.67	-0.35	
Seiz, Ray	2.70	2.25	-1.03	2.64	5.36	6.87	-0.84	2.13	-0.54	2.40	-0.20	
Trevino, Robert	0.65	-0.04	-0.44	-0.66	-0.37	-0.64	-0.31	0.28	-0.54	-0.75	-0.20	
Veiga, Victor	-0.61	0.11	-1.03	-1.72	-0.80	-1.12	-0.25	-0.46	1.37	-1.69	2.02	
Xu, Raphael	1.97	0.44	-1.03	0.33	-1.40	0.09	-1.01	-0.09	-0.54	0.35	0.83	
You, Dalong	1.77	-1.13	-0.44	0.25	1.00	-1.36	-1.01	-2.87	-2.92	0.04	1.58	
MAXIMUM	1.95	1.73	1.48	-1.72	-1.46	1.71	1.93	-1.95	1.85	-1.69	2.02	
MINIMUM	-0.45	-0.04	0.15	0.47	-0.37	-0.38	-0.25	-0.09	-0.54	0.35	-0.06	
RANGE(MAX-MIN)	2.397	1.765	1.330	-2.189	-1.095	2.090	2.178	-1.852	2.381	-2.043	2.078	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
N SIZE	20.000											

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= B7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Aguirre, Nancy P	25.11	22.88	0.40	21.32	0.10
Bean, Janelle	28.75	23.80	0.59	25.44	0.08
Bolaney, Jonathan	30.25	23.20	0.68	21.75	0.14
Cales, Jonathon	31.00	22.75	1.24	24.46	0.25
Castillo, George	27.25	22.60	0.24	21.82	10.56
De Armas, Raymond	31.75	25.00	5.32	25.00	1.50
DeCapite, Vanessa	28.00	24.22	0.22	23.64	0.02
Hayden, Matthew	27.46	23.40	0.67	27.49	0.40
Hills, Barry	25.00	22.22	0.44	27.82	0.13
Hodgson, Joshua	28.00	21.75	1.04	21.46	0.55
Kobrinetz, Joaquin J.	28.00	23.30	0.38	24.52	0.20
Price, Gregory	28.75	23.05	0.73	22.22	0.55
Rodriguez, Jesus (Jesse)	27.25	22.86	0.79	22.17	0.20
Seiz, Ray	30.25	25.08	0.30	70.53	0.59
Veiga, Víctor	28.75	23.53	0.50	23.64	0.50
Veiga, Victor (Rerate)	28.75	23.53	0.50	23.64	0.50
MAXIMUM	31.75	25.08	1.24	27.82	1.50
MINIMUM	25.00	21.75	0.22	21.32	0.02
RANGE(MAX-MIN)	6.750	3.330	1.020	6.500	1.480
MEAN	28.395	23.323	0.581	23.759	0.381
STANDARD DEVIATION	1.857	0.897	0.288	2.067	0.367
N SIZE	16.000				

Part ID= B7 - DV4 PISTON

B7 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Aguirre, Nancy P	-1.77	-0.49	-0.63	-1.18	-0.76
Bean, Janelle	0.19	0.53	0.03	0.81	-0.82
Bolaney, Jonathan	1.00	-0.14	0.34	-0.97	-0.66
Cales, Jonathon	1.40	-0.64	2.29	0.34	-0.36
Castillo, George	-0.62	-0.81	-1.19	-0.94	27.74
De Armas, Raymond	1.81	1.87	16.46	0.60	3.05
DeCapite, Vanessa	-0.21	1.00	-1.26	-0.06	-0.98
Hayden, Matthew	-0.50	0.09	0.31	1.80	0.05
Hills, Barry	-1.83	-1.23	-0.49	1.96	-0.68
Hodgson, Joshua	-0.21	-1.75	1.59	-1.11	0.46
Kobrinetz, Joaquin J.	-0.21	-0.03	-0.70	0.37	-0.49
Price, Gregory	0.19	-0.30	0.52	-0.74	0.46
Rodriguez, Jesus (Jesse)	-0.62	-0.52	0.72	-0.77	-0.49
Seiz, Ray	1.00	1.96	-0.98	22.63	0.57
Veiga, Víctor	0.19	0.23	-0.28	-0.06	0.33
Veiga, Victor (Rerate)	0.19	0.23	-0.28	-0.06	0.33
MAXIMUM	-1.83	1.96	2.29	1.96	3.05
MINIMUM	0.19	-0.03	0.03	-0.06	0.05
RANGE(MAX-MIN)	-2.020	1.985	2.258	2.022	2.998
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000
N SIZE	16.000				

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C1 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	32.75	24.77	1.61	0.49	6.06	23.40	2.16	34.00	41.00	0.00
Barrera, Tony	30.00	24.46	1.66	0.75	7.96	30.03	1.95	24.00	15.00	1.00
Bean, Janelle	30.75	25.12	1.30	0.44	6.12	25.69	1.75	21.00	14.00	0.00
Broff, Andy	27.73	37.60	1.30	0.50	6.42	39.63	2.70	19.00	5.00	0.00
Cales, Jonathon	27.50	24.36	1.15	0.97	6.54	22.75	2.11	15.00	25.00	0.00
Clare, Jamie	30.00	24.40	1.66	0.50	6.63	30.30	1.08	25.00	17.00	0.00
De Armas, Raymond	26.25	23.12	1.08	0.48	7.48	22.04	1.87	5.00	5.00	0.00
Foecking, Brian	27.25	24.33	1.35	0.89	6.99	22.99	2.21	16.00	24.00	0.00
Greenland, Paul	30.75	24.55	1.52	0.50	6.75	31.30	1.58	26.00	20.00	0.00
Hills, Barry	27.25	24.56	1.17	0.51	7.38	23.02	2.19	24.00	21.00	0.00
Jones, Christopher	27.50	24.48	1.82	0.89	7.38	23.72	2.29	20.00	23.00	0.00
Kobrinetz, Joaquin J.	33.25	24.56	1.36	0.40	8.10	23.28	1.74	26.00	31.00	0.00
Langford, Mike	26.25	24.79	1.92	0.45	6.93	24.95	2.85	9.00	12.00	0.00
Lu, Wentong	26.25	24.55	1.87	0.66	4.18	32.86	1.97	26.00	10.00	0.00
May, Marianne	26.00	24.81	1.21	0.49	5.55	25.45	1.56	9.00	12.00	0.00
Price, Gregory	34.50	24.58	1.73	0.72	7.30	23.99	2.18	27.00	36.00	0.00
Tang, Chuan	32.75	24.54	1.94	0.66	4.18	24.60	2.30	32.00	35.00	0.00
Trevino, Robert	27.50	24.58	1.49	0.40	6.41	25.16	1.70	11.00	14.00	0.00
Zalewski, John	27.25	24.12	1.86	0.35	5.89	27.25	1.63	30.00	35.00	0.00
MAXIMUM	34.50	24.81	1.73	0.89	8.10	30.03	2.21	27.00	36.00	0.00
MINIMUM	26.00	24.33	1.21	0.40	5.55	22.99	1.56	9.00	12.00	0.00
RANGE(MAX-MIN)	8.500	0.480	0.520	0.490	2.550	7.040	0.650	18.000	24.000	0.000
MEAN	29.750	24.553	1.467	0.608	7.052	25.150	1.890	18.833	22.000	0.000
STANDARD DEVIATION	3.471	0.159	0.199	0.206	0.965	2.585	0.267	7.885	9.940	0.100
N SIZE	19.000									

Part ID= C1 - KEYSTONE

C1 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	0.86	1.37	0.72	-0.57	-1.03	-0.68	1.01	1.92	1.91	0.00
Barrera, Tony	0.07	-0.59	0.97	0.69	0.94	1.89	0.22	0.66	-0.70	10.00
Bean, Janelle	0.29	3.57	-0.84	-0.82	-0.97	0.21	-0.52	0.27	-0.80	0.00
Broff, Andy	-0.58	82.21	-0.84	-0.53	-0.65	5.60	3.03	0.02	-1.71	0.00
Cales, Jonathon	-0.65	-1.22	-1.59	1.75	-0.53	-0.93	0.82	-0.49	0.30	0.00
Clare, Jamie	0.07	-0.97	0.97	-0.53	-0.44	1.99	-3.03	0.78	-0.50	0.00
De Armas, Raymond	-1.01	-9.03	-1.94	-0.62	0.44	-1.20	-0.07	-1.75	-1.71	0.00
Foecking, Brian	-0.72	-1.41	-0.59	1.37	-0.06	-0.84	1.20	-0.36	0.20	0.00
Greenland, Paul	0.29	-0.02	0.27	-0.53	-0.31	2.38	-1.16	0.91	-0.20	0.00
Hills, Barry	-0.72	0.04	-1.49	-0.48	0.34	-0.82	1.12	0.66	-0.10	0.00
Jones, Christopher	-0.65	-0.46	1.78	1.37	0.34	-0.55	1.50	0.15	0.10	0.00
Kobrinetz, Joaquin J.	1.01	0.04	-0.54	-1.01	1.09	-0.72	-0.56	0.91	0.91	0.00
Langford, Mike	-1.01	1.49	2.28	-0.77	-0.13	-0.08	3.59	-1.25	-1.01	0.00
Lu, Wentong	-1.01	-0.02	2.03	0.25	-2.98	2.98	0.30	0.91	-1.21	0.00
May, Marianne	-1.08	1.62	-1.29	-0.57	-1.56	0.12	-1.23	-1.25	-1.01	0.00
Price, Gregory	1.37	0.17	1.32	0.54	0.26	-0.45	1.08	1.04	1.41	0.00
Tang, Chuan	0.86	-0.08	2.38	0.25	-2.98	-0.21	1.53	1.67	1.31	0.00
Trevino, Robert	-0.65	0.17	0.12	-1.01	-0.66	0.00	-0.71	-0.99	-0.80	0.00
Zalewski, John	-0.72	-2.73	1.98	-1.25	-1.20	0.81	-0.97	1.42	1.31	0.00
MAXIMUM	1.37	1.62	1.32	1.37	-1.56	1.89	-1.23	-1.25	1.41	0.00
MINIMUM	0.07	0.04	0.12	0.54	-0.06	0.00	0.22	-0.36	0.20	0.00
RANGE(MAX-MIN)	1.296	1.575	1.206	0.824	-1.492	1.884	-1.458	-0.888	1.207	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	19.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C2 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	56.25	20.88	0.63	0.31	3.60	23.78	0.69	60.00	12.00	0.00
Barrera, Tony	48.50	22.32	0.60	0.58	4.41	27.08	0.94	47.00	10.00	0.00
Bean, Janelle	64.25	20.80	0.57	0.38	3.50	24.22	0.52	57.00	6.00	0.00
Bolaney, Jonathan	66.00	21.92	0.25	0.42	5.21	29.08	0.59	59.00	4.00	0.00
Broff, Andy	69.75	61.77	0.20	0.55	2.14	26.17	0.50	60.00	5.00	0.00
Cales, Jonathon	60.75	19.94	0.50	0.48	4.36	25.08	0.50	39.00	8.00	0.00
Clare, Jamie	56.25	20.70	0.33	0.51	4.38	26.55	0.75	60.00	10.00	0.00
De Armas, Raymond	70.75	23.16	1.50	1.62	3.09	29.84	1.62	55.00	0.00	0.00
Foecking, Brian	59.25	20.63	0.73	0.46	4.27	24.85	0.79	63.00	8.00	0.00
Greenland, Paul	62.00	18.95	0.29	0.48	4.76	27.39	0.36	60.00	9.00	0.00
Jones, Christopher	60.50	19.37	0.74	0.87	3.55	25.73	0.93	66.00	5.00	0.00
Kobrinetz, Joaquin J.	60.25	19.96	0.74	0.35	5.97	25.84	0.84	58.00	9.00	0.00
Langford, Mike	64.50	19.70	0.35	0.57	5.21	25.52	0.84	60.00	9.00	0.00
Lu, Wentong	61.75	22.34	0.84	0.96	3.44	26.64	0.91	59.00	3.00	0.00
Ma, Xiang	60.25	21.24	1.06	0.95	3.16	26.95	2.00	60.00	5.00	0.00
May, Marianne	61.75	22.03	0.42	0.37	3.81	25.00	0.54	62.00	5.00	0.00
Price, Gregory	61.00	21.85	0.90	0.55	6.45	24.50	0.75	63.00	7.00	0.00
Reese, Kyle	55.50	20.60	0.38	0.62	4.28	24.43	0.50	55.00	8.00	0.00
Tang, Chuan	56.25	20.81	0.33	0.60	2.73	24.35	0.85	50.00	23.50	0.00
Trevino, Robert	64.75	20.42	0.66	0.65	4.00	27.02	0.64	62.00	6.00	0.00
Zalewski, John	68.50	19.99	0.60	0.53	2.07	29.40	0.61	68.00	20.00	0.00
MAXIMUM	64.75	22.32	0.90	0.65	6.45	27.08	0.94	63.00	10.00	0.00
MINIMUM	48.50	19.96	0.42	0.35	3.81	24.50	0.54	47.00	5.00	0.00
RANGE(MAX-MIN)	16.250	2.360	0.480	0.300	2.640	2.580	0.400	16.000	5.000	0.000
MEAN	59.250	21.202	0.675	0.493	4.818	25.715	0.750	59.167	7.500	0.000
STANDARD DEVIATION	5.588	0.984	0.160	0.120	1.108	1.124	0.143	6.242	1.871	0.100
N SIZE	21.000									

Part ID= C2 - KEYSTONE

C2 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	-0.54	-0.33	-0.28	-1.53	-1.10	-1.72	-0.42	0.13	2.41	0.00
Barrera, Tony	-1.92	1.14	-0.47	0.72	-0.37	1.21	1.33	-1.95	1.34	0.00
Bean, Janelle	0.89	-0.41	-0.65	-0.94	-1.19	-1.33	-1.61	-0.35	-0.80	0.00
Bolaney, Jonathan	1.21	0.73	-2.65	-0.61	0.35	2.99	-1.12	-0.03	-1.87	0.00
Broff, Andy	1.88	41.25	-2.96	0.47	-2.42	0.40	-1.75	0.13	-1.34	0.00
Cales, Jonathon	0.27	-1.28	-1.09	-0.11	-0.41	-0.56	-1.75	-3.23	0.27	0.00
Clare, Jamie	-0.54	-0.51	-2.15	0.14	-0.40	0.74	0.00	0.13	1.34	0.00
De Armas, Raymond	2.06	1.99	5.14	9.38	-1.56	3.67	6.09	-0.67	-4.04	0.00
Foecking, Brian	0.00	-0.58	0.34	-0.28	-0.49	-0.77	0.28	0.61	0.27	0.00
Greenland, Paul	0.49	-2.29	-2.40	-0.11	-0.05	1.49	-2.73	0.13	0.80	0.00
Jones, Christopher	0.22	-1.86	0.41	3.14	-1.14	0.01	1.26	1.09	-1.34	0.00
Kobrinetz, Joaquin J.	0.18	-1.26	0.41	-1.19	1.04	0.11	0.63	-0.19	0.80	0.00
Langford, Mike	0.94	-1.53	-2.03	0.64	0.35	-0.17	0.63	0.13	0.80	0.00
Lu, Wentong	0.45	1.16	1.03	3.89	-1.24	0.82	1.12	-0.03	-2.41	0.00
Ma, Xiang	0.18	0.04	2.40	3.80	-1.50	1.10	8.75	0.13	-1.34	0.00
May, Marianne	0.45	0.84	-1.59	-1.03	-0.91	-0.64	-1.47	0.45	-1.34	0.00
Price, Gregory	0.31	0.66	1.40	0.47	1.47	-1.08	0.00	0.61	-0.27	0.00
Reese, Kyle	-0.67	-0.61	-1.84	1.05	-0.49	-1.14	-1.75	-0.67	0.27	0.00
Tang, Chuan	-0.54	-0.40	-2.15	0.89	-1.88	-1.21	0.70	-1.47	8.55	0.00
Trevino, Robert	0.98	-0.79	-0.09	1.30	-0.74	1.16	-0.77	0.45	-0.80	0.00
Zalewski, John	1.66	-1.23	-0.47	0.31	-2.48	3.28	-0.98	1.42	6.68	0.00
MAXIMUM	-1.92	-1.26	-1.59	1.30	1.47	1.21	-1.47	-1.95	1.34	0.00
MINIMUM	0.00	-0.58	-0.09	-0.28	-0.37	0.11	0.00	-0.19	0.27	0.00
RANGE(MAX-MIN)	-1.924	-0.681	-1.496	1.582	1.841	1.103	-1.470	-1.762	1.069	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	21.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	33.50	37.51	0.95	0.25	2.61	25.76	0.68	31.00	44.00	0.00
Barrera, Tony	27.50	20.59	0.56	0.32	3.55	29.40	0.89	12.00	12.00	0.00
Bean, Janelle	30.25	20.31	1.09	0.60	2.27	26.50	0.73	15.00	3.00	0.00
Broff, Andy	28.70	17.80	0.55	0.12	1.62	42.40	0.65	25.00	40.00	0.00
Clare, Jamie	29.75	20.28	0.37	0.31	1.47	30.70	0.41	20.00	10.00	0.00
De Armas, Raymond	37.75	21.68	2.26	0.42	2.56	36.25	2.46	2.00	60.00	0.00
Foeking, Brian	30.75	25.60	0.74	0.25	2.57	28.29	0.15	14.00	20.00	0.00
Gao, Siyuan	43.75	19.89	2.40	1.50	3.64	65.55	1.72	80.00	60.00	0.00
Greenland, Paul	31.25	20.73	0.36	0.22	1.47	29.80	0.26	23.00	9.00	0.00
Kobrinetz, Joaquin J.	32.75	22.05	0.60	0.20	4.01	27.90	0.63	20.00	19.00	0.00
Langford, Mike	31.00	22.17	0.67	0.36	3.56	27.54	0.54	20.00	10.00	0.00
Lu, Wentong	32.25	21.11	0.39	0.28	2.49	26.80	0.47	26.00	8.00	0.00
Ma, Xiang	25.55	16.12	1.20	0.40	4.38	21.50	1.69	6.00	2.00	0.00
May, Marianne	30.75	26.05	0.38	0.22	2.36	26.77	0.38	18.00	19.00	0.00
Price, Gregory	31.75	28.59	0.96	0.31	4.08	27.23	0.70	18.00	36.00	0.00
Reese, Kyle	27.50	21.55	0.49	0.59	2.47	29.10	1.50	25.00	21.00	0.00
Tang, Chuan	33.50	20.53	0.45	0.45	2.45	31.30	1.12	31.00	23.00	0.00
Trevino, Robert	30.75	20.77	0.46	0.51	3.48	28.88	0.50	20.00	18.00	0.00
Veiga, Victor	29.00	20.16	1.13	0.57	3.16	28.27	2.21	24.40	15.00	0.00
Xu, Raphael	35.00	20.31	0.42	0.34	2.53	31.05	0.59	18.00	10.00	0.00
Zalewski, John	32.50	19.94	0.62	0.33	2.30	45.96	0.43	32.00	19.00	0.00
MAXIMUM	32.75	28.59	1.13	0.57	4.08	29.40	2.21	24.40	36.00	0.00
MINIMUM	27.50	20.16	0.38	0.20	2.36	26.77	0.15	12.00	12.00	0.00
RANGE(MAX-MIN)	5.250	8.430	0.750	0.370	1.720	2.630	2.060	12.400	24.000	0.000
MEAN	30.464	23.401	0.690	0.340	3.316	28.106	0.780	18.057	19.857	0.000
STANDARD DEVIATION	1.735	3.315	0.272	0.144	0.664	0.906	0.673	4.102	7.647	0.100
N SIZE	21.000									

Part ID= C3 - KEYSTONE

C3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Arrizon, Richard	1.75	4.26	0.96	-0.62	-1.06	-2.59	-0.15	3.16	3.16	0.00
Barrera, Tony	-1.71	-0.85	-0.48	-0.14	0.35	1.43	0.16	-1.48	-1.03	0.00
Bean, Janelle	-0.12	-0.93	1.47	1.80	-1.58	-1.77	-0.07	-0.75	-2.20	0.00
Broff, Andy	-1.02	-1.69	-0.52	-1.52	-2.56	15.77	-0.19	1.69	2.63	0.00
Clare, Jamie	-0.41	-0.94	-1.18	-0.21	-2.78	2.86	-0.55	0.47	-1.29	0.00
De Armas, Raymond	4.20	-0.52	5.78	0.55	-1.14	8.99	2.49	-3.91	5.25	0.00
Foeking, Brian	0.16	0.66	0.18	-0.62	-1.12	0.20	-0.94	-0.99	0.02	0.00
Gao, Siyuan	7.66	-1.06	5.19	8.03	0.49	41.31	1.40	15.10	5.25	0.00
Greenland, Paul	0.45	-0.81	-1.21	-0.83	-2.78	1.87	-0.77	1.21	-1.42	0.00
Kobrinetz, Joaquin J.	1.32	-0.41	-0.33	-0.97	1.05	-0.23	-0.22	0.47	-0.11	0.00
Langford, Mike	0.31	-0.37	-0.07	0.14	0.37	-0.62	-0.36	0.47	-1.29	0.00
Lu, Wentong	1.03	-0.69	-1.10	-0.42	-1.24	-1.44	-0.46	1.94	-1.55	0.00
Ma, Xiang	-2.83	-2.20	1.88	0.42	1.60	-7.29	1.35	-2.94	-2.34	0.00
May, Marianne	0.16	0.80	-1.14	-0.83	-1.44	-1.47	-0.59	-0.01	-0.11	0.00
Price, Gregory	0.74	1.57	0.99	-0.21	1.15	-0.97	-0.12	-0.01	2.11	0.00
Reese, Kyle	-1.71	-0.56	-0.74	1.73	-1.27	1.10	1.07	1.69	0.15	0.00
Tang, Chuan	1.75	-0.87	-0.88	0.76	-1.30	3.52	0.50	3.16	0.41	0.00
Trevino, Robert	0.16	-0.79	-0.85	1.18	0.25	0.85	-0.42	0.47	-0.24	0.00
Veiga, Victor	-0.84	-0.98	1.62	1.59	-0.23	0.18	2.12	1.55	-0.64	0.00
Xu, Raphael	2.61	-0.93	-0.99	0.00	-1.18	3.25	-0.28	-0.01	-1.29	0.00
Zalewski, John	1.17	-1.04	-0.26	-0.07	-1.53	19.70	-0.52	3.40	-0.11	0.00
MAXIMUM	-1.71	1.57	1.62	1.59	-1.44	-1.47	2.12	1.55	2.11	0.00
MINIMUM	0.16	-0.41	0.18	-0.14	-0.23	0.18	-0.12	-0.01	0.02	0.00
RANGE(MAX-MIN)	-1.874	1.973	1.435	1.731	-1.206	-1.655	2.242	1.560	2.092	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	21.000									

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C4 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	63.71	19.68	1.50	40.74	36.97	17.46	1.84	73.00	10.00	25.00	35.00
Bean, Janelle	57.58	16.42	1.50	20.97	28.94	16.13	1.27	60.00	2.00	6.00	33.00
Broff, Andy	73.03	41.20	3.00	44.55	30.66	9.64	1.13	90.00	5.00	33.00	47.00
De Armas, Raymond	66.00	19.58	1.50	28.41	34.95	18.26	1.50	39.00	3.00	11.00	30.00
Foecking, Brian	58.65	17.34	1.50	37.53	38.26	17.01	1.50	72.00	2.00	23.00	25.00
Gao, Siyuan	48.50	42.60	1.50	19.37	32.50	22.45	1.50	70.00	20.00	5.00	78.00
Hills, Barry	58.37	18.72	1.95	33.65	38.60	15.58	2.22	66.00	7.00	15.00	36.00
Jones, Christopher	60.79	19.86	1.50	37.19	39.27	18.79	1.50	72.00	5.00	22.00	41.00
Kobrinetz, Joaquin J.	61.42	17.44	1.50	30.12	32.58	16.39	1.29	69.00	4.00	12.00	33.00
Lu, Wentong	63.31	17.74	1.50	29.78	37.58	16.43	1.50	62.00	5.00	11.00	35.00
Ma, Xiang	46.86	18.64	3.76	31.32	34.17	27.66	2.67	68.00	4.00	13.00	23.00
May, Marianne	59.27	19.20	2.26	30.84	33.20	15.13	3.30	62.00	3.00	11.00	28.00
Price, Gregory	57.86	19.33	3.16	30.82	28.44	12.84	1.74	68.00	4.00	12.00	26.00
Reese, Kyle	64.00	20.80	1.50	32.46	34.78	16.05	1.74	67.00	12.00	15.00	44.00
Rodriguez, Edward	61.64	22.12	1.50	29.11	34.86	18.45	1.65	64.00	10.00	11.00	26.00
Xu, Raphael	54.68	18.23	1.50	22.44	31.77	14.34	1.50	71.00	7.00	6.00	16.00
Zalewski, John	71.37	18.42	1.50	31.04	37.89	23.23	1.50	88.00	20.00	14.00	45.00
MAXIMUM	63.71	19.68	3.16	40.74	38.26	17.46	3.30	73.00	10.00	25.00	35.00
MINIMUM	57.86	17.34	1.50	30.12	28.44	12.84	1.29	62.00	2.00	11.00	25.00
RANGE(MAX-MIN)	5.850	2.340	1.660	10.620	9.820	4.620	2.010	11.000	8.000	14.000	10.000
MEAN	60.182	18.598	1.984	34.010	33.890	15.766	1.934	68.800	4.600	16.600	29.400
STANDARD DEVIATION	2.374	1.117	0.735	4.823	3.888	1.856	0.793	4.324	3.130	6.804	4.393
N SIZE	17.000										

Part ID= C4 - C13-STYLE

C4 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	1.49	0.97	-0.66	1.40	0.79	0.91	-0.12	0.97	1.73	1.23	1.27
Bean, Janelle	-1.10	-1.95	-0.66	-2.70	-1.27	0.20	-0.84	-2.04	-0.83	-1.56	0.82
Broff, Andy	5.44	-6.62	1.38	2.19	-0.83	-3.30	-1.01	4.90	0.13	2.41	4.04
De Armas, Raymond	2.45	0.88	-0.66	-1.16	0.27	1.34	-0.55	-6.89	-0.51	-0.82	0.14
Foecking, Brian	-0.65	-1.13	-0.66	0.73	1.12	0.67	-0.55	0.74	-0.83	0.94	-1.00
Gao, Siyuan	-4.92	-5.37	-0.66	-3.04	-0.36	3.44	-0.55	0.28	4.92	-1.70	11.06
Hills, Barry	-0.76	0.11	-0.05	-0.07	1.21	-0.10	0.36	-0.65	0.77	-0.24	1.50
Jones, Christopher	0.26	1.13	-0.66	0.66	1.38	1.63	-0.55	0.74	0.13	0.79	2.64
Kobrinetz, Joaquin J.	0.52	-1.04	-0.66	-0.81	-0.34	0.34	-0.81	0.05	-0.19	-0.68	0.82
Lu, Wentong	1.32	-0.77	-0.66	-0.88	0.95	0.36	-0.55	-1.57	0.13	-0.82	1.27
Ma, Xiang	-5.64	0.04	2.42	-0.56	0.07	6.44	0.93	-0.19	-0.19	-0.53	-1.46
May, Marianne	-0.38	0.54	0.38	-0.66	-0.18	-0.34	1.72	-1.57	-0.51	-0.82	-0.32
Price, Gregory	-0.98	0.66	1.60	-0.66	-1.40	-1.58	-0.24	-0.19	-0.19	-0.68	-0.77
Reese, Kyle	1.61	1.97	-0.66	-0.32	0.23	0.15	-0.24	-0.42	2.36	-0.24	3.32
Rodriguez, Edward	0.61	3.15	-0.66	-1.02	0.25	1.45	-0.36	-1.11	1.73	-0.82	-0.77
Xu, Raphael	-2.32	-0.33	-0.66	-2.40	-0.55	-0.77	-0.55	0.51	0.77	-1.56	-3.05
Zalewski, John	4.74	-0.16	-0.66	-0.62	1.03	4.02	-0.55	4.44	4.92	-0.38	3.55
MAXIMUM	1.49	-1.13	1.60	1.40	-1.40	-1.58	1.72	-1.57	1.73	1.23	1.27
MINIMUM	-0.38	0.54	0.38	-0.66	-0.18	0.34	-0.12	0.05	-0.19	-0.68	-0.32
RANGE(MAX-MIN)	1.870	-1.665	1.224	2.053	-1.224	-1.913	1.841	-1.619	1.917	1.911	1.593
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	17.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C5 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	55.75	15.17	5.37	7.35	32.08	1.50	3.90	53.00	3.00	0.00	37.00
Bean, Janelle	51.25	10.00	4.20	5.80	30.09	1.50	1.50	52.00	1.00	0.00	40.00
Broff, Andy	53.00	16.68	0.50	6.00	32.25	1.25	1.25	45.00	0.00	0.00	63.00
Cales, Jonathon	48.50	9.73	4.50	5.71	31.67	3.00	3.00	50.00	1.00	0.00	30.00
Clare, Jamie	55.00	9.60	3.30	3.71	30.53	1.50	1.80	53.00	7.00	0.00	35.00
De Armas, Raymond	64.75	11.00	6.46	7.30	37.40	4.50	4.50	30.00	60.00	0.00	60.00
Foecking, Brian	51.25	12.33	5.02	6.27	31.77	4.50	4.50	54.00	1.00	0.00	26.00
Greenland, Paul	53.75	12.28	4.96	5.50	31.31	4.50	4.50	55.00	2.00	0.00	34.00
Jones, Christopher	54.00	14.08	4.18	6.96	31.62	3.90	1.50	49.00	3.00	0.00	50.00
Kobrinetz, Joaquin J.	47.50	11.64	3.58	5.75	31.32	1.50	2.40	50.00	2.00	0.00	47.00
Langford, Mike	56.75	10.90	3.30	4.19	29.31	1.50	1.95	53.00	2.00	0.00	35.00
Lu, Wentong	53.00	11.28	2.40	6.32	28.32	1.50	1.50	57.00	1.00	0.00	42.00
May, Marianne	52.00	14.16	4.20	7.11	30.33	1.50	2.86	56.00	2.00	0.00	38.00
Price, Gregory	47.75	10.55	4.50	5.04	29.08	2.29	4.50	56.00	2.00	0.00	44.00
Reese, Kyle	42.50	9.46	3.45	3.50	30.52	1.50	1.95	56.00	2.00	0.00	30.00
Zalewski, John	67.50	8.59	1.50	4.60	31.84	1.50	1.50	67.00	1.00	0.00	65.00
MAXIMUM	55.75	15.17	5.37	7.35	32.08	4.50	4.50	56.00	3.00	0.00	47.00
MINIMUM	47.50	10.55	3.58	5.04	29.08	1.50	2.40	50.00	1.00	0.00	26.00
RANGE(MAX-MIN)	8.250	4.620	1.790	2.310	3.000	3.000	2.100	6.000	2.000	0.000	21.000
MEAN	50.850	12.770	4.534	6.304	30.916	2.258	3.632	53.800	2.000	0.000	38.400
STANDARD DEVIATION	3.403	1.877	0.700	0.955	1.221	1.299	0.961	2.490	0.707	0.100	8.081
N SIZE	16.000										

Part ID= C5 - C13-STYLE

C5 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	1.44	1.28	1.19	1.10	0.95	-0.58	0.28	-0.32	1.41	0.00	-0.17
Bean, Janelle	0.12	-1.48	-0.48	-0.53	-0.68	-0.58	-2.22	-0.72	-1.41	0.00	0.20
Broff, Andy	0.63	2.08	-5.77	-0.32	1.09	-0.78	-2.48	-3.53	-2.83	0.00	3.04
Cales, Jonathon	-0.69	-1.62	-0.05	-0.62	0.62	0.57	-0.66	-1.53	-1.41	0.00	-1.04
Clare, Jamie	1.22	-1.69	-1.76	-2.72	-0.32	-0.58	-1.91	-0.32	7.07	0.00	-0.42
De Armas, Raymond	4.08	-0.94	2.75	1.04	5.31	1.73	0.90	-9.56	82.02	0.00	2.67
Foecking, Brian	0.12	-0.23	0.69	-0.04	0.70	1.73	0.90	0.08	-1.41	0.00	-1.53
Greenland, Paul	0.85	-0.26	0.61	-0.84	0.32	1.73	0.90	0.48	0.00	0.00	-0.54
Jones, Christopher	0.93	0.70	-0.51	0.69	0.58	1.26	-2.22	-1.93	1.41	0.00	1.44
Kobrinetz, Joaquin J.	-0.98	-0.60	-1.36	-0.58	0.33	-0.58	-1.28	-1.53	0.00	0.00	1.06
Langford, Mike	1.73	-1.00	-1.76	-2.21	-1.32	-0.58	-1.75	-0.32	0.00	0.00	-0.42
Lu, Wentong	0.63	-0.79	-3.05	0.02	-2.13	-0.58	-2.22	1.29	-1.41	0.00	0.45
May, Marianne	0.34	0.74	-0.48	0.84	-0.48	-0.58	-0.80	0.88	0.00	0.00	-0.05
Price, Gregory	-0.91	-1.18	-0.05	-1.32	-1.50	0.02	0.90	0.88	0.00	0.00	0.69
Reese, Kyle	-2.45	-1.76	-1.55	-2.94	-0.32	-0.58	-1.75	0.88	0.00	0.00	-1.04
Zalewski, John	4.89	-2.23	-4.34	-1.78	0.76	-0.58	-2.22	5.30	-1.41	0.00	3.29
MAXIMUM	1.44	1.28	-1.36	-1.32	-1.50	1.73	-1.28	-1.53	1.41	0.00	-1.53
MINIMUM	0.12	-0.23	-0.05	-0.04	0.33	0.02	0.28	0.08	0.00	0.00	-0.05
RANGE(MAX-MIN)	1.322	1.513	-1.315	-1.288	-1.835	1.701	-1.561	-1.606	1.414	0.000	-1.485
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100	1.000
N SIZE	16.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C6 - C13-STYLE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	62.81	6.14	3.69	17.20	27.82	1.56	1.50	72.00	1.00	5.00	20.00
Bean, Janelle	54.53	4.68	4.05	14.55	26.79	1.65	3.90	54.00	1.00	5.00	14.00
Broff, Andy	75.04	4.33	4.30	15.46	19.00	2.25	1.25	76.00	0.00	11.00	30.00
Cales, Jonathon	51.54	4.26	4.20	15.31	28.51	4.50	4.14	45.00	1.00	5.00	21.00
Clare, Jamie	65.00	4.55	3.45	15.15	28.75	1.50	1.50	62.00	1.00	5.00	20.00
De Armas, Raymond	64.25	5.09	2.26	14.80	38.30	1.50	1.50	45.00	1.00	5.00	25.00
Foecking, Brian	51.80	5.30	4.54	16.25	27.03	1.90	4.44	59.00	1.00	6.00	16.00
Greenland, Paul	57.00	3.38	3.45	16.06	31.00	1.50	1.50	45.00	2.00	6.00	19.00
Hills, Barry	54.25	4.54	3.60	15.08	27.83	1.95	1.50	52.00	1.00	4.00	39.00
Jones, Christopher	52.21	5.62	3.90	18.10	26.77	2.70	3.16	57.00	1.00	6.00	18.00
Kobrinetz, Joaquin J.	54.28	4.60	2.87	15.42	27.78	1.54	2.29	57.00	1.00	3.00	35.00
Langford, Mike	54.83	4.86	3.30	15.92	30.25	1.50	1.50	52.00	1.00	6.00	20.00
Lu, Wentong	55.53	3.57	1.50	15.29	28.53	1.50	1.50	55.00	1.00	5.00	25.00
May, Marianne	54.57	5.56	2.26	14.49	26.32	1.50	1.50	53.00	1.00	3.00	21.00
Price, Gregory	43.32	6.46	4.50	15.14	25.53	1.80	3.45	52.00	1.00	5.00	27.00
Rodriguez, Edward	62.05	5.65	4.09	14.68	29.30	1.65	1.50	46.00	1.00	4.00	22.00
Veiga, Victor	51.00	4.90	4.32	12.50	24.78	1.50	3.00	49.50	1.00	0.00	48.00
Xu, Raphael	46.33	5.04	2.46	14.07	27.59	1.50	1.57	60.00	1.00	2.00	30.00
Zalewski, John	73.52	6.55	2.70	14.40	23.85	1.62	1.50	75.00	1.00	5.00	35.00
MAXIMUM	62.81	6.46	4.54	17.20	27.82	1.90	4.44	72.00	1.00	6.00	48.00
MINIMUM	43.32	4.60	2.26	12.50	24.78	1.50	1.50	49.50	1.00	0.00	16.00
RANGE(MAX-MIN)	19.490	1.860	2.280	4.700	3.040	0.400	2.940	22.500	0.000	6.000	32.000
MEAN	52.963	5.493	3.697	15.167	26.543	1.633	2.697	57.083	1.000	3.667	27.833
STANDARD DEVIATION	6.316	0.713	0.948	1.609	1.231	0.172	1.160	8.077	0.100	2.160	11.890
N SIZE	19.000										

Part ID= C6 - C13-STYLE

C6 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF
Barrera, Tony	1.56	0.91	-0.01	1.26	1.04	-0.43	-1.03	1.85	0.00	0.62	-0.66
Bean, Janelle	0.25	-1.14	0.37	-0.38	0.20	0.10	1.04	-0.38	0.00	0.62	-1.16
Broff, Andy	3.49	-1.63	0.64	0.18	-6.13	3.58	-1.25	2.34	-10.00	3.39	0.18
Cales, Jonathon	-0.23	-1.73	0.53	0.09	1.60	16.63	1.24	-1.50	0.00	0.62	-0.57
Clare, Jamie	1.91	-1.32	-0.26	-0.01	1.79	-0.77	-1.03	0.61	0.00	0.62	-0.66
De Armas, Raymond	1.79	-0.57	-1.52	-0.23	9.55	-0.77	-1.03	-1.50	0.00	0.62	-0.24
Foecking, Brian	-0.18	-0.27	0.89	0.67	0.40	1.55	1.50	0.24	0.00	1.08	-1.00
Greenland, Paul	0.64	-2.96	-0.26	0.56	3.62	-0.77	-1.03	-1.50	10.00	1.08	-0.74
Hills, Barry	0.20	-1.34	-0.10	-0.05	1.04	1.84	-1.03	-0.63	0.00	0.15	0.94
Jones, Christopher	-0.12	0.18	0.21	1.82	0.18	6.19	0.40	-0.01	0.00	1.08	-0.83
Kobrinetz, Joaquin J.	0.21	-1.25	-0.87	0.16	1.00	-0.54	-0.35	-0.01	0.00	-0.31	0.60
Langford, Mike	0.30	-0.89	-0.42	0.47	3.01	-0.77	-1.03	-0.63	0.00	1.08	-0.66
Lu, Wentong	0.41	-2.70	-2.32	0.08	1.61	-0.77	-1.03	-0.26	0.00	0.62	-0.24
May, Marianne	0.25	0.09	-1.52	-0.42	-0.18	-0.77	-1.03	-0.51	0.00	-0.31	-0.57
Price, Gregory	-1.53	1.36	0.85	-0.02	-0.82	0.97	0.65	-0.63	0.00	0.62	-0.07
Rodriguez, Edward	1.44	0.22	0.42	-0.30	2.24	0.10	-1.03	-1.37	0.00	0.15	-0.49
Veiga, Victor	-0.31	-0.83	0.66	-1.66	-1.43	-0.77	0.26	-0.94	0.00	-1.70	1.70
Xu, Raphael	-1.05	-0.64	-1.30	-0.68	0.85	-0.77	-0.97	0.36	0.00	-0.77	0.18
Zalewski, John	3.25	1.48	-1.05	-0.48	-2.19	-0.08	-1.03	2.22	0.00	0.62	0.60
MAXIMUM	1.56	1.36	-1.52	-1.66	-1.43	1.55	1.50	1.85	0.00	-1.70	1.70
MINIMUM	-0.18	0.09	-0.01	-0.02	-0.18	-0.43	0.26	-0.01	0.00	-0.31	-0.07
RANGE(MAX-MIN)	1.743	1.262	-1.509	-1.641	-1.251	1.973	1.241	1.857	0.000	-1.389	1.766
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100	1.000	1.000
N SIZE	19.000										

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= C7 - DV4 PISTON

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	27.25	80.50	16.74	73.00	24.53
Bean, Janelle	16.95	77.50	8.80	47.50	16.92
Bolaney, Jonathan	19.08	77.50	16.06	72.25	17.74
Broff, Andy	49.48	38.40	73.70	32.50	19.65
Cales, Jonathon	17.44	70.00	16.37	62.50	18.00
De Armas, Raymond	27.75	29.50	18.85	70.00	54.59
Foecking, Brian	18.99	81.25	17.16	74.50	21.53
Hayden, Matthew	20.95	56.50	16.85	33.87	21.86
Hills, Barry	17.80	69.25	16.51	68.01	17.53
Kobrinetz, Joaquin J.	18.79	76.75	16.41	52.00	17.19
May, Marianne	22.38	77.50	16.49	68.26	22.11
Price, Gregory	20.69	72.25	17.26	44.76	18.47
Rodriguez, Edward	20.38	78.25	16.56	69.00	25.63
Veiga, Victor	19.26	36.25	18.53	30.25	23.13
Veiga, Victor (Rerate)	19.26	71.50	18.53	31.75	22.38
Zalewski, John	19.33	97.00	31.75	90.02	16.22
MAXIMUM	27.75	97.00	31.75	90.02	25.63
MINIMUM	16.95	29.50	8.80	30.25	16.22
RANGE(MAX-MIN)	10.800	67.500	22.950	59.770	9.410
MEAN	20.420	68.119	17.525	57.511	20.193
STANDARD DEVIATION	3.193	18.546	4.561	18.665	3.009
N SIZE	16.000				

Part ID= C7 - DV4 PISTON

C7 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Barrera, Tony	2.14	0.67	-0.17	0.83	1.44
Bean, Janelle	-1.09	0.51	-1.91	-0.54	-1.09
Bolaney, Jonathan	-0.42	0.51	-0.32	0.79	-0.82
Broff, Andy	9.10	-1.60	12.32	-1.34	-0.18
Cales, Jonathon	-0.93	0.10	-0.25	0.27	-0.73
De Armas, Raymond	2.30	-2.08	0.29	0.67	11.43
Foecking, Brian	-0.45	0.71	-0.08	0.91	0.44
Hayden, Matthew	0.17	-0.63	-0.15	-1.27	0.55
Hills, Barry	-0.82	0.06	-0.22	0.56	-0.89
Kobrinetz, Joaquin J.	-0.51	0.47	-0.24	-0.30	-1.00
May, Marianne	0.61	0.51	-0.23	0.58	0.64
Price, Gregory	0.08	0.22	-0.06	-0.68	-0.57
Rodriguez, Edward	-0.01	0.55	-0.21	0.62	1.81
Veiga, Victor	-0.36	-1.72	0.22	-1.46	0.98
Veiga, Victor (Rerate)	-0.36	0.18	0.22	-1.38	0.73
Zalewski, John	-0.34	1.56	3.12	1.74	-1.32
MAXIMUM	2.30	-2.08	3.12	1.74	1.81
MINIMUM	-0.01	0.06	-0.06	0.27	-0.18
RANGE(MAX-MIN)	2.308	-2.143	3.177	1.474	1.988
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000
N SIZE	16.000				

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DFEMF	R2DFEMF	R3DFEMF	R4DFEMF	R5DFEMF	R6DFEMF
Bolaney, Jonathan	14.00	15.00	45.00	49.00	22.00	49.00
Broff, Andy	10.00	16.00	85.00	90.00	46.00	92.00
Castillo, George	10.00	10.00	50.00	41.00	16.00	69.00
De Armas, Raymond	4.00	3.00	39.00	43.00	6.00	48.00
DeCapite, Vanessa	12.00	10.00	54.00	57.00	34.00	64.00
Foecking, Brian	12.00	16.00	58.00	56.00	32.00	67.00
Hayden, Matthew	14.00	10.00	43.00	43.00	20.00	49.00
Kobrinetz, Joaquin J.	10.00	10.00	40.00	45.00	18.00	51.00
Ma, Xiang	11.00	11.00	24.00	19.00	13.00	24.00
May, Marianne	9.00	8.00	40.00	30.00	18.00	47.00
Price, Gregory	12.00	12.00	40.00	37.00	19.00	42.00
Seiz, Ray	12.00	10.00	55.00	62.00	30.00	72.00
Trevino, Robert	10.00	7.00	40.00	33.00	20.00	51.00
Zalewski, John	19.00	13.00	80.00	79.00	38.00	62.00
MAXIMUM	19.00	16.00	85.00	90.00	46.00	92.00
MINIMUM	4.00	3.00	24.00	19.00	6.00	24.00
RANGE(MAX-MIN)	15.000	13.000	61.000	71.000	40.000	68.000
MEAN	11.357	10.786	49.500	48.857	23.714	56.214
STANDARD DEVIATION	3.296	3.556	16.402	18.965	10.816	16.301
N SIZE	14.000					

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

J1-6 YI Values

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

Rater	R1DFEMF	R2DFEMF	R3DFEMF	R4DFEMF	R5DFEMF	R6DFEMF
Bolaney, Jonathan	0.80	1.19	-0.27	0.01	-0.16	-0.44
Broff, Andy	-0.41	1.47	2.16	2.17	2.06	2.20
Castillo, George	-0.41	-0.22	0.03	-0.41	-0.71	0.78
De Armas, Raymond	-2.23	-2.19	-0.64	-0.31	-1.64	-0.50
DeCapite, Vanessa	0.20	-0.22	0.27	0.43	0.95	0.48
Foecking, Brian	0.20	1.47	0.52	0.38	0.77	0.66
Hayden, Matthew	0.80	-0.22	-0.40	-0.31	-0.34	-0.44
Kobrinetz, Joaquin J.	-0.41	-0.22	-0.58	-0.20	-0.53	-0.32
Ma, Xiang	-0.11	0.06	-1.55	-1.57	-0.99	-1.98
May, Marianne	-0.72	-0.78	-0.58	-0.99	-0.53	-0.57
Price, Gregory	0.20	0.34	-0.58	-0.63	-0.44	-0.87
Seiz, Ray	0.20	-0.22	0.34	0.69	0.58	0.97
Trevino, Robert	-0.41	-1.06	-0.58	-0.84	-0.34	-0.32
Zalewski, John	2.32	0.62	1.86	1.59	1.32	0.35
MAXIMUM	2.32	-2.19	2.16	2.17	2.06	2.20
MINIMUM	-0.11	0.06	0.03	0.01	-0.16	-0.32
RANGE(MAX-MIN)	2.427	-2.250	2.134	2.162	2.219	2.515
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	14.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DFME	R2DFME	R3DFME	R4DFME	R5DFME	R6DFME
Bolaney, Jonathan	19.00	11.00	35.00	14.00	12.00	18.00
Broff, Andy	23.00	19.00	96.00	34.00	16.00	22.00
Castillo, George	22.00	6.00	60.00	20.00	18.00	21.00
De Armas, Raymond	13.00	5.00	42.00	10.00	7.00	8.00
DeCapite, Vanessa	24.00	16.00	62.00	20.00	12.00	14.00
Foecking, Brian	22.00	10.00	60.00	17.00	10.00	16.00
Hayden, Matthew	20.00	20.00	42.00	22.00	19.00	19.00
Kobrinetz, Joaquin J.	17.00	10.00	42.00	13.00	9.00	12.00
Ma, Xiang	14.00	10.00	42.00	10.00	10.00	11.00
May, Marianne	16.00	6.00	43.00	10.00	7.00	10.00
Price, Gregory	19.00	11.00	43.00	13.00	11.00	12.00
Seiz, Ray	20.00	16.00	64.00	16.00	14.00	15.00
Trevino, Robert	17.00	4.00	45.00	12.00	7.00	11.00
Zalewski, John	32.00	12.00	28.00	20.00	19.00	22.00
MAXIMUM	32.00	20.00	96.00	34.00	19.00	22.00
MINIMUM	13.00	4.00	28.00	10.00	7.00	8.00
RANGE(MAX-MIN)	19.000	16.000	68.000	24.000	12.000	14.000
MEAN	19.857	11.143	50.286	16.500	12.214	15.071
STANDARD DEVIATION	4.786	5.067	16.968	6.513	4.353	4.682
N SIZE	14.000					

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

K1-6 YI Values

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

Rater	R1DFME	R2DFME	R3DFME	R4DFME	R5DFME	R6DFME
Bolaney, Jonathan	-0.18	-0.03	-0.90	-0.38	-0.05	0.63
Broff, Andy	0.66	1.55	2.69	2.69	0.87	1.48
Castillo, George	0.45	-1.02	0.57	0.54	1.33	1.27
De Armas, Raymond	-1.43	-1.21	-0.49	-1.00	-1.20	-1.51
DeCapite, Vanessa	0.87	0.96	0.69	0.54	-0.05	-0.23
Foecking, Brian	0.45	-0.23	0.57	0.08	-0.51	0.20
Hayden, Matthew	0.03	1.75	-0.49	0.84	1.56	0.84
Kobrinetz, Joaquin J.	-0.60	-0.23	-0.49	-0.54	-0.74	-0.66
Ma, Xiang	-1.22	-0.23	-0.49	-1.00	-0.51	-0.87
May, Marianne	-0.81	-1.02	-0.43	-1.00	-1.20	-1.08
Price, Gregory	-0.18	-0.03	-0.43	-0.54	-0.28	-0.66
Seiz, Ray	0.03	0.96	0.81	-0.08	0.41	-0.02
Trevino, Robert	-0.60	-1.41	-0.31	-0.69	-1.20	-0.87
Zalewski, John	2.54	0.17	-1.31	0.54	1.56	1.48
MAXIMUM	2.54	1.75	2.69	2.69	1.56	-1.51
MINIMUM	0.03	-0.03	-0.31	0.08	-0.05	-0.02
RANGE(MAX-MIN)	2.508	1.776	3.006	2.610	1.608	-1.495
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	14.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	11.00	10.00	24.00	32.00	17.00	20.00
Bolaney, Jonathan	11.00	13.00	33.00	36.00	17.00	23.00
Broff, Andy	20.00	36.00	75.00	80.00	36.00	46.00
Castillo, George	12.00	9.00	36.00	42.00	18.00	31.00
De Armas, Raymond	10.00	6.00	15.00	14.00	16.00	10.00
DeCapite, Vanessa	18.00	12.00	42.00	46.00	31.00	20.00
Dominguez, Lucio	15.00	17.00	57.00	51.00	32.00	35.00
Gao, Siyuan	15.00	15.00	40.00	56.00	33.00	28.00
Hayden, Matthew	18.00	18.00	43.00	42.00	23.00	21.00
Kobrinetz, Joaquin J.	8.00	10.00	32.00	31.00	15.00	20.00
Lonsway, Chris	10.00	12.00	52.00	54.00	16.00	29.00
Rodriguez, Edward	6.00	14.00	55.00	53.00	32.00	31.00
Seiz, Ray	10.00	8.00	40.00	52.00	17.00	31.00
Trevino, Robert	12.00	9.00	38.00	40.00	20.00	30.00
Zalewski, John	20.00	18.00	42.00	46.00	14.00	37.00
MAXIMUM	20.00	18.00	75.00	80.00	36.00	46.00
MINIMUM	6.00	6.00	15.00	14.00	14.00	10.00
RANGE(MAX-MIN)	14.000	12.000	60.000	66.000	22.000	36.000
MEAN	13.067	12.214	41.600	45.000	22.467	27.467
STANDARD DEVIATION	4.367	3.806	14.332	14.707	7.909	8.749
N SIZE	15.000					

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

L1-6 Yi Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-0.47	-0.58	-1.23	-0.88	-0.69	-0.85
Bolaney, Jonathan	-0.47	0.21	-0.60	-0.61	-0.69	-0.51
Broff, Andy	1.59	6.25	2.33	2.38	1.71	2.12
Castillo, George	-0.24	-0.84	-0.39	-0.20	-0.56	0.40
De Armas, Raymond	-0.70	-1.63	-1.86	-2.11	-0.82	-2.00
DeCapite, Vanessa	1.13	-0.06	0.03	0.07	1.08	-0.85
Dominguez, Lucio	0.44	1.26	1.07	0.41	1.21	0.86
Gao, Siyuan	0.44	0.73	-0.11	0.75	1.33	0.06
Hayden, Matthew	1.13	1.52	0.10	-0.20	0.07	-0.74
Kobrinetz, Joaquin J.	-1.16	-0.58	-0.67	-0.95	-0.94	-0.85
Lonsway, Chris	-0.70	-0.06	0.73	0.61	-0.82	0.18
Rodriguez, Edward	-1.62	0.47	0.94	0.54	1.21	0.40
Seiz, Ray	-0.70	-1.11	-0.11	0.48	-0.69	0.40
Trevino, Robert	-0.24	-0.84	-0.25	-0.34	-0.31	0.29
Zalewski, John	1.59	1.52	0.03	0.07	-1.07	1.09
MAXIMUM	-1.62	-1.63	2.33	2.38	1.71	2.12
MINIMUM	-0.24	-0.06	0.03	0.07	0.07	0.06
RANGE(MAX-MIN)	-1.374	-1.576	2.303	2.312	1.644	2.057
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	15.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	29.00	54.00	11.00	11.00	12.00	9.00
Bolaney, Jonathan	25.00	25.00	10.00	14.00	13.00	11.00
Broff, Andy	90.00	84.00	14.00	20.00	34.00	31.00
Castillo, George	47.00	71.00	16.00	14.00	14.00	8.00
De Armas, Raymond	18.00	20.00	7.00	8.00	7.00	6.00
DeCapite, Vanessa	42.00	58.00	10.00	15.00	15.00	20.00
Dominguez, Lucio	22.00	59.00	10.00	12.00	11.00	7.00
Gao, Siyuan	62.00	74.00	25.00	26.00	30.00	18.00
Hayden, Matthew	41.00	60.00	15.00	19.00	19.00	14.00
Kobrinetz, Joaquin J.	29.00	50.00	8.00	11.00	11.00	8.00
Lonsway, Chris	45.00	68.00	8.00	18.00	11.00	8.00
Rodriguez, Edward	20.00	76.00	20.00	13.00	12.00	10.00
Seiz, Ray	54.00	67.00	10.00	10.00	10.00	12.00
Trevino, Robert	45.00	68.00	16.00	15.00	14.00	8.00
Zalewski, John	66.00	86.00	12.00	49.00	30.00	20.00
MAXIMUM	90.00	86.00	25.00	26.00	34.00	31.00
MINIMUM	18.00	20.00	7.00	8.00	7.00	6.00
RANGE(MAX-MIN)	72.000	66.000	18.000	18.000	27.000	25.000
MEAN	42.333	61.333	12.800	14.714	16.200	12.667
STANDARD DEVIATION	19.916	18.787	4.945	4.730	8.308	6.873
N SIZE	15.000					

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

M1-6 Yi Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-0.67	-0.39	-0.36	-0.79	-0.51	-0.53
Bolaney, Jonathan	-0.87	-1.93	-0.57	-0.15	-0.39	-0.24
Broff, Andy	2.39	1.21	0.24	1.12	2.14	2.67
Castillo, George	0.23	0.51	0.65	-0.15	-0.26	-0.68
De Armas, Raymond	-1.22	-2.20	-1.17	-1.42	-1.11	-0.97
DeCapite, Vanessa	-0.02	-0.18	-0.57	0.06	-0.14	1.07
Dominguez, Lucio	-1.02	-0.12	-0.57	-0.57	-0.63	-0.82
Gao, Siyuan	0.99	0.67	2.47	2.39	1.66	0.78
Hayden, Matthew	-0.07	-0.07	0.44	0.91	0.34	0.19
Kobrinetz, Joaquin J.	-0.67	-0.60	-0.97	-0.79	-0.63	-0.68
Lonsway, Chris	0.13	0.35	-0.97	0.69	-0.63	-0.68
Rodriguez, Edward	-1.12	0.78	1.46	-0.36	-0.51	-0.39
Seiz, Ray	0.59	0.30	-0.57	-1.00	-0.75	-0.10
Trevino, Robert	0.13	0.35	0.65	0.06	-0.26	-0.68
Zalewski, John	1.19	1.31	-0.16	7.25	1.66	1.07
MAXIMUM	2.39	-2.20	2.47	2.39	2.14	2.67
MINIMUM	-0.02	-0.07	-0.16	0.06	-0.14	-0.10
RANGE(MAX-MIN)	2.410	-2.129	2.629	2.326	2.287	2.764
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	15.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	12.00	43.00	30.00	25.00	36.00	44.00
Broff, Andy	51.00	95.00	75.00	50.00	82.00	90.00
Castillo, George	17.00	58.00	52.00	39.00	54.00	59.00
De Armas, Raymond	8.00	35.00	32.00	27.00	42.00	50.00
Foecking, Brian	16.00	69.00	50.00	35.00	56.00	63.00
Gao, Siyuan	27.00	51.00	47.00	40.00	49.00	54.00
Hayden, Matthew	14.00	50.00	36.00	29.00	39.00	43.00
Kobrinetz, Joaquin J.	13.00	45.00	32.00	23.00	32.00	43.00
Ma, Xiang	12.00	30.00	18.00	20.00	24.00	19.00
May, Marianne	12.00	38.00	35.00	32.00	44.00	46.00
Price, Gregory	16.00	43.00	22.00	24.00	30.00	36.00
Zalewski, John	25.00	80.00	52.00	42.00	77.00	86.00
MAXIMUM	27.00	95.00	75.00	50.00	82.00	90.00
MINIMUM	8.00	30.00	18.00	20.00	24.00	19.00
RANGE(MAX-MIN)	19.000	65.000	57.000	30.000	58.000	71.000
MEAN	15.636	53.083	40.083	32.167	47.083	52.750
STANDARD DEVIATION	5.714	19.374	15.779	9.134	17.891	19.951
N SIZE	12.000					

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

N1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-0.64	-0.52	-0.64	-0.78	-0.62	-0.44
Broff, Andy	6.19	2.16	2.21	1.95	1.95	1.87
Castillo, George	0.24	0.25	0.76	0.75	0.39	0.31
De Armas, Raymond	-1.34	-0.93	-0.51	-0.57	-0.28	-0.14
Foecking, Brian	0.06	0.82	0.63	0.31	0.50	0.51
Gao, Siyuan	1.99	-0.11	0.44	0.86	0.11	0.06
Hayden, Matthew	-0.29	-0.16	-0.26	-0.35	-0.45	-0.49
Kobrinetz, Joaquin J.	-0.46	-0.42	-0.51	-1.00	-0.84	-0.49
Ma, Xiang	-0.64	-1.19	-1.40	-1.33	-1.29	-1.69
May, Marianne	-0.64	-0.78	-0.32	-0.02	-0.17	-0.34
Price, Gregory	0.06	-0.52	-1.15	-0.89	-0.95	-0.84
Zalewski, John	1.64	1.39	0.76	1.08	1.67	1.67
MAXIMUM	1.99	2.16	2.21	1.95	1.95	1.87
MINIMUM	0.06	-0.11	-0.26	-0.02	0.11	0.06
RANGE(MAX-MIN)	1.925	2.271	2.472	1.971	1.845	1.804
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	12.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	13.00	8.00	5.00	6.00	3.00	11.00
Broff, Andy	35.00	20.00	14.00	31.00	4.00	45.00
Castillo, George	23.00	14.00	10.00	11.00	4.00	25.00
De Armas, Raymond	14.00	7.00	8.00	10.00	2.00	12.00
Foecking, Brian	20.00	10.00	8.00	9.00	4.00	18.00
Gao, Siyuan	39.00	10.00	7.00	32.00	5.00	10.00
Hayden, Matthew	22.00	10.00	6.00	10.00	6.00	20.00
Kobrinetz, Joaquin J.	13.00	8.00	5.00	7.00	4.00	12.00
Ma, Xiang	13.00	9.00	6.00	10.00	6.00	13.00
May, Marianne	13.00	6.00	5.00	7.00	4.00	14.00
Price, Gregory	12.00	9.00	6.00	8.00	6.00	12.00
Zalewski, John	28.00	12.00	12.00	25.00	4.00	37.00
MAXIMUM	39.00	20.00	14.00	32.00	6.00	45.00
MINIMUM	12.00	6.00	5.00	6.00	2.00	10.00
RANGE(MAX-MIN)	27.000	14.000	9.000	26.000	4.000	35.000
MEAN	20.417	10.250	7.667	13.833	4.333	19.083
STANDARD DEVIATION	9.327	3.745	2.934	9.600	1.231	11.245
N SIZE	12.000					

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

O1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-0.80	-0.60	-0.91	-0.82	-1.08	-0.72
Broff, Andy	1.56	2.60	2.16	1.79	-0.27	2.30
Castillo, George	0.28	1.00	0.80	-0.30	-0.27	0.53
De Armas, Raymond	-0.69	-0.87	0.11	-0.40	-1.90	-0.63
Foecking, Brian	-0.04	-0.07	0.11	-0.50	-0.27	-0.10
Gao, Siyuan	1.99	-0.07	-0.23	1.89	0.54	-0.81
Hayden, Matthew	0.17	-0.07	-0.57	-0.40	1.35	0.08
Kobrinetz, Joaquin J.	-0.80	-0.60	-0.91	-0.71	-0.27	-0.63
Ma, Xiang	-0.80	-0.33	-0.57	-0.40	1.35	-0.54
May, Marianne	-0.80	-1.13	-0.91	-0.71	-0.27	-0.45
Price, Gregory	-0.90	-0.33	-0.57	-0.61	1.35	-0.63
Zalewski, John	0.81	0.47	1.48	1.16	-0.27	1.59
MAXIMUM	1.99	2.60	2.16	1.89	-1.90	2.30
MINIMUM	-0.04	-0.07	0.11	-0.30	-0.27	0.08
RANGE(MAX-MIN)	2.037	2.671	2.045	2.188	-1.625	2.223
MEAN	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000
N SIZE	12.000					

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMOP1 - ISM OIL PAN

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.00	
Barrera, Tony	9.00	
Bolaney, Jonathan	9.06	
Broff, Andy	9.17	
Cales, Jonathon	9.14	
Castillo, George	9.10	
Clare, Jamie	9.06	
De Armas, Raymond	9.40	
DeCapite, Vanessa	9.01	
Dominguez, Lucio	9.00	
Foecking, Brian	9.02	
Gao, Siyuan	9.06	
Greenland, Paul	9.06	
Hayden, Matthew	8.91	
Hill, Howard P.	9.02	
Hills, Barry	9.05	
Kobrinetz, Joaquin J.	9.02	
Langford, Mike	9.06	
Lonsway, Chris	9.00	
Lopez, Frank	9.10	
Lu, Wentong	9.27	
Ma, Xiang	9.40	
May, Marianne	8.89	
Price, Gregory	9.01	
Rodriguez, Jesus (Jesse)	9.00	
Sanchez, Arthur	9.02	
Seiz, Ray	8.53	
Trevino, Robert	9.00	
Veiga, Victor	9.19	
Veiga, Victor (Rerate)	9.15	
Xu, Raphael	8.93	
You, Dalong	9.01	
Zalewski, John	8.54	
MAXIMUM	9.40	
MINIMUM	8.53	
RANGE(MAX-MIN)	0.870	
MEAN	9.036	
STANDARD DEVIATION	0.173	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMOP1 - ISM OIL PAN

ISMOP1 Y1 Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.21	
Barrera, Tony	-0.21	
Bolaney, Jonathan	0.14	
Broff, Andy	0.78	
Cales, Jonathon	0.60	
Castillo, George	0.37	
Clare, Jamie	0.14	
De Armas, Raymond	2.11	
DeCapite, Vanessa	-0.15	
Dominguez, Lucio	-0.21	
Foecking, Brian	-0.09	
Gao, Siyuan	0.14	
Greenland, Paul	0.14	
Hayden, Matthew	-0.73	
Hill, Howard P.	-0.09	
Hills, Barry	0.08	
Kobrinetz, Joaquin J.	-0.09	
Langford, Mike	0.14	
Lonsway, Chris	-0.21	
Lopez, Frank	0.37	
Lu, Wentong	1.35	
Ma, Xiang	2.11	
May, Marianne	-0.84	
Price, Gregory	-0.15	
Rodriguez, Jesus (Jesse)	-0.21	
Sanchez, Arthur	-0.09	
Seiz, Ray	-2.92	
Trevino, Robert	-0.21	
Veiga, Victor	0.89	
Veiga, Victor (Rerate)	0.66	
Xu, Raphael	-0.61	
You, Dalong	-0.15	
Zalewski, John	-2.87	
MAXIMUM	-2.92	
MINIMUM	0.08	
RANGE(MAX-MIN)	-3.006	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMOP2 - ISM OIL PAN

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.04	
Barrera, Tony	9.04	
Bolaney, Jonathan	9.14	
Broff, Andy	9.11	
Cales, Jonathon	9.09	
Castillo, George	9.17	
Clare, Jamie	9.12	
De Armas, Raymond	9.43	
DeCapite, Vanessa	9.02	
Dominguez, Lucio	9.04	
Foecking, Brian	9.06	
Gao, Siyuan	9.33	
Greenland, Paul	9.12	
Hayden, Matthew	9.06	
Hill, Howard P.	9.11	
Hills, Barry	9.10	
Kobrinetz, Joaquin J.	9.05	
Langford, Mike	9.11	
Lonsway, Chris	9.08	
Lopez, Frank	9.19	
Lu, Wentong	9.47	
Ma, Xiang	9.39	
May, Marianne	9.05	
Price, Gregory	9.04	
Rodriguez, Jesus (Jesse)	9.03	
Sanchez, Arthur	9.10	
Seiz, Ray	8.94	
Trevino, Robert	9.04	
Veiga, Victor	9.34	
Veiga, Victor (Rerate)	9.09	
Xu, Raphael	9.00	
You, Dalong	9.11	
Zalewski, John	9.01	
MAXIMUM	9.47	
MINIMUM	8.94	
RANGE(MAX-MIN)	0.530	
MEAN	9.122	
STANDARD DEVIATION	0.128	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMOP2 - ISM OIL PAN

ISMOP2 Y1 Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.64	
Barrera, Tony	-0.64	
Bolaney, Jonathan	0.14	
Broff, Andy	-0.09	
Cales, Jonathon	-0.25	
Castillo, George	0.38	
Clare, Jamie	-0.01	
De Armas, Raymond	2.41	
DeCapite, Vanessa	-0.80	
Dominguez, Lucio	-0.64	
Foecking, Brian	-0.48	
Gao, Siyuan	1.63	
Greenland, Paul	-0.01	
Hayden, Matthew	-0.48	
Hill, Howard P.	-0.09	
Hills, Barry	-0.17	
Kobrinetz, Joaquin J.	-0.56	
Langford, Mike	-0.09	
Lonsway, Chris	-0.33	
Lopez, Frank	0.53	
Lu, Wentong	2.73	
Ma, Xiang	2.10	
May, Marianne	-0.56	
Price, Gregory	-0.64	
Rodriguez, Jesus (Jesse)	-0.72	
Sanchez, Arthur	-0.17	
Seiz, Ray	-1.42	
Trevino, Robert	-0.64	
Veiga, Victor	1.71	
Veiga, Victor (Rerate)	-0.25	
Xu, Raphael	-0.95	
You, Dalong	-0.09	
Zalewski, John	-0.88	
MAXIMUM	2.73	
MINIMUM	-0.01	
RANGE(MAX-MIN)	2.740	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMRC1 - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.00	
Barrera, Tony	9.00	
Bolaney, Jonathan	9.37	
Broff, Andy	9.48	
Cales, Jonathon	9.08	
Castillo, George	9.07	
Clare, Jamie	9.00	
De Armas, Raymond	9.43	
DeCapite, Vanessa	9.04	
Dominguez, Lucio	9.00	
Foecking, Brian	9.03	
Gao, Siyuan	9.17	
Greenland, Paul	9.00	
Hayden, Matthew	8.89	
Hill, Howard P.	8.95	
Hills, Barry	9.03	
Kobrinetz, Joaquin J.	8.97	
Langford, Mike	8.98	
Lonsway, Chris	8.94	
Lopez, Frank	9.07	
Lu, Wentong	9.33	
Ma, Xiang	9.08	
May, Marianne	8.98	
Price, Gregory	8.93	
Rodriguez, Jesus (Jesse)	9.02	
Sanchez, Arthur	9.06	
Seiz, Ray	8.50	
Trevino, Robert	9.00	
Veiga, Victor	9.38	
Veiga, Victor (Rerate)	8.56	
Xu, Raphael	8.98	
You, Dalong	9.01	
Zalewski, John	8.13	
MAXIMUM	9.48	
MINIMUM	8.13	
RANGE(MAX-MIN)	1.350	
MEAN	9.014	
STANDARD DEVIATION	0.255	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMRC1 - ISM ROCKER COVER

ISMRC1 YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.05	
Barrera, Tony	-0.05	
Bolaney, Jonathan	1.40	
Broff, Andy	1.83	
Cales, Jonathon	0.26	
Castillo, George	0.22	
Clare, Jamie	-0.05	
De Armas, Raymond	1.63	
DeCapite, Vanessa	0.10	
Dominguez, Lucio	-0.05	
Foecking, Brian	0.06	
Gao, Siyuan	0.61	
Greenland, Paul	-0.05	
Hayden, Matthew	-0.49	
Hill, Howard P.	-0.25	
Hills, Barry	0.06	
Kobrinetz, Joaquin J.	-0.17	
Langford, Mike	-0.13	
Lonsway, Chris	-0.29	
Lopez, Frank	0.22	
Lu, Wentong	1.24	
Ma, Xiang	0.26	
May, Marianne	-0.13	
Price, Gregory	-0.33	
Rodriguez, Jesus (Jesse)	0.02	
Sanchez, Arthur	0.18	
Seiz, Ray	-2.01	
Trevino, Robert	-0.05	
Veiga, Victor	1.43	
Veiga, Victor (Rerate)	-1.78	
Xu, Raphael	-0.13	
You, Dalong	-0.02	
Zalewski, John	-3.46	
MAXIMUM	-3.46	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-3.449	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMRC2 - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.11	
Barrera, Tony	9.11	
Bolaney, Jonathan	9.10	
Broff, Andy	9.63	
Cales, Jonathon	9.11	
Castillo, George	9.12	
Clare, Jamie	9.15	
De Armas, Raymond	9.50	
DeCapite, Vanessa	9.13	
Dominguez, Lucio	9.04	
Foecking, Brian	9.11	
Gao, Siyuan	9.39	
Greenland, Paul	9.15	
Hayden, Matthew	9.07	
Hill, Howard P.	9.13	
Hills, Barry	9.03	
Kobrinetz, Joaquin J.	9.08	
Langford, Mike	9.15	
Lonsway, Chris	9.12	
Lopez, Frank	9.16	
Lu, Wentong	9.27	
Ma, Xiang	9.51	
May, Marianne	9.05	
Price, Gregory	9.08	
Rodriguez, Jesus (Jesse)	9.09	
Sanchez, Arthur	9.08	
Seiz, Ray	9.11	
Trevino, Robert	9.11	
Veiga, Victor	9.33	
Veiga, Victor (Rerate)	9.09	
Xu, Raphael	9.11	
You, Dalong	9.10	
Zalewski, John	9.08	
MAXIMUM	9.63	
MINIMUM	9.03	
RANGE(MAX-MIN)	0.600	
MEAN	9.164	
STANDARD DEVIATION	0.145	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= ISMRC2 - ISM ROCKER COVER

ISMRC2 YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.37	
Barrera, Tony	-0.37	
Bolaney, Jonathan	-0.44	
Broff, Andy	3.22	
Cales, Jonathon	-0.37	
Castillo, George	-0.30	
Clare, Jamie	-0.09	
De Armas, Raymond	2.33	
DeCapite, Vanessa	-0.23	
Dominguez, Lucio	-0.85	
Foecking, Brian	-0.37	
Gao, Siyuan	1.57	
Greenland, Paul	-0.09	
Hayden, Matthew	-0.65	
Hill, Howard P.	-0.23	
Hills, Barry	-0.92	
Kobrinetz, Joaquin J.	-0.58	
Langford, Mike	-0.09	
Lonsway, Chris	-0.30	
Lopez, Frank	-0.03	
Lu, Wentong	0.74	
Ma, Xiang	2.39	
May, Marianne	-0.79	
Price, Gregory	-0.58	
Rodriguez, Jesus (Jesse)	-0.51	
Sanchez, Arthur	-0.58	
Seiz, Ray	-0.37	
Trevino, Robert	-0.37	
Veiga, Victor	1.15	
Veiga, Victor (Rerate)	-0.51	
Xu, Raphael	-0.37	
You, Dalong	-0.44	
Zalewski, John	-0.58	
MAXIMUM	3.22	
MINIMUM	-0.03	
RANGE(MAX-MIN)	3.250	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	33.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= VVDL - VALVE DECK SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.18	
Barrera, Tony	9.13	
Bolaney, Jonathan	9.00	
Broff, Andy	8.96	
Cales, Jonathon	9.13	
Castillo, George	9.14	
Clare, Jamie	9.08	
De Armas, Raymond	9.21	
DeCapite, Vanessa	9.38	
Dominguez, Lucio	9.06	
Foecking, Brian	9.10	
Gao, Siyuan	9.36	
Greenland, Paul	9.39	
Hayden, Matthew	9.10	
Hill, Howard P.	9.16	
Hills, Barry	9.01	
Kobrinetz, Joaquin J.	9.21	
Langford, Mike	9.05	
Lonsway, Chris	9.09	
Lopez, Frank	9.25	
Lu, Wentong	9.46	
Ma, Xiang	9.42	
May, Marianne	9.14	
Price, Gregory	9.08	
Rodriguez, Jesus (Jesse)	9.18	
Sanchez, Arthur	9.23	
Seiz, Ray	9.42	
Trevino, Robert	9.15	
Veiga, Victor	9.55	
Veiga, Victor (Rerate)	9.05	
Xu, Raphael	9.00	
Zalewski, John	9.24	
MAXIMUM	9.55	
MINIMUM	8.96	
RANGE(MAX-MIN)	0.590	
MEAN	9.185	
STANDARD DEVIATION	0.150	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= VVDL - VALVE DECK SLUDGE L

VVDL Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.03	
Barrera, Tony	-0.36	
Bolaney, Jonathan	-1.23	
Broff, Andy	-1.50	
Cales, Jonathon	-0.36	
Castillo, George	-0.30	
Clare, Jamie	-0.70	
De Armas, Raymond	0.17	
DeCapite, Vanessa	1.30	
Dominguez, Lucio	-0.83	
Foecking, Brian	-0.56	
Gao, Siyuan	1.17	
Greenland, Paul	1.37	
Hayden, Matthew	-0.56	
Hill, Howard P.	-0.16	
Hills, Barry	-1.16	
Kobrinetz, Joaquin J.	0.17	
Langford, Mike	-0.90	
Lonsway, Chris	-0.63	
Lopez, Frank	0.43	
Lu, Wentong	1.83	
Ma, Xiang	1.57	
May, Marianne	-0.30	
Price, Gregory	-0.70	
Rodriguez, Jesus (Jesse)	-0.03	
Sanchez, Arthur	0.30	
Seiz, Ray	1.57	
Trevino, Robert	-0.23	
Veiga, Victor	2.43	
Veiga, Victor (Rerate)	-0.90	
Xu, Raphael	-1.23	
Zalewski, John	0.37	
MAXIMUM	2.43	
MINIMUM	-0.03	
RANGE(MAX-MIN)	2.463	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= VVDR - VALVE DECK SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	6.81	
Barrera, Tony	6.86	
Bolaney, Jonathan	6.83	
Broff, Andy	4.11	
Cales, Jonathon	6.79	
Castillo, George	6.99	
Clare, Jamie	6.98	
De Armas, Raymond	6.88	
DeCapite, Vanessa	6.97	
Dominguez, Lucio	6.73	
Foecking, Brian	6.83	
Gao, Siyuan	6.81	
Greenland, Paul	7.01	
Hayden, Matthew	6.77	
Hill, Howard P.	6.87	
Hills, Barry	6.87	
Kobrinetz, Joaquin J.	6.88	
Langford, Mike	6.99	
Lonsway, Chris	6.79	
Lopez, Frank	6.90	
Lu, Wentong	7.03	
Ma, Xiang	6.06	
May, Marianne	6.85	
Price, Gregory	6.71	
Rodriguez, Jesus (Jesse)	6.80	
Sanchez, Arthur	6.86	
Seiz, Ray	6.94	
Trevino, Robert	6.81	
Veiga, Victor	7.01	
Veiga, Victor (Rerate)	6.94	
Xu, Raphael	6.52	
Zalewski, John	6.60	
MAXIMUM	7.03	
MINIMUM	4.11	
RANGE(MAX-MIN)	2.920	
MEAN	6.744	
STANDARD DEVIATION	0.513	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Part ID= VVDR - VALVE DECK SLUDGE R

VVDR YI Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.13	
Barrera, Tony	0.23	
Bolaney, Jonathan	0.17	
Broff, Andy	-5.13	
Cales, Jonathon	0.09	
Castillo, George	0.48	
Clare, Jamie	0.46	
De Armas, Raymond	0.27	
DeCapite, Vanessa	0.44	
Dominguez, Lucio	-0.03	
Foecking, Brian	0.17	
Gao, Siyuan	0.13	
Greenland, Paul	0.52	
Hayden, Matthew	0.05	
Hill, Howard P.	0.25	
Hills, Barry	0.25	
Kobrinetz, Joaquin J.	0.27	
Langford, Mike	0.48	
Lonsway, Chris	0.09	
Lopez, Frank	0.30	
Lu, Wentong	0.56	
Ma, Xiang	-1.33	
May, Marianne	0.21	
Price, Gregory	-0.07	
Rodriguez, Jesus (Jesse)	0.11	
Sanchez, Arthur	0.23	
Seiz, Ray	0.38	
Trevino, Robert	0.13	
Veiga, Victor	0.52	
Veiga, Victor (Rerate)	0.38	
Xu, Raphael	-0.44	
Zalewski, John	-0.28	
MAXIMUM	-5.13	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-5.103	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	32.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Aguirre, Nancy P

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.21	0.70	-0.04	0.53	-0.76	-0.47	-0.68	-0.12	-0.24	0.00			
A2-KEYSTONE	0.22	-0.35	-0.23	-0.07	-0.68	0.91	-0.02	0.39	-0.15	0.00			
A3-KEYSTONE	-0.67	0.65	-0.23	0.34	-0.71	-0.78	-0.27	-0.32	0.44	0.00			
A4-C13-STYLE	-0.92	-0.66	-0.78		0.49	-0.91	-0.64	-1.82	-0.44	-0.18	-0.59	-1.62	
A5-C13-STYLE	-1.07	-0.87	-1.21		-0.37	-0.65	-0.50	-1.29	-0.58	-0.81	0.00	-0.94	
A6-C13-STYLE	-0.40	-1.11	-0.23		-1.89	-1.38	-1.50	-1.70	0.00	-0.79	-0.82	-0.74	
A7-DV4 PISTON	0.73	-1.16	-0.46			-0.44	-0.60						
B1-KEYSTONE	1.27	0.45	-0.79	-0.43	-1.20	0.87	-0.40	-0.30	0.06	0.00			
B2-KEYSTONE	2.02	-0.30	-0.59	-0.12	-1.11	1.24	-0.04	0.28	-1.04	0.00			
B3-KEYSTONE	0.68	2.03	-0.55	-0.34	-0.81	-0.76	-0.62	-0.27	-0.55	0.00			
B4-C13-STYLE	-0.07	-0.72	-0.13		0.56	0.68	0.14	-0.15	0.58	-0.05	-0.49	-1.15	
B5-C13-STYLE	0.01	-0.71	-1.12		0.41	-0.91	-0.35	0.41	0.21	-0.26	0.04	-1.10	
B6-C13-STYLE	1.95	-1.48	-1.03		-0.50	0.58	-0.67	1.02	-0.54	-0.43	-1.01	-1.09	
B7-DV4 PISTON	-1.77	-0.49	-0.63			-1.18	-0.76						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.02	2.03	-1.21	0.53	-1.89	-1.38	-1.50	-1.82	-1.04	-0.81	-1.01	-1.62	
MINIMUM	0.01	-0.30	-0.04	-0.07	-0.37	-0.44	-0.02	-0.12	0.00	0.00	0.00	-0.74	
RANGE(MAX-MIN)	2.010	2.330	-1.170	0.600	-1.520	-0.940	-1.480	-1.700	-1.040	-0.810	-1.010	-0.880	
MEAN	0.228	-0.287	-0.573	-0.015	-0.548	-0.229	-0.494	-0.323	-0.188	-0.210	-0.478	-1.107	
STANDARD DEVIATION	1.144	0.941	0.378	0.378	0.736	0.884	0.403	0.872	0.471	0.307	0.426	0.293	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Arrizon, Richard

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.67	0.81	-0.07	-1.04	-0.58	-0.76	-0.13	1.66	1.77	0.00			
A2-KEYSTONE	2.20	1.57	-0.24	-0.67	-1.25	-1.84	1.02	2.48	2.87	0.00			
A3-KEYSTONE	0.60	0.62	0.09	-0.73	0.40	-0.08	-0.10	1.49	1.82	0.00			
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.86	1.37	0.72	-0.57	-1.03	-0.68	1.01	1.92	1.91	0.00			
C2-KEYSTONE	-0.54	-0.33	-0.28	-1.53	-1.10	-1.72	-0.42	0.13	2.41	0.00			
C3-KEYSTONE	1.75	4.26	0.96	-0.62	-1.06	-2.59	-0.15	3.16	3.16	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.20	4.26	0.96	-1.53	-1.25	-2.59	1.02	3.16	3.16	0.00			
MINIMUM	-0.54	-0.33	-0.07	-0.57	0.40	-0.08	-0.10	0.13	1.77	0.00			
RANGE(MAX-MIN)	2.740	4.590	1.030	-0.960	-1.650	-2.510	1.120	3.030	1.390	0.000			
MEAN	1.090	1.383	0.197	-0.860	-0.770	-1.278	0.205	1.807	2.323	0.000			
STANDARD DEVIATION	0.995	1.559	0.521	0.368	0.616	0.927	0.638	1.023	0.589	0.100			

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Barrera, Tony

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.09	-1.43	-0.46	1.25	1.21	0.52	0.27	0.29	-0.81	0.00			
A2-KEYSTONE	-0.66	-0.02	0.03	0.02	0.42	-0.16	0.45	0.71	0.42	0.00			
A3-KEYSTONE	0.45	-1.12	-0.05	-0.07	0.93	0.64	0.16	0.13	-1.76	0.00			
A4-C13-STYLE	-0.65	-0.35	-0.78		1.72	0.82	0.39	-0.05	-0.44	1.48	-0.59	0.87	
A5-C13-STYLE	0.30	-0.29	0.82		-0.11	-0.41	-0.01	0.65	-0.58	-0.31	0.00	-0.40	
A6-C13-STYLE	0.92	1.04	0.29		0.77	0.59	-0.72	-0.17	0.00	-0.17	-0.82	-0.39	
A7-DV4 PISTON	-1.08	0.41	-0.56			-0.57	-0.80						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.07	-0.59	0.97	0.69	0.94	1.89	0.22	0.66	-0.70	10.00			
C2-KEYSTONE	-1.92	1.14	-0.47	0.72	-0.37	1.21	1.33	-1.95	1.34	0.00			
C3-KEYSTONE	-1.71	-0.85	-0.48	-0.14	0.35	1.43	0.16	-1.48	-1.03	0.00			
C4-C13-STYLE	1.49	0.97	-0.66		1.40	0.79	0.91	0.97	1.72	1.23	-0.12	1.27	
C5-C13-STYLE	1.44	1.28	1.19		1.10	0.95	-0.58	-0.32	1.41	0.00	0.28	-0.17	
C6-C13-STYLE	1.56	0.91	-0.01		1.26	1.04	-0.43	1.85	0.00	0.62	-1.03	-0.66	
C7-DV4 PISTON	2.14	0.67	-0.17			0.83	1.44						
MAXIMUM	2.14	-1.43	1.19	1.25	1.72	1.89	1.44	-1.95	-1.76	10.00	-1.03	1.27	
MINIMUM	0.07	-0.02	-0.01	0.02	-0.11	-0.16	-0.01	-0.05	0.00	0.00	0.00	-0.17	
RANGE(MAX-MIN)	2.070	-1.410	1.200	1.230	1.830	2.050	1.450	-1.900	-1.760	10.000	-1.030	1.440	
MEAN	0.161	0.126	-0.024	0.412	0.802	0.684	0.199	0.108	-0.036	0.259	-0.380	0.087	
STANDARD DEVIATION	1.263	0.910	0.630	0.559	0.622	0.683	0.697	1.036	1.076	0.589	0.511	0.788	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bean, Janelle

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.56	-1.31	-0.63	-0.78	0.58	-0.16	-0.23	-0.68	-0.45	0.00			
B2-KEYSTONE	-0.58	0.24	-0.65	-0.04	-0.68	0.81	0.43	-1.01	-0.12	0.00			
B3-KEYSTONE	-0.10	-0.55	-0.59	-0.10	-1.07	-1.27	0.78	-0.27	-1.39	0.00			
B4-C13-STYLE	-0.18	-1.21	-1.81		-1.29	-0.70	-0.48	-0.34	-0.87	-0.05	-0.49	0.05	
B5-C13-STYLE	-0.41	-1.35	-1.38		-2.81	0.94	-2.84	-0.95	-2.69	-0.26	-7.46	-1.10	
B6-C13-STYLE	-1.88	-0.91	0.74		-2.02	-2.73	1.26	0.09	-1.73	-1.06	-1.01	-2.58	
B7-DV4 PISTON	0.19	0.53	0.03			0.81	-0.82						
C1-KEYSTONE	0.29	3.57	-0.84	-0.82	-0.97	0.21	-0.52	0.27	-0.80	0.00			
C2-KEYSTONE	0.89	-0.41	-0.65	-0.94	-1.19	-1.33	-1.61	-0.35	-0.80	0.00			
C3-KEYSTONE	-0.12	-0.93	1.47	1.80	-1.58	-1.77	-0.07	-0.75	-2.20	0.00			
C4-C13-STYLE	-1.10	-1.95	-0.66		-2.70	-1.27	0.20	-2.04	-0.83	-1.56	-0.84	0.82	
C5-C13-STYLE	0.12	-1.48	-0.48		-0.53	-0.68	-0.58	-0.72	-1.41	0.00	-2.22	0.20	
C6-C13-STYLE	0.25	-1.14	0.37		-0.38	0.20	0.10	-0.38	0.00	0.62	1.04	-1.16	
C7-DV4 PISTON	-1.09	0.51	-1.91			-0.54	-1.09						
MAXIMUM	-1.88	3.57	-1.91	1.80	-2.81	-2.73	-2.84	-2.04	-2.69	-1.56	-7.46	-2.58	
MINIMUM	-0.10	0.24	0.03	-0.04	-0.38	-0.16	-0.07	0.09	0.00	0.00	-0.49	0.05	
RANGE(MAX-MIN)	-1.780	3.330	-1.940	1.840	-2.430	-2.570	-2.770	-2.130	-2.690	-1.560	-6.970	-2.630	
MEAN	-0.226	-0.456	-0.499	-0.147	-1.220	-0.534	-0.391	-0.594	-1.108	-0.193	-1.830	-0.628	
STANDARD DEVIATION	0.738	1.384	0.926	1.028	0.967	1.079	1.027	0.598	0.810	0.569	2.951	1.229	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bolaney, Jonathan

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.21	1.11	2.73	-0.78	0.60	-0.78	0.73	0.98	1.13	0.00			
A2-KEYSTONE	-2.20	2.36	-0.57	-0.30	1.10	-1.23	1.13	-0.41	0.23	0.00			
A3-KEYSTONE	0.45	0.90	0.02	-0.89	0.87	-0.19	-0.70	-0.47	0.53	0.00			
A4-C13-STYLE	-0.11	0.97	-0.78		0.32	-0.40	-0.18	0.14	-0.08	-0.18	-0.59	0.39	
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	1.76	-0.08	-0.92			-0.21	0.56						
B1-KEYSTONE													
B2-KEYSTONE	0.34	1.96	-1.71	-0.75	-0.02	0.46	2.96	-1.01	-1.19	0.00			
B3-KEYSTONE	-1.02	0.55	-1.50	-0.92	0.23	0.06	0.03	-0.82	-1.60	0.00			
B4-C13-STYLE	-0.11	0.65	-1.53		2.90	0.65	-2.48	-0.15	-0.87	2.44	-0.49	-0.52	
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	1.00	-0.14	0.34			-0.97	-0.66						
C1-KEYSTONE													
C2-KEYSTONE	1.21	0.73	-2.65	-0.61	0.35	2.99	-1.12	-0.03	-1.87	0.00			
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON	-0.42	0.51	-0.32			0.79	-0.82						
MAXIMUM	-2.20	2.36	2.73	-0.92	2.90	2.99	2.96	-1.01	-1.87	2.44	-0.59	-0.52	
MINIMUM	-0.11	-0.08	0.02	-0.30	-0.02	0.06	0.03	-0.03	-0.08	0.00	-0.49	0.39	
RANGE(MAX-MIN)	-2.090	2.440	2.710	-0.620	2.920	2.930	2.930	-0.980	-1.790	2.440	-0.100	-0.910	
MEAN	0.192	0.865	-0.626	-0.708	0.794	0.106	-0.050	-0.221	-0.465	-0.026	-0.590	-0.520	
STANDARD DEVIATION	1.141	0.755	1.403	0.229	0.924	1.157	1.410	0.620	1.077	0.100	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Broff, Andy

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.54	1.38	-0.04	0.60	-1.64	7.53	0.43	1.11	1.37	0.00			
A2-KEYSTONE	-5.64	-16.90	-0.26	-0.61	-1.68	11.03	-1.80	-0.89	-0.33	0.00			
A3-KEYSTONE	-0.08	2.90	0.33	-1.96	-1.25	2.03	2.01	2.84	2.18	0.00			
A4-C13-STYLE	1.86	-1.89	1.40		-0.95	1.38	-1.06	0.44	-1.16	-0.18	-0.59	3.46	
A5-C13-STYLE	0.59	-2.13	-1.05		-0.78	-1.65	2.70	1.29	-1.73	0.45	0.00	0.24	
A6-C13-STYLE	0.71	1.62	2.16		2.03	7.55	-0.58	3.48	-10.00	1.07	1.03	1.02	
A7-DV4 PISTON	-0.05	0.89	-0.92			1.73	-1.49						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.58	82.21	-0.84	-0.53	-0.65	5.60	3.03	0.02	-1.71	0.00			
C2-KEYSTONE	1.88	41.25	-2.96	0.47	-2.42	0.40	-1.75	0.13	-1.34	0.00			
C3-KEYSTONE	-1.02	-1.69	-0.52	-1.52	-2.56	15.77	-0.19	1.69	2.63	0.00			
C4-C13-STYLE	5.41	-6.62	1.38		2.19	-0.83	-3.30	4.90	0.13	2.41	-1.01	4.01	
C5-C13-STYLE	0.63	2.08	-5.77		-0.32	1.09	-0.78	-3.53	-2.83	0.00	-2.48	3.04	
C6-C13-STYLE	3.49	-1.63	0.64		0.18	-6.13	3.58	2.34	-10.00	3.39	-1.25	0.18	
C7-DV4 PISTON	9.10	-1.60	12.32			-1.34	-0.18						
MAXIMUM	9.10	82.21	12.32	-1.96	-2.56	15.77	3.58	4.90	-10.00	3.39	-2.48	4.01	
MINIMUM	-0.05	0.89	-0.04	0.47	0.18	0.40	-0.18	0.02	0.13	0.00	0.00	0.18	
RANGE(MAX-MIN)	9.150	81.320	12.360	-2.430	-2.740	15.370	3.760	4.880	-10.130	3.390	-2.480	3.830	
MEAN	1.274	1.358	-0.496	-0.592	-0.654	3.154	0.044	1.152	-1.899	0.595	-0.717	1.992	
STANDARD DEVIATION	3.344	13.042	2.059	1.028	1.518	5.746	2.058	2.194	4.128	1.145	1.188	1.710	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Cales, Jonathon

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	1.40	-0.64	2.29			0.34	-0.36						
C1-KEYSTONE	-0.65	-1.22	-1.59	1.75	-0.53	-0.93	0.82	-0.49	0.30	0.00			
C2-KEYSTONE	0.27	-1.28	-1.09	-0.11	-0.41	-0.56	-1.75	-3.23	0.27	0.00			
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE	-0.69	-1.62	-0.05		-0.62	0.62	0.57	-1.53	-1.41	0.00	-0.66	-1.04	
C6-C13-STYLE	-0.23	-1.73	0.53		0.09	1.60	16.63	-1.50	0.00	0.62	1.24	-0.57	
C7-DV4 PISTON	-0.93	0.10	-0.25			0.27	-0.73						
MAXIMUM	1.40	-1.73	2.29	1.75	-0.62	1.60	16.63	-3.23	-1.41	0.62	1.24	-1.04	
MINIMUM	-0.23	0.10	-0.05	-0.11	0.09	0.27	-0.36	-0.49	0.00	0.00	-0.66	-0.57	
RANGE(MAX-MIN)	1.630	-1.830	2.340	1.860	-0.710	1.330	16.990	-2.740	-1.410	0.620	1.900	-0.470	
MEAN	-0.138	-1.065	-0.027	-0.110	-0.368	0.223	-0.290	-1.688	-0.210	0.000	-0.660	-1.040	
STANDARD DEVIATION	0.864	0.687	1.364	0.000	0.317	0.896	1.037	1.136	0.811	0.100	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Castillo, George

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.56	-0.02	0.34	0.47	-0.54	-0.44	0.86	-0.68	0.06	0.00			
B2-KEYSTONE	-0.42	-1.27	0.68	0.84	-0.13	0.11	0.26	-0.09	1.72	0.00			
B3-KEYSTONE	-0.94	-1.22	0.40	-0.44	0.65	-0.94	0.18	-0.82	1.33	0.00			
B4-C13-STYLE	-0.06	-0.38	0.85		0.35	0.41	0.92	0.70	0.58	0.91	-0.49	0.36	
B5-C13-STYLE	-0.18	-1.51	-0.77		-0.42	-1.52	-1.38	1.27	1.66	0.78	0.04	-0.11	
B6-C13-STYLE	-0.55	-1.04	0.74		-0.48	-1.46	-0.60	-0.09	-0.54	-0.43	-0.57	0.54	
B7-DV4 PISTON	-0.62	-0.81	-1.19			-0.94	27.74						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-0.94	-1.51	-1.19	0.84	0.65	-1.52	27.74	1.27	1.72	0.91	-0.57	0.54	
MINIMUM	-0.06	-0.02	0.34	-0.44	-0.13	0.11	0.18	-0.09	0.06	0.00	0.04	-0.11	
RANGE(MAX-MIN)	-0.880	-1.490	-1.530	1.280	0.780	-1.630	27.560	1.360	1.660	0.910	-0.610	0.650	
MEAN	-0.316	-0.893	0.150	0.290	-0.095	-0.683	0.040	0.048	0.802	0.210	-0.340	0.263	
STANDARD DEVIATION	0.483	0.530	0.802	0.659	0.491	0.744	0.888	0.805	0.923	0.521	0.332	0.336	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= CHEN, JIONGJING

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF		
A1-KEYSTONE	0.65	-1.36	-0.33	0.40	0.65	-0.17	0.53	0.56	-0.89	0.00				
A2-KEYSTONE	1.76	-4.32	-0.23	-0.26	-0.64	-0.84	1.97	1.52	0.61	0.00				
A3-KEYSTONE	-0.11	-1.10	0.13	1.33	0.56	-0.73	0.44	-0.62	-1.86	0.00				
A4-C13-STYLE														
A5-C13-STYLE														
A6-C13-STYLE														
A7-DV4 PISTON	0.73	0.68	0.58			0.38	1.25							
B1-KEYSTONE	2.80	0.61	-0.06	-0.57	-2.17	0.96	0.39	1.43	1.33	0.00				
B2-KEYSTONE	0.64	0.70	-0.77	0.17	-1.03	-1.40	1.29	1.93	-0.12	0.00				
B3-KEYSTONE	0.97	0.27	-0.31	0.52	-1.17	1.09	-0.33	1.10	1.33	0.00				
B4-C13-STYLE														
B5-C13-STYLE														
B6-C13-STYLE														
B7-DV4 PISTON														
C1-KEYSTONE														
C2-KEYSTONE														
C3-KEYSTONE														
C4-C13-STYLE														
C5-C13-STYLE														
C6-C13-STYLE														
C7-DV4 PISTON														
MAXIMUM	2.80	-4.32	-0.77	1.33	-2.17	-1.40	1.97	1.93	-1.86	0.00				
MINIMUM	-0.11	0.27	-0.06	0.17	0.56	-0.17	-0.33	0.56	-0.12	0.00				
RANGE(MAX-MIN)	2.910	-4.590	-0.710	1.160	-2.730	-1.230	2.300	1.370	-1.740	0.000				
MEAN	1.063	-0.646	-0.141	0.265	-0.633	-0.101	0.791	0.987	0.067	0.000				
STANDARD DEVIATION	0.944	1.835	0.422	0.663	1.084	0.950	0.759	0.911	1.277	0.100				

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Clare, Jamie

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.99	-2.72	-1.40	-0.49	-0.10	1.26	-1.11	0.47	0.57	0.00			
B2-KEYSTONE	0.19	-1.65	-1.38	-0.50	1.02	2.26	-0.02	0.28	-0.58	0.00			
B3-KEYSTONE	0.27	-1.90	-0.98	0.48	-1.40	-0.40	-1.09	0.96	0.92	0.00			
B4-C13-STYLE	0.92	-0.51	0.01		0.57	0.86	-3.20	1.65	-0.87	0.91	-0.49	0.61	
B5-C13-STYLE													
B6-C13-STYLE	-1.29	-1.37	-1.03		0.96	-0.06	-2.36	-1.02	-0.54	0.82	-1.01	0.09	
B7-DV4 PISTON													
C1-KEYSTONE	0.07	-0.97	0.97	-0.53	-0.44	1.99	-3.03	0.78	-0.50	0.00			
C2-KEYSTONE	-0.54	-0.51	-2.15	0.14	-0.40	0.74	0.00	0.13	1.34	0.00			
C3-KEYSTONE	-0.41	-0.94	-1.18	-0.21	-2.78	2.86	-0.55	0.47	-1.29	0.00			
C4-C13-STYLE													
C5-C13-STYLE	1.22	-1.69	-1.76		-2.72	-0.32	-0.58	-0.32	7.07	0.00	-1.91	-0.42	
C6-C13-STYLE	1.91	-1.32	-0.26		-0.01	1.79	-0.77	0.61	0.00	0.62	-1.03	-0.66	
C7-DV4 PISTON													
MAXIMUM	1.99	-2.72	-2.15	-0.53	-2.78	2.86	-3.20	1.65	7.07	0.91	-1.91	-0.66	
MINIMUM	0.07	-0.51	0.01	0.14	-0.01	-0.06	0.00	0.13	0.00	0.00	-0.49	0.09	
RANGE(MAX-MIN)	1.920	-2.210	-2.160	-0.670	-2.770	2.920	-3.200	1.520	7.070	0.910	-1.420	-0.750	
MEAN	0.433	-1.358	-0.916	-0.185	-0.530	1.098	-1.271	0.401	-0.106	0.235	-1.110	-0.095	
STANDARD DEVIATION	1.070	0.676	0.920	0.415	1.371	1.132	1.178	0.722	0.878	0.385	0.589	0.565	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= De Armas, Raymond

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE	1.41	0.94	1.41		3.35	-1.50	-1.56	-3.09	113.16	0.72	-0.49	2.18	
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	1.81	1.87	16.46			0.60	3.05						
C1-KEYSTONE	-1.01	-9.03	-1.94	-0.62	0.44	-1.20	-0.07	-1.75	-1.71	0.00			
C2-KEYSTONE	2.06	1.99	5.14	9.38	-1.56	3.67	6.09	-0.67	-4.01	0.00			
C3-KEYSTONE	4.20	-0.52	5.78	0.55	-1.14	8.99	2.49	-3.91	5.25	0.00			
C4-C13-STYLE	2.45	0.88	-0.66		-1.16	0.27	1.34	-6.89	-0.51	-0.82	-0.55	0.14	
C5-C13-STYLE	4.08	-0.94	2.75		1.04	5.31	1.73	-9.56	82.02	0.00	0.90	2.67	
C6-C13-STYLE	1.79	-0.57	-1.52		-0.23	9.55	-0.77	-1.50	0.00	0.62	-1.03	-0.24	
C7-DV4 PISTON	2.30	-2.08	0.29			0.67	11.43						
MAXIMUM	4.20	-9.03	16.46	9.38	3.35	9.55	11.43	-9.56	113.16	-0.82	-1.03	2.67	
MINIMUM	-1.01	-0.52	0.29	0.55	-0.23	0.27	-0.07	-0.67	0.00	0.00	-0.49	0.14	
RANGE(MAX-MIN)	5.210	-8.510	16.170	8.830	3.580	9.280	11.500	-8.890	113.160	-0.820	-0.540	2.530	
MEAN	2.121	-0.829	3.079	3.103	0.106	2.929	2.637	-3.910	27.743	0.074	-0.293	1.188	
STANDARD DEVIATION	1.534	3.359	5.718	5.467	1.710	4.199	4.008	3.226	48.634	0.506	0.831	1.451	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= DeCapite, Vanessa

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-1.95	-1.46	0.48	-0.97	-1.95	-0.43	-0.20	-1.36	-1.69	0.00			
A2-KEYSTONE	0.22	1.24	-0.60	-1.07	-1.15	1.39	-1.19	-1.86	-2.03	0.00			
A3-KEYSTONE	0.17	-1.13	-1.03	-1.51	-1.42	-0.64	-0.55	-0.92	-0.85	0.00			
A4-C13-STYLE	-1.30	0.27	-0.78		-2.10	1.12	-1.05	-0.45	-0.44	-0.18	1.45	0.39	
A5-C13-STYLE	-1.65	1.38	0.59		-0.44	1.85	-0.14	-0.65	0.58	-0.06	0.00	1.63	
A6-C13-STYLE	-1.54	-0.33	0.29		-0.52	-0.03	1.02	-0.88	0.00	-0.17	-0.82	0.20	
A7-DV4 PISTON	-0.56	-0.42	-0.92			-0.39	-1.49						
B1-KEYSTONE	-0.88	0.29	-0.41	-0.11	-0.39	-0.55	-1.32	-0.49	-1.22	0.00			
B2-KEYSTONE	-1.03	0.63	-1.28	-1.21	-0.98	0.64	-0.51	-1.01	-1.50	0.00			
B3-KEYSTONE	-1.47	-0.80	-1.46	-0.87	-1.68	0.96	-1.61	-0.69	-1.39	0.00			
B4-C13-STYLE	-2.00	0.88	-0.41		0.84	1.17	0.69	-1.39	-0.87	1.48	-0.49	0.55	
B5-C13-STYLE	-1.84	0.59	0.60		-0.44	1.09	0.40	-1.81	0.21	0.78	0.04	-0.33	
B6-C13-STYLE	-0.45	-0.23	0.15		1.24	0.60	0.84	-0.46	-0.54	1.30	0.75	-1.09	
B7-DV4 PISTON	-0.21	1.00	-1.26			-0.06	-0.98						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-2.00	-1.46	-1.46	-1.51	-2.10	1.85	-1.61	-1.86	-2.03	1.48	1.45	1.63	
MINIMUM	0.17	-0.23	0.15	-0.11	-0.39	-0.03	-0.14	-0.45	0.00	0.00	0.00	0.20	
RANGE(MAX-MIN)	-2.170	-1.230	-1.610	-1.400	-1.710	1.880	-1.470	-1.410	-2.030	1.480	1.450	1.430	
MEAN	-1.035	0.136	-0.431	-0.957	-0.749	0.480	-0.435	-0.998	-0.812	0.263	0.155	0.225	
STANDARD DEVIATION	0.765	0.888	0.734	0.471	1.029	0.817	0.894	0.502	0.803	0.582	0.829	0.910	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Dominguez, Lucio

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.00	-1.43	-1.04	0.07	1.13	0.47	-0.52	-0.67	-1.53	0.00			
A2-KEYSTONE	-0.22	1.30	-0.29	-0.34	0.15	-0.17	0.03	0.55	-0.33	0.00			
A3-KEYSTONE	-0.39	-1.01	0.47	-0.15	1.16	0.57	0.65	-1.22	-2.41	0.00			
A4-C13-STYLE	-0.69	-0.39	-0.78		1.36	0.74	0.46	-1.73	1.00	-0.18	-0.59	-1.71	
A5-C13-STYLE	0.30	-0.41	-1.02		0.85	-0.44	-0.03	0.00	0.58	-0.06	0.00	-0.67	
A6-C13-STYLE	-0.01	-0.30	0.41		0.43	2.11	0.29	-2.06	0.00	-0.48	0.65	-1.33	
A7-DV4 PISTON	-0.82	0.18	-0.49			-0.69	-0.32						
B1-KEYSTONE													
B2-KEYSTONE	-0.42	0.59	-0.05	0.03	-0.27	-0.02	1.23	-0.46	-1.19	0.00			
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE	-2.52	-0.38	1.34		-0.45	-0.56	0.44	-6.39	-0.54	-0.43	-1.01	-1.24	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-2.52	-1.43	1.34	-0.34	1.36	2.11	1.23	-6.39	-2.41	-0.48	-1.01	-1.71	
MINIMUM	0.00	0.18	-0.05	0.03	0.15	-0.02	0.03	0.00	0.00	0.00	0.00	-0.67	
RANGE(MAX-MIN)	-2.520	-1.610	1.390	-0.370	1.210	2.130	1.200	-6.390	-2.410	-0.480	-1.010	-1.040	
MEAN	-0.530	-0.206	-0.161	-0.098	0.545	0.223	0.248	-1.498	-0.553	-0.144	-0.238	-1.238	
STANDARD DEVIATION	0.824	0.815	0.791	0.188	0.687	0.874	0.530	2.157	1.125	0.202	0.722	0.430	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Foecking, Brian

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.84	0.57	1.10	1.32	0.26	-0.58	0.58	0.98	0.89	0.00			
A2-KEYSTONE	-1.10	-2.01	-0.19	0.15	1.14	-0.27	0.60	-0.09	0.98	0.00			
A3-KEYSTONE	0.03	0.92	0.22	-0.07	0.50	-0.48	-0.94	0.13	0.81	0.00			
A4-C13-STYLE	0.52	1.05	-0.78		0.23	0.38	0.50	1.03	-0.08	-0.18	-0.66	0.78	
A5-C13-STYLE	0.69	1.95	1.11		7.55	1.55	0.01	1.29	-0.58	2.45	0.00	1.47	
A6-C13-STYLE	1.17	0.12	0.48		1.14	-0.17	0.00	0.54	0.00	0.14	0.12	-0.51	
A7-DV4 PISTON	-1.42	0.22	-0.85			-0.13	-1.28						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.72	-1.41	-0.59	1.37	-0.06	-0.84	1.20	-0.36	0.20	0.00			
C2-KEYSTONE	0.00	-0.58	0.34	-0.28	-0.49	-0.77	0.28	0.61	0.27	0.00			
C3-KEYSTONE	0.16	0.66	0.18	-0.62	-1.12	0.20	-0.94	-0.99	0.02	0.00			
C4-C13-STYLE	-0.65	-1.13	-0.66		0.73	1.12	0.67	0.74	-0.83	0.94	-0.55	-1.00	
C5-C13-STYLE	0.12	-0.23	0.69		-0.04	0.70	1.73	0.08	-1.41	0.00	0.90	-1.53	
C6-C13-STYLE	-0.18	-0.27	0.89		0.67	0.40	1.55	0.24	0.00	1.08	1.50	-1.00	
C7-DV4 PISTON	-0.45	0.71	-0.08			0.91	0.44						
MAXIMUM	-1.42	-2.01	1.11	1.37	7.55	1.55	1.73	1.29	-1.41	2.45	1.50	-1.53	
MINIMUM	0.00	0.12	-0.08	-0.07	-0.04	-0.13	0.00	0.08	0.00	0.00	0.00	-0.51	
RANGE(MAX-MIN)	-1.420	-2.130	1.190	1.440	7.590	1.680	1.730	1.210	-1.410	2.450	1.500	-1.020	
MEAN	-0.071	0.041	0.133	0.312	0.269	0.144	0.314	0.350	0.023	0.369	0.218	-0.298	
STANDARD DEVIATION	0.744	1.068	0.682	0.840	0.682	0.734	0.900	0.648	0.709	0.767	0.840	1.169	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Gao, Siyuan

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	2.23	-1.03	1.59	6.48	2.55	18.77	1.32	8.52	2.58	0.00			
A2-KEYSTONE	5.93	43.66	1.13	1.04	-0.51	77.33	2.36	11.15	13.79	0.00			
A3-KEYSTONE	-2.99	0.74	1.13	4.22	1.05	6.55	1.42	6.16	1.26	0.00			
A4-C13-STYLE	1.10	-0.30	1.84		3.70	3.53	4.27	5.55	9.65	3.14	2.44	4.99	
A5-C13-STYLE													
A6-C13-STYLE	1.19	0.38	-0.27		3.27	2.27	3.30	3.13	90.00	0.92	2.36	4.66	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE	7.66	-1.06	5.19	8.03	0.49	41.31	1.40	15.10	5.25	0.00			
C4-C13-STYLE	-4.92	-5.37	-0.66		-3.04	-0.36	3.44	0.28	4.92	-1.70	-0.55	11.06	
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	7.66	43.66	5.19	8.03	3.70	77.33	4.27	15.10	90.00	3.14	2.44	11.06	
MINIMUM	1.10	-0.30	-0.27	1.04	0.49	-0.36	1.32	0.28	1.26	0.00	-0.55	4.66	
RANGE(MAX-MIN)	6.560	43.960	5.460	6.990	3.210	77.690	2.950	14.820	88.740	3.140	2.990	6.400	
MEAN	1.457	-1.107	1.421	4.943	1.073	21.343	2.501	7.127	6.242	0.337	1.417	6.903	
STANDARD DEVIATION	4.467	2.212	1.905	3.036	2.369	28.609	1.186	4.966	4.681	1.461	1.704	3.604	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Greenland, Paul

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.16	-2.04	-1.14	-1.21	-1.44	3.80	-0.49	0.09	0.06	0.00			
B2-KEYSTONE	0.80	0.04	-0.94	-0.73	-0.84	2.19	0.13	0.64	-0.73	0.00			
B3-KEYSTONE	1.59	-1.26	-0.71	-0.15	-0.91	0.03	-0.93	2.06	0.29	0.00			
B4-C13-STYLE	1.63	-0.31	0.57		3.13	1.90	-3.00	1.46	0.58	2.06	-0.49	0.80	
B5-C13-STYLE	0.99	-3.29	-1.12		0.33	-0.46	0.22	1.48	4.55	0.26	0.04	-0.44	
B6-C13-STYLE	-0.84	-1.12	-1.03		1.54	0.81	-4.22	0.46	1.85	1.30	-1.01	0.09	
B7-DV4 PISTON													
C1-KEYSTONE	0.29	-0.02	0.27	-0.53	-0.31	2.38	-1.16	0.91	-0.20	0.00			
C2-KEYSTONE	0.49	-2.29	-2.40	-0.11	-0.05	1.49	-2.73	0.13	0.80	0.00			
C3-KEYSTONE	0.45	-0.81	-1.21	-0.83	-2.78	1.87	-0.77	1.21	-1.42	0.00			
C4-C13-STYLE													
C5-C13-STYLE	0.85	-0.26	0.61		-0.84	0.32	1.73	0.48	0.00	0.00	0.90	-0.54	
C6-C13-STYLE	0.64	-2.96	-0.26		0.56	3.62	-0.77	-1.50	10.00	1.08	-1.03	-0.74	
C7-DV4 PISTON													
MAXIMUM	1.63	-3.29	-2.40	-1.21	3.13	3.80	-4.22	2.06	10.00	2.06	-1.03	0.80	
MINIMUM	-0.16	-0.02	-0.26	-0.11	-0.05	0.03	0.13	0.09	0.00	0.00	0.04	0.09	
RANGE(MAX-MIN)	1.790	-3.270	-2.140	-1.100	3.180	3.770	-4.350	1.970	10.000	2.060	-1.070	0.710	
MEAN	0.612	-1.302	-0.669	-0.593	-0.146	1.632	-1.090	0.675	1.435	0.427	-0.318	-0.166	
STANDARD DEVIATION	0.713	1.184	0.902	0.422	1.565	1.379	1.670	0.948	3.243	0.718	0.810	0.621	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hayden, Matthew

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.02	0.30	-0.07	0.01	0.59	-0.14	1.15	0.56	0.48	0.00			
A2-KEYSTONE													
A3-KEYSTONE	1.02	0.43	-0.23	-0.69	-0.36	-0.28	1.86	0.28	-1.21	0.00			
A4-C13-STYLE	0.86	1.19	-0.08		-1.81	0.29	-1.07	0.93	1.36	-0.18	-0.45	1.45	
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	-0.05	-0.45	0.15			0.82	0.56						
B1-KEYSTONE	1.99	0.18	-0.48	-0.89	0.64	0.90	0.41	0.09	-0.20	0.00			
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE	0.82	-1.35	-1.12		0.70	0.83	2.16	0.63	-1.24	0.26	0.04	-0.11	
B6-C13-STYLE													
B7-DV4 PISTON	-0.50	0.09	0.31			1.80	0.05						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON	0.17	-0.63	-0.15			-1.27	0.55						
MAXIMUM	1.99	-1.35	-1.12	-0.89	-1.81	1.80	2.16	0.93	1.36	0.26	-0.45	1.45	
MINIMUM	-0.05	0.09	-0.07	0.01	-0.36	-0.14	0.05	0.09	-0.20	0.00	0.04	-0.11	
RANGE(MAX-MIN)	2.040	-1.440	-1.050	-0.900	-1.450	1.940	2.110	0.840	1.560	0.260	-0.490	1.560	
MEAN	0.666	-0.030	-0.209	-0.523	-0.048	0.369	0.709	0.498	-0.162	0.016	-0.450	-0.110	
STANDARD DEVIATION	0.773	0.770	0.438	0.473	1.077	0.935	1.025	0.325	1.117	0.157	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hill, Howard P.

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.54	0.27	2.50	-0.91	-0.97	2.17	0.76	1.39	1.05	0.00			
A2-KEYSTONE	2.85	-2.27	-0.31	-0.69	-0.04	4.63	-1.59	0.55	2.49	0.00			
A3-KEYSTONE	0.18	-0.54	0.30	-0.40	0.28	-1.06	0.39	0.59	0.81	0.00			
A4-C13-STYLE	0.26	-2.24	0.79		-1.96	-0.50	0.10	0.83	-0.44	-1.85	-0.59	1.74	
A5-C13-STYLE	2.26	-0.55	1.40		-0.64	-0.85	1.50	1.57	-0.58	0.19	0.00	-0.08	
A6-C13-STYLE	1.55	0.98	0.70		1.13	-0.60	-0.45	1.95	0.00	0.14	-0.61	0.78	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.85	-2.27	2.50	-0.91	-1.96	4.63	-1.59	1.95	2.49	-1.85	-0.61	1.74	
MINIMUM	0.18	0.27	0.30	-0.40	-0.04	-0.50	0.10	0.55	0.00	0.00	0.00	-0.08	
RANGE(MAX-MIN)	2.670	-2.540	2.200	-0.510	-1.920	5.130	-1.690	1.400	2.490	-1.850	-0.610	1.820	
MEAN	1.440	-0.725	0.897	-0.667	-0.367	0.632	0.118	1.147	0.555	-0.253	-0.400	0.813	
STANDARD DEVIATION	1.064	1.315	0.968	0.256	1.072	2.289	1.062	0.574	1.152	0.787	0.347	0.910	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hills, Barry

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.99	-1.95	-1.60	-0.09	1.83	2.46	0.54	1.05	0.57	0.00			
B2-KEYSTONE	-0.73	1.43	-1.03	-0.67	-1.30	0.90	0.76	0.64	-0.27	0.00			
B3-KEYSTONE	-0.75	-0.06	-0.98	-0.44	-1.07	-0.55	-0.59	1.23	1.75	0.00			
B4-C13-STYLE	0.24	-0.02	0.01		1.50	1.12	-2.45	-0.06	2.02	1.29	-0.49	0.55	
B5-C13-STYLE	0.12	-0.80	0.78		0.90	1.34	0.14	-0.66	-1.24	0.26	0.04	1.32	
B6-C13-STYLE	-0.90	-0.27	-0.74		1.07	-0.84	0.50	0.65	-0.54	0.82	1.93	-0.06	
B7-DV4 PISTON	-1.83	-1.23	-0.49			1.96	-0.68						
C1-KEYSTONE	-0.72	0.04	-1.49	-0.48	0.34	-0.82	1.12	0.66	-0.10	0.00			
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE	-0.76	0.11	-0.05		-0.07	1.21	-0.10	-0.65	0.77	-0.24	0.36	1.50	
C5-C13-STYLE													
C6-C13-STYLE	0.20	-1.34	-0.10		-0.05	1.04	1.84	-0.63	0.00	0.15	-1.03	0.94	
C7-DV4 PISTON	-0.82	0.06	-0.22			0.56	-0.88						
MAXIMUM	1.99	-1.95	-1.60	-0.67	1.83	2.46	-2.45	1.23	2.02	1.29	1.93	1.50	
MINIMUM	0.12	-0.02	0.01	-0.09	-0.05	-0.55	-0.10	-0.06	0.00	0.00	0.04	-0.06	
RANGE(MAX-MIN)	1.870	-1.930	-1.610	-0.580	1.880	3.010	-2.350	1.290	2.020	1.290	1.890	1.560	
MEAN	-0.360	-0.366	-0.537	-0.420	0.350	0.762	0.018	0.248	0.329	0.253	0.162	0.850	
STANDARD DEVIATION	0.983	0.917	0.713	0.242	1.085	1.091	1.156	0.757	1.061	0.488	1.121	0.626	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hodgson, Joshua

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.33	-1.22	-0.13	-1.82	-0.18	-1.30	0.59	0.29	2.10	0.00			
A2-KEYSTONE													
A3-KEYSTONE	0.17	-0.47	-0.71	-1.18	-1.56	-0.89	-0.70	-0.47	0.99	0.00			
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	0.21	-1.44	1.76			-0.78	0.43						
B1-KEYSTONE	1.39	2.00	-1.67	-1.29	-1.55	0.14	-0.86	-0.68	0.57	0.00			
B2-KEYSTONE													
B3-KEYSTONE	1.68	-0.34	0.48	-0.82	-0.74	1.15	-0.07	3.98	0.08	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	-0.21	-1.75	1.59			-1.11	0.46						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.68	2.00	1.76	-1.82	-1.56	-1.30	-0.86	3.98	2.10	0.00			
MINIMUM	0.17	-0.34	-0.13	-0.82	-0.18	0.14	-0.07	0.29	0.08	0.00			
RANGE(MAX-MIN)	1.510	2.340	1.890	-1.000	-1.380	-1.440	-0.790	3.690	2.020	0.000			
MEAN	0.762	-0.537	0.220	-1.278	-1.008	-0.465	-0.025	0.780	0.935	0.000			
STANDARD DEVIATION	0.795	1.359	1.332	0.414	0.672	0.935	0.629	2.174	0.861	0.100			

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Jones, Christopher

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE	1.10	0.01	1.16		1.09	-1.06	-1.06	1.29	-0.58	0.19	0.00	1.47	
A6-C13-STYLE	0.12	0.64	0.45		1.49	0.83	0.51	0.54	0.00	0.14	-0.29	-0.51	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.65	-0.46	1.78	1.37	0.34	-0.55	1.50	0.15	0.10	0.00			
C2-KEYSTONE	0.22	-1.86	0.41	3.14	-1.14	0.01	1.26	1.09	-1.34	0.00			
C3-KEYSTONE													
C4-C13-STYLE	0.26	1.13	-0.66		0.66	1.38	1.63	0.74	0.13	0.79	-0.55	2.64	
C5-C13-STYLE	0.93	0.70	-0.51		0.69	0.58	1.26	-1.93	1.41	0.00	-2.22	1.44	
C6-C13-STYLE	-0.12	0.18	0.21		1.82	0.18	6.19	-0.01	0.00	1.08	0.40	-0.83	
C7-DV4 PISTON													
MAXIMUM	1.10	-1.86	1.78	3.14	1.82	1.38	6.19	-1.93	1.41	1.08	-2.22	2.64	
MINIMUM	0.12	0.01	0.21	1.37	0.34	0.01	0.51	-0.01	0.00	0.00	0.00	-0.51	
RANGE(MAX-MIN)	0.980	-1.870	1.570	1.770	1.480	1.370	5.680	-1.920	1.410	1.080	-2.220	3.150	
MEAN	0.266	0.049	0.406	1.370	0.707	0.196	1.613	0.267	-0.040	0.314	-0.532	0.842	
STANDARD DEVIATION	0.598	0.989	0.863	0.000	0.962	0.829	2.220	1.075	0.830	0.439	1.007	1.467	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	1.27	-1.00	-0.30	-0.27	1.06	0.35	-0.23	-0.11	0.06	0.00			
B2-KEYSTONE	0.49	1.73	-0.10	-0.23	1.80	1.28	0.56	-0.09	0.80	0.00			
B3-KEYSTONE	0.98	-0.47	-0.27	-0.73	1.53	-1.16	-0.44	0.69	-0.13	0.00			
B4-C13-STYLE	1.00	-1.17	-2.07		-1.44	-0.99	-0.56	0.89	-0.87	-0.81	-0.65	-1.27	
B5-C13-STYLE	0.69	-0.37	-1.15		0.51	0.31	0.16	0.84	0.21	-0.26	-1.76	0.22	
B6-C13-STYLE	0.69	0.81	-0.91		0.82	0.84	-0.38	0.46	-0.54	0.98	-0.99	-0.06	
B7-DV4 PISTON	-0.21	-0.03	-0.70			0.37	-0.49						
C1-KEYSTONE	1.01	0.04	-0.54	-1.01	1.09	-0.72	-0.56	0.91	0.91	0.00			
C2-KEYSTONE	0.18	-1.26	0.41	-1.19	1.04	0.11	0.63	-0.19	0.80	0.00			
C3-KEYSTONE	1.32	-0.41	-0.33	-0.97	1.05	-0.23	-0.22	0.47	-0.11	0.00			
C4-C13-STYLE	0.52	-1.04	-0.66		-0.81	-0.34	0.34	0.05	-0.19	-0.68	-0.81	0.82	
C5-C13-STYLE	-0.98	-0.60	-1.36		-0.58	0.33	-0.58	-1.53	0.00	0.00	-1.28	1.06	
C6-C13-STYLE	0.21	-1.25	-0.87		0.16	1.00	-0.54	-0.01	0.00	-0.31	-0.35	0.60	
C7-DV4 PISTON	-0.51	0.47	-0.24			-0.30	-1.00						
MAXIMUM	1.32	1.73	-2.07	-1.19	1.80	1.28	-1.00	-1.53	0.91	0.98	-1.76	-1.27	
MINIMUM	0.18	-0.03	-0.10	-0.23	0.16	0.11	0.16	-0.01	0.00	0.00	-0.35	-0.06	
RANGE(MAX-MIN)	1.140	1.760	-1.970	-0.960	1.640	1.170	-1.160	-1.520	0.910	0.980	-1.410	-1.210	
MEAN	0.476	-0.325	-0.649	-0.733	0.519	0.061	-0.236	0.198	0.078	-0.090	-0.973	0.228	
STANDARD DEVIATION	0.678	0.872	0.612	0.402	0.994	0.727	0.481	0.685	0.539	0.442	0.497	0.838	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Langford, Mike

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.56	1.19	-0.68	-1.15	-1.51	0.62	-0.12	1.05	1.33	0.00			
B2-KEYSTONE													
B3-KEYSTONE	-0.67	0.11	-1.10	-0.87	-0.36	1.17	-1.06	0.41	-0.13	0.00			
B4-C13-STYLE	1.09	-0.05	0.01		0.92	1.46	-1.51	0.89	0.58	1.29	-0.49	0.11	
B5-C13-STYLE	-0.61	-0.42	-0.25		1.74	0.04	-1.16	-0.88	1.66	2.33	0.04	-1.43	
B6-C13-STYLE	-0.71	0.15	0.15		1.43	1.06	-0.18	-0.46	1.85	1.14	-0.74	-0.50	
B7-DV4 PISTON													
C1-KEYSTONE	-1.01	1.49	2.28	-0.77	-0.13	-0.08	3.59	-1.25	-1.01	0.00			
C2-KEYSTONE	0.94	-1.53	-2.03	0.64	0.35	-0.17	0.63	0.13	0.80	0.00			
C3-KEYSTONE	0.31	-0.37	-0.07	0.14	0.37	-0.62	-0.36	0.47	-1.29	0.00			
C4-C13-STYLE													
C5-C13-STYLE	1.73	-1.00	-1.76		-2.21	-1.32	-0.58	-0.32	0.00	0.00	-1.75	-0.42	
C6-C13-STYLE	0.30	-0.89	-0.42		0.47	3.01	-0.77	-0.63	0.00	1.08	-1.03	-0.66	
C7-DV4 PISTON													
MAXIMUM	1.73	-1.53	2.28	-1.15	-2.21	3.01	3.59	-1.25	1.85	2.33	-1.75	-1.43	
MINIMUM	0.30	-0.05	0.01	0.14	-0.13	0.04	-0.12	0.13	0.00	0.00	0.04	0.11	
RANGE(MAX-MIN)	1.430	-1.480	2.270	-1.290	-2.080	2.970	3.710	-1.380	1.850	2.330	-1.790	-1.540	
MEAN	0.193	-0.132	-0.387	-0.402	0.107	0.517	-0.152	-0.059	0.379	0.584	-0.794	-0.580	
STANDARD DEVIATION	0.915	0.940	1.195	0.757	1.229	1.227	1.449	0.768	1.064	0.827	0.663	0.556	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lonsway, Chris

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.28	0.78	-0.36	-0.78	-0.54	-0.81	0.81	-0.12	0.97	0.00			
A2-KEYSTONE	0.44	0.04	-0.54	-0.49	-1.02	0.39	-1.02	0.23	0.61	0.00			
A3-KEYSTONE	0.31	-0.24	-0.49	-0.98	-1.07	-1.08	-0.32	0.13	0.90	0.00			
A4-C13-STYLE	-0.95	-0.86	0.18		0.11	-0.27	0.04	1.32	0.64	-0.18	-0.59	-0.66	
A5-C13-STYLE	-1.03	-0.48	-0.50		-1.07	-1.03	-1.08	-0.92	-0.58	-0.06	0.00	-0.78	
A6-C13-STYLE	-1.18	-0.84	0.24		0.92	0.72	-1.08	-0.17	0.00	-0.17	1.83	-0.86	
A7-DV4 PISTON	-0.31	-1.66	-0.56			-1.48	-0.80						
B1-KEYSTONE	-0.88	-0.05	-1.38	-1.39	-1.60	-1.61	-0.59	0.66	0.31	0.00			
B2-KEYSTONE	-1.03	-0.94	-0.42	-0.71	-0.78	-1.44	-0.95	0.09	-0.43	0.00			
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.18	-1.66	-1.38	-1.39	-1.60	-1.61	-1.08	1.32	0.97	-0.18	1.83	-0.86	
MINIMUM	-0.28	0.04	0.18	-0.49	0.11	-0.27	0.04	0.09	0.00	0.00	0.00	-0.66	
RANGE(MAX-MIN)	-0.900	-1.700	-1.560	-0.900	-1.710	-1.340	-1.120	1.230	0.970	-0.180	1.830	-0.200	
MEAN	-0.546	-0.472	-0.426	-0.870	-0.631	-0.734	-0.554	0.153	0.303	-0.051	0.413	-0.767	
STANDARD DEVIATION	0.610	0.705	0.470	0.339	0.798	0.839	0.638	0.650	0.588	0.100	1.262	0.101	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lopez, Frank

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.09	-1.19	1.07	0.73	2.47	-0.44	0.34	-0.26	-0.32	0.00			
A2-KEYSTONE	-0.22	2.43	0.00	-0.03	0.12	3.13	0.25	0.39	0.61	0.00			
A3-KEYSTONE	-1.66	-0.05	0.22	1.29	-0.24	1.10	0.59	-0.62	-0.20	0.00			
A4-C13-STYLE	-0.52	0.82	0.09		0.15	0.61	-0.35	-0.45	0.28	-0.18	0.26	-0.56	
A5-C13-STYLE	0.46	-0.23	-0.74		1.70	-0.15	-0.06	0.28	-0.58	0.70	0.00	-0.51	
A6-C13-STYLE	-0.06	-0.41	-0.65		-0.16	-0.80	-0.49	-0.41	0.00	-0.17	-0.82	0.08	
A7-DV4 PISTON													
B1-KEYSTONE	-2.31	-0.19	0.36	-0.67	0.48	1.68	0.63	0.28	-0.71	0.00			
B2-KEYSTONE	-0.73	-0.90	-0.04	-0.02	0.55	-0.13	-0.27	0.28	-0.58	0.00			
B3-KEYSTONE	-1.18	-0.37	0.68	0.28	0.45	0.10	0.06	-0.14	0.08	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-2.31	2.43	1.07	1.29	2.47	3.13	0.63	-0.62	-0.71	0.70	-0.82	-0.56	
MINIMUM	-0.06	-0.05	0.00	-0.02	0.12	0.10	-0.06	-0.14	0.00	0.00	0.00	0.08	
RANGE(MAX-MIN)	-2.250	2.480	1.070	1.310	2.350	3.030	0.690	-0.480	-0.710	0.700	-0.820	-0.640	
MEAN	-0.701	-0.010	0.110	0.263	0.613	0.567	0.078	-0.072	-0.158	-0.044	-0.187	-0.330	
STANDARD DEVIATION	0.876	1.072	0.576	0.680	0.899	1.235	0.405	0.384	0.440	0.100	0.564	0.356	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Dongsheng

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE	-0.44	1.37	0.05	0.38	-1.15	0.50	0.98	1.03	0.61	0.00			
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE	-0.76	-0.75	-0.61		0.15	-0.67	-0.11	0.65	-0.58	-1.06	0.00	0.72	
A6-C13-STYLE													
A7-DV4 PISTON	0.99	0.85	2.65			0.30	5.35						
B1-KEYSTONE													
B2-KEYSTONE	-0.27	5.43	0.16	1.01	-1.11	-0.96	-0.49	1.75	0.80	0.00			
B3-KEYSTONE													
B4-C13-STYLE	-0.65	0.58	-0.54		-1.11	-0.53	-3.73	1.55	0.58	-1.39	-0.49	0.55	
B5-C13-STYLE	-0.17	-0.23	-1.12		-1.65	-0.70	-1.36	0.41	0.21	-1.82	0.04	0.88	
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	0.99	5.43	2.65	1.01	-1.65	-0.96	5.35	1.75	0.80	-1.82	-0.49	0.88	
MINIMUM	-0.17	-0.23	0.05	0.38	0.15	0.30	-0.11	0.41	0.21	0.00	0.00	0.55	
RANGE(MAX-MIN)	1.160	5.660	2.600	0.630	-1.800	-1.260	5.460	1.340	0.590	-1.820	-0.490	0.330	
MEAN	-0.217	1.208	0.098	0.380	-0.974	-0.343	0.107	1.078	0.324	-0.854	-0.150	0.717	
STANDARD DEVIATION	0.631	2.203	1.335	0.000	0.669	0.596	3.018	0.571	0.549	0.825	0.295	0.165	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Wentong

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.88	-1.20	0.40	-0.03	-0.03	1.79	-0.59	-0.49	-1.22	0.00			
B2-KEYSTONE	-0.58	0.91	-1.42	0.11	-0.68	1.53	-0.21	-1.01	-1.35	0.00			
B3-KEYSTONE	0.26	0.65	-0.23	-0.01	0.16	1.03	-0.26	-0.14	-0.76	0.00			
B4-C13-STYLE	0.34	-0.56	-1.81		0.68	2.02	-3.48	1.36	0.58	0.91	-0.49	0.30	
B5-C13-STYLE	-0.18	-0.79	-1.12		-2.92	-0.33	-2.48	0.48	-1.24	0.26	0.04	-0.55	
B6-C13-STYLE	0.96	-0.83	-1.03		1.19	0.36	-1.18	-1.02	-0.54	1.14	-1.01	0.69	
B7-DV4 PISTON													
C1-KEYSTONE	-1.01	-0.02	2.03	0.25	-2.98	2.98	0.30	0.91	-1.21	0.00			
C2-KEYSTONE	0.45	1.16	1.03	3.89	-1.24	0.82	1.12	-0.03	-2.41	0.00			
C3-KEYSTONE	1.03	-0.69	-1.10	-0.42	-1.24	-1.44	-0.46	1.94	-1.55	0.00			
C4-C13-STYLE	1.32	-0.77	-0.66		-0.88	0.95	0.36	-1.57	0.13	-0.82	-0.55	1.27	
C5-C13-STYLE	0.63	-0.79	-3.05		0.02	-2.13	-0.58	1.29	-1.41	0.00	-2.22	0.45	
C6-C13-STYLE	0.41	-2.70	-2.32		0.08	1.61	-0.77	-0.26	0.00	0.62	-1.03	-0.24	
C7-DV4 PISTON													
MAXIMUM	1.32	-2.70	-3.05	3.89	-2.98	2.98	-3.48	1.94	-2.41	1.14	-2.22	1.27	
MINIMUM	-0.18	-0.02	-0.23	-0.01	0.02	-0.33	-0.21	-0.03	0.00	0.00	0.04	-0.24	
RANGE(MAX-MIN)	1.500	-2.680	-2.820	3.900	-3.000	3.310	-3.270	1.970	-2.410	1.140	-2.260	1.510	
MEAN	0.229	-0.469	-0.773	-0.020	-0.653	0.766	-0.686	0.122	-0.915	0.176	-0.877	0.320	
STANDARD DEVIATION	0.751	1.045	1.419	0.250	1.297	1.463	1.246	1.088	0.836	0.512	0.767	0.652	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ma, Xiang

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE	-0.42	-0.44	-1.01	0.51	-0.43	4.19	1.31	-1.93	-1.19	10.00			
B3-KEYSTONE	-0.75	-0.06	1.94	-0.01	-0.36	1.75	1.14	-0.41	-0.97	0.00			
B4-C13-STYLE	0.43	4.23	2.10		0.61	6.23	17.81	3.64	13.57	-0.62	4.63	1.37	
B5-C13-STYLE	-1.59	-2.31	-0.94		-1.25	-1.68	0.10	-0.38	-2.69	-0.78	0.04	-1.87	
B6-C13-STYLE	-1.37	-0.39	1.01		0.03	2.84	11.19	-2.50	-0.54	0.04	-0.34	-1.39	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE	0.18	0.04	2.40	3.80	-1.50	1.10	8.75	0.13	-1.34	0.00			
C3-KEYSTONE	-2.83	-2.20	1.88	0.42	1.60	-7.29	1.35	-2.94	-2.34	0.00			
C4-C13-STYLE	-5.61	0.04	2.42		-0.56	0.07	6.41	-0.18	-0.19	-0.53	0.93	-1.46	
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-5.61	4.23	2.42	3.80	1.60	-7.29	17.81	3.64	13.57	10.00	4.63	-1.87	
MINIMUM	0.18	0.04	-0.94	-0.01	0.03	0.07	0.10	0.13	-0.19	0.00	0.04	1.37	
RANGE(MAX-MIN)	-5.790	4.190	3.360	3.810	1.570	-7.360	17.710	3.510	13.760	10.000	4.590	-3.240	
MEAN	-1.495	-0.136	1.225	1.180	-0.233	0.901	6.008	-0.571	-1.323	-0.270	1.315	-0.838	
STANDARD DEVIATION	1.963	2.010	1.426	1.761	0.996	4.109	6.281	2.057	0.908	0.357	2.273	1.487	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= May, Marianne

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.84	0.81	-1.95	-0.97	-0.38	-0.42	-0.08	0.29	1.05	0.00			
A2-KEYSTONE	1.32	0.44	-0.99	-0.71	-0.91	-0.81	-0.02	0.23	-0.90	0.00			
A3-KEYSTONE	0.45	0.93	-0.82	-0.81	-0.47	0.15	-0.71	-0.32	1.08	0.00			
A4-C13-STYLE	0.82	0.32	0.33		0.27	-0.62	-0.39	0.63	-0.44	-0.18	-0.47	0.78	
A5-C13-STYLE	1.04	-0.31	1.42		0.95	-0.17	-0.32	0.74	0.58	-0.06	0.00	-0.56	
A6-C13-STYLE	0.98	1.31	-0.54		0.13	0.06	-0.28	0.54	0.00	-0.48	-0.45	-0.39	
A7-DV4 PISTON	-0.56	0.16	-0.85			-0.61	-0.26						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-1.08	1.62	-1.29	-0.57	-1.56	0.12	-1.23	-1.25	-1.01	0.00			
C2-KEYSTONE	0.45	0.84	-1.59	-1.03	-0.91	-0.64	-1.47	0.45	-1.34	0.00			
C3-KEYSTONE	0.16	0.80	-1.14	-0.83	-1.44	-1.47	-0.59	-0.01	-0.11	0.00			
C4-C13-STYLE	-0.38	0.54	0.38		-0.66	-0.18	-0.34	-1.57	-0.51	-0.82	1.72	-0.32	
C5-C13-STYLE	0.34	0.74	-0.48		0.84	-0.48	-0.58	0.88	0.00	0.00	-0.80	-0.05	
C6-C13-STYLE	0.25	0.09	-1.52		-0.42	-0.18	-0.77	-0.51	0.00	-0.31	-1.03	-0.57	
C7-DV4 PISTON	0.61	0.51	-0.23			0.58	0.64						
MAXIMUM	1.32	1.62	-1.95	-1.03	-1.56	-1.47	-1.47	-1.57	-1.34	-0.82	1.72	0.78	
MINIMUM	0.16	0.09	-0.23	-0.57	0.13	0.06	-0.02	-0.01	0.00	0.00	0.00	-0.05	
RANGE(MAX-MIN)	1.160	1.530	-1.720	-0.460	-1.690	-1.530	-1.450	-1.560	-1.340	-0.820	1.720	0.830	
MEAN	0.374	0.629	-0.662	-0.820	-0.380	-0.334	-0.457	0.008	-0.133	-0.154	-0.172	-0.185	
STANDARD DEVIATION	0.668	0.496	0.907	0.168	0.804	0.504	0.516	0.783	0.768	0.261	0.991	0.510	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Price, Gregory

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.56	0.50	-0.39	-0.03	0.47	0.53	-0.52	-0.49	-0.71	0.00			
B2-KEYSTONE	-0.42	-0.12	-0.72	-0.58	1.01	-0.69	1.14	-0.28	0.19	0.00			
B3-KEYSTONE	0.17	0.41	-0.51	0.04	0.72	-0.63	0.70	0.27	-0.76	0.00			
B4-C13-STYLE	-0.73	0.00	-0.13		-1.07	-1.78	0.89	0.79	0.58	-0.43	2.07	-1.02	
B5-C13-STYLE	-0.53	0.80	0.78		0.81	-0.46	1.98	-0.16	-1.24	1.30	0.04	-0.22	
B6-C13-STYLE	-0.93	1.73	1.04		0.47	-0.81	1.71	1.20	1.85	0.35	0.46	0.24	
B7-DV4 PISTON	0.19	-0.30	0.52			-0.74	0.46						
C1-KEYSTONE	1.37	0.17	1.32	0.54	0.26	-0.45	1.08	1.04	1.41	0.00			
C2-KEYSTONE	0.31	0.66	1.40	0.47	1.47	-1.08	0.00	0.61	-0.27	0.00			
C3-KEYSTONE	0.74	1.57	0.99	-0.21	1.15	-0.97	-0.12	-0.01	2.11	0.00			
C4-C13-STYLE	-0.98	0.66	1.60		-0.66	-1.40	-1.58	-0.18	-0.19	-0.68	-0.24	-0.77	
C5-C13-STYLE	-0.91	-1.18	-0.05		-1.32	-1.50	0.02	0.88	0.00	0.00	0.90	0.69	
C6-C13-STYLE	-1.53	1.36	0.85		-0.02	-0.82	0.97	-0.63	0.00	0.62	0.65	-0.07	
C7-DV4 PISTON	0.08	0.22	-0.06			-0.68	-0.57						
MAXIMUM	-1.53	1.73	1.60	-0.58	1.47	-1.78	1.98	1.20	2.11	1.30	2.07	-1.02	
MINIMUM	0.08	0.00	-0.05	-0.03	-0.02	-0.45	0.00	-0.01	0.00	0.00	0.04	-0.07	
RANGE(MAX-MIN)	-1.610	1.730	1.650	-0.550	1.490	-1.330	1.980	1.210	2.110	1.300	2.030	-0.950	
MEAN	-0.186	0.463	0.474	0.038	0.274	-0.820	0.440	0.253	0.248	0.097	0.647	-0.192	
STANDARD DEVIATION	0.804	0.775	0.771	0.421	0.885	0.553	0.966	0.630	1.054	0.498	0.810	0.632	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ramirez, Ray

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.09	-0.74	0.48	0.47	-0.23	4.89	-0.48	1.80	0.08	0.00			
A2-KEYSTONE	3.51	14.54	-0.44	-0.44	0.64	3.61	0.19	2.80	1.93	0.00			
A3-KEYSTONE	-0.82	-1.16	0.14	0.43	1.32	4.29	0.95	3.15	-1.21	0.00			
A4-C13-STYLE	0.63	0.20	-2.06		10.33	1.71	0.79	1.03	3.89	-0.18	-0.77	-2.58	
A5-C13-STYLE	0.89	-0.05	-1.21		1.62	1.67	0.22	0.92	2.89	0.70	58.80	-1.42	
A6-C13-STYLE	0.47	-0.34	1.67		2.82	-0.01	-0.32	0.54	10.00	0.14	1.40	-1.33	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE	-0.88	2.49	-0.93	0.32	-0.76	1.16	-0.21	2.66	1.42	0.00			
B3-KEYSTONE	2.34	-0.75	0.40	1.34	0.28	0.37	0.70	3.43	2.17	0.00			
B4-C13-STYLE													
B5-C13-STYLE	0.88	-2.75	-1.12		1.75	0.74	0.91	0.55	4.55	1.30	0.04	-1.54	
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	3.51	14.54	-2.06	1.34	10.33	4.89	0.95	3.43	10.00	1.30	58.80	-2.58	
MINIMUM	0.09	-0.05	0.14	0.32	-0.23	-0.01	0.19	0.54	0.08	0.00	0.04	-1.33	
RANGE(MAX-MIN)	3.420	14.590	-2.200	1.020	10.560	4.900	0.760	2.890	9.920	1.300	58.760	-1.250	
MEAN	0.790	-0.388	-0.341	0.424	0.930	2.048	0.306	1.876	2.858	0.218	0.223	-1.718	
STANDARD DEVIATION	1.406	1.472	1.128	0.632	1.170	1.780	0.555	1.156	3.213	0.475	1.097	0.581	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Reese, Kyle

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.19	-0.45	0.45	0.66	-0.76	-0.67	0.85	1.94	0.24	0.00			
A2-KEYSTONE	-1.76	8.32	0.10	0.72	2.71	0.25	0.93	1.84	1.55	0.00			
A3-KEYSTONE	-1.24	-1.12	1.34	0.84	0.05	-0.76	0.72	1.49	-1.21	0.00			
A4-C13-STYLE	0.33	0.03	0.09		-0.33	0.30	0.44	0.63	-0.08	1.48	-0.59	-1.24	
A5-C13-STYLE	0.94	-1.40	-1.21		0.25	-0.87	-2.14	0.37	1.73	0.19	0.00	-1.15	
A6-C13-STYLE	0.29	-0.34	-1.41		-0.70	0.70	-0.60	0.30	0.00	-0.17	-0.82	-0.74	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE	-0.67	-0.61	-1.84	1.05	-0.49	-1.14	-1.75	-0.67	0.27	0.00			
C3-KEYSTONE	-1.71	-0.56	-0.74	1.73	-1.27	1.10	1.07	1.69	0.15	0.00			
C4-C13-STYLE	1.61	1.97	-0.66		-0.32	0.23	0.15	-0.42	2.36	-0.24	-0.24	3.32	
C5-C13-STYLE	-2.45	-1.76	-1.55		-2.94	-0.32	-0.58	0.88	0.00	0.00	-1.75	-1.04	
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-2.45	8.32	-1.84	1.73	-2.94	-1.14	-2.14	1.94	2.36	1.48	-1.75	3.32	
MINIMUM	0.19	0.03	0.09	0.66	0.05	0.23	0.15	0.30	0.00	0.00	0.00	-0.74	
RANGE(MAX-MIN)	-2.640	8.290	-1.930	1.070	-2.990	-1.370	-2.290	1.640	2.360	1.480	-1.750	4.060	
MEAN	-0.447	-0.471	-0.543	1.000	-0.380	-0.118	-0.091	0.805	0.501	-0.024	-0.680	-1.043	
STANDARD DEVIATION	1.322	1.072	1.016	0.434	1.404	0.742	1.141	0.929	1.058	0.121	0.676	0.218	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Edward

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-1.59	-0.40	-0.46	-0.75	-0.11	-0.57	-0.09	-0.49	-0.96	0.00			
B2-KEYSTONE	-0.88	-0.33	-0.14	-0.64	-0.51	1.29	1.52	0.28	-1.19	0.00			
B3-KEYSTONE	-1.15	0.29	0.16	-0.82	0.19	-0.28	-0.13	0.14	-0.55	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE	-1.44	1.03	1.26		-0.48	3.70	0.87	-0.46	-0.54	-0.43	-0.37	-0.80	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE	0.61	3.15	-0.66		-1.02	0.25	1.45	-1.11	1.72	-0.82	-0.36	-0.77	
C5-C13-STYLE													
C6-C13-STYLE	1.44	0.22	0.42		-0.30	2.24	0.10	-1.37	0.00	0.15	-1.03	-0.49	
C7-DV4 PISTON	-0.01	0.55	-0.21			0.62	1.81						
MAXIMUM	-1.59	3.15	1.26	-0.82	-1.02	3.70	1.81	-1.37	1.72	-0.82	-1.03	-0.80	
MINIMUM	-0.01	0.22	-0.14	-0.64	-0.11	0.25	-0.09	0.14	0.00	0.00	-0.36	-0.49	
RANGE(MAX-MIN)	-1.580	2.930	1.400	-0.180	-0.910	3.450	1.900	-1.510	1.720	-0.820	-0.670	-0.310	
MEAN	-0.431	0.644	0.053	-0.737	-0.372	1.036	0.790	-0.502	-0.253	-0.183	-0.587	-0.687	
STANDARD DEVIATION	1.143	1.210	0.643	0.100	0.410	1.512	0.828	0.656	1.049	0.368	0.384	0.171	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.46	-0.95	1.17	0.47	0.47	-0.34	-1.34	-1.22	-0.89	10.00			
A2-KEYSTONE	0.22	-0.35	1.14	0.28	0.69	-0.65	-0.02	-0.89	0.23	0.00			
A3-KEYSTONE	-1.10	-0.14	0.70	1.42	0.19	0.48	-0.32	-1.07	-0.11	0.00			
A4-C13-STYLE	0.66	-1.35	2.07		-0.43	-0.44	2.00	-1.04	-0.44	-0.18	1.97	-0.76	
A5-C13-STYLE	1.11	-0.19	-0.64		-1.27	-0.13	2.37	-1.20	-0.58	-0.31	0.00	-0.78	
A6-C13-STYLE	-0.48	0.52	-0.48		14.68	9.88	1.54	0.42	0.00	2.47	1.18	1.96	
A7-DV4 PISTON	-0.56	2.48	1.51			2.84	-0.12						
B1-KEYSTONE	-0.16	-0.78	1.04	0.23	1.04	-0.08	0.00	-0.88	-0.45	0.00			
B2-KEYSTONE	0.64	-0.14	0.51	0.23	0.18	0.40	-1.55	-1.01	-0.12	0.00			
B3-KEYSTONE	-0.01	0.48	-0.27	0.23	0.08	0.20	-0.36	-0.96	-0.13	0.00			
B4-C13-STYLE	1.01	1.98	0.91		1.48	0.48	0.09	-1.67	-0.87	0.91	1.04	0.42	
B5-C13-STYLE	0.91	0.87	0.94		0.19	1.24	0.38	-0.95	-1.24	-0.78	0.04	-1.10	
B6-C13-STYLE	-0.75	0.14	1.48		0.84	1.42	0.87	-1.94	-0.54	0.67	1.93	-0.35	
B7-DV4 PISTON	-0.62	-0.52	0.72			-0.77	-0.49						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.11	2.48	2.07	1.42	14.68	9.88	2.37	-1.94	-1.24	10.00	1.97	1.96	
MINIMUM	-0.01	-0.14	-0.27	0.23	0.08	-0.08	0.00	0.42	0.00	0.00	0.00	-0.35	
RANGE(MAX-MIN)	1.120	2.620	2.340	1.190	14.600	9.960	2.370	-2.360	-1.240	10.000	1.970	2.310	
MEAN	0.095	0.146	0.771	0.477	0.315	0.358	0.218	-1.034	-0.428	0.253	1.027	-0.102	
STANDARD DEVIATION	0.722	1.069	0.778	0.471	0.741	0.999	1.141	0.561	0.427	0.861	0.867	1.138	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Sanchez, Arthur

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-1.02	0.06	-0.69	-0.84	0.73	2.46	-1.17	-0.53	-0.16	0.00			
A2-KEYSTONE	1.10	-0.35	-0.73	-0.51	-0.03	0.94	-0.84	-0.41	-0.33	0.00			
A3-KEYSTONE	-1.52	1.34	-0.57	0.30	0.36	2.17	0.56	-0.17	0.53	0.00			
A4-C13-STYLE	1.65	-0.29	-0.43		-0.14	1.45	-1.31	-0.05	-0.80	1.48	-0.59	-0.95	
A5-C13-STYLE	0.41	-1.03	-0.37		0.73	-0.46	0.47	0.83	-0.58	0.19	0.00	-0.35	
A6-C13-STYLE	0.77	-1.50	-1.88		0.09	-1.34	0.34	1.83	0.00	0.14	-0.82	-0.63	
A7-DV4 PISTON	0.47	0.21	-0.46			-0.78	0.56						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.65	-1.50	-1.88	-0.84	0.73	2.46	-1.31	1.83	-0.80	1.48	-0.82	-0.95	
MINIMUM	0.41	0.06	-0.37	0.30	-0.03	-0.46	0.34	-0.05	0.00	0.00	0.00	-0.35	
RANGE(MAX-MIN)	1.240	-1.560	-1.510	-1.140	0.760	2.920	-1.650	1.880	-0.800	1.480	-0.820	-0.600	
MEAN	0.266	-0.223	-0.733	-0.350	0.290	0.634	-0.199	0.250	-0.223	0.066	-0.470	-0.643	
STANDARD DEVIATION	1.138	0.914	0.523	0.587	0.379	1.503	0.864	0.910	0.467	0.100	0.423	0.300	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Seiz, Ray

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.67	0.61	-1.04	-1.43	1.51	2.17	0.51	0.43	-0.24	0.00			
A2-KEYSTONE	-0.66	0.51	-0.72	-0.76	1.65	0.73	0.75	-1.21	-1.84	0.00			
A3-KEYSTONE	2.01	-1.28	-0.65	-0.44	0.89	-1.07	0.44	-0.17	-2.96	0.00			
A4-C13-STYLE	1.52	-0.60	1.77		2.09	1.24	0.46	1.81	-0.08	3.14	-0.59	0.97	
A5-C13-STYLE	2.18	-0.91	1.66		3.35	-0.89	0.98	0.74	-0.58	0.70	0.00	-0.94	
A6-C13-STYLE	1.74	-0.10	0.23		2.68	3.41	-0.61	-0.76	0.00	0.60	-0.82	-0.04	
A7-DV4 PISTON	2.54	1.22	0.76			1.25	-0.39						
B1-KEYSTONE	4.14	-0.65	-0.92	-1.42	10.10	6.55	0.13	-0.88	-1.72	20.00			
B2-KEYSTONE	2.02	-1.01	-0.59	-0.23	3.23	2.54	3.88	-0.64	-1.50	0.00			
B3-KEYSTONE	1.00	0.18	-0.94	0.09	3.08	0.85	-0.31	-0.55	-1.39	0.00			
B4-C13-STYLE	-1.15	-0.91	0.98		2.00	3.20	-1.63	-0.72	-0.87	1.86	-0.49	0.61	
B5-C13-STYLE	1.38	-1.87	0.60		3.72	3.54	-0.29	-0.52	0.21	2.85	0.04	0.11	
B6-C13-STYLE	2.70	2.25	-1.03		2.64	5.36	5.87	2.13	-0.54	2.40	-0.84	-0.20	
B7-DV4 PISTON	1.00	1.96	-0.98			22.63	0.57						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	4.14	2.25	1.77	-1.43	10.10	22.63	5.87	2.13	-2.96	20.00	-0.84	0.97	
MINIMUM	-0.66	-0.10	0.23	0.09	0.89	0.73	0.13	-0.17	0.00	0.00	0.00	-0.04	
RANGE(MAX-MIN)	4.800	2.350	1.540	-1.520	9.210	21.900	5.740	2.300	-2.960	20.000	-0.840	1.010	
MEAN	1.578	-0.043	-0.062	-0.698	2.440	2.222	0.740	-0.028	-0.959	1.050	-0.450	0.085	
STANDARD DEVIATION	1.321	1.229	1.034	0.627	0.883	2.223	1.916	1.082	0.941	1.262	0.388	0.664	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Tang, Chuan

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.56	-1.46	-0.17	1.45	-0.02	-0.95	0.88	1.66	1.61	0.00			
A2-KEYSTONE	3.07	1.70	-0.08	-0.23	-0.85	-1.88	-0.17	2.16	3.43	0.00			
A3-KEYSTONE	-0.67	-1.19	0.24	0.43	-0.24	-1.96	0.46	0.13	-0.57	0.00			
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE	-0.19	-0.46	-0.36		-0.74	-1.82	-0.13	-0.52	25.00	-0.95	0.75	1.37	
A7-DV4 PISTON	-0.82	-0.82	0.15			-0.35	0.91						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	0.86	-0.08	2.38	0.25	-2.98	-0.21	1.53	1.67	1.31	0.00			
C2-KEYSTONE	-0.54	-0.40	-2.15	0.89	-1.88	-1.21	0.70	-1.47	8.55	0.00			
C3-KEYSTONE	1.75	-0.87	-0.88	0.76	-1.30	3.52	0.50	3.16	0.41	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	3.07	1.70	2.38	1.45	-2.98	3.52	1.53	3.16	25.00	-0.95	0.75	1.37	
MINIMUM	-0.19	-0.08	-0.08	-0.23	-0.02	-0.21	-0.13	0.13	0.41	0.00	0.75	1.37	
RANGE(MAX-MIN)	3.260	1.780	2.460	1.680	-2.960	3.730	1.660	3.030	24.590	-0.950	0.000	0.000	
MEAN	0.503	-0.448	-0.109	0.592	-1.144	-0.608	0.585	0.970	5.677	-0.136	0.000	0.000	
STANDARD DEVIATION	1.361	0.974	1.266	0.578	1.022	1.799	0.561	1.636	9.028	0.359	0.100	0.100	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Trevino, Robert

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-1.59	-1.38	-0.06	-0.70	1.04	1.75	0.04	-0.11	-0.45	0.00			
B2-KEYSTONE	-0.73	-0.78	-0.21	-0.39	0.67	-0.29	-0.49	-0.28	-0.43	0.00			
B3-KEYSTONE	-0.79	-0.36	0.83	-0.20	-0.46	0.89	0.39	-0.27	0.08	0.00			
B4-C13-STYLE	0.62	-0.54	0.01		-0.05	0.58	-2.13	0.32	-0.87	-0.62	-0.49	0.74	
B5-C13-STYLE	1.36	-0.90	-0.57		1.05	0.76	-0.53	0.55	0.21	0.26	1.54	0.66	
B6-C13-STYLE	0.65	-0.04	-0.44		-0.66	-0.37	-0.64	0.28	-0.54	-0.75	-0.31	-0.20	
B7-DV4 PISTON													
C1-KEYSTONE	-0.65	0.17	0.12	-1.01	-0.66	0.00	-0.71	-0.99	-0.80	0.00			
C2-KEYSTONE	0.98	-0.79	-0.09	1.30	-0.74	1.16	-0.77	0.45	-0.80	0.00			
C3-KEYSTONE	0.16	-0.79	-0.85	1.18	0.25	0.85	-0.42	0.47	-0.24	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.59	-1.38	-0.85	1.30	1.05	1.75	-2.13	-0.99	-0.87	-0.75	1.54	0.74	
MINIMUM	0.16	-0.04	0.01	-0.20	-0.05	0.00	0.04	-0.11	0.08	0.00	-0.31	-0.20	
RANGE(MAX-MIN)	-1.750	-1.340	-0.860	1.500	1.100	1.750	-2.170	-0.880	-0.950	-0.750	1.850	0.940	
MEAN	0.001	-0.601	-0.140	0.030	0.049	0.592	-0.584	0.047	-0.427	-0.123	0.247	0.400	
STANDARD DEVIATION	0.984	0.470	0.477	0.978	0.734	0.698	0.691	0.504	0.385	0.331	1.124	0.521	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.00	0.91	0.74	7.72	0.96	0.07	1.80	1.80	0.89	0.00			
A2-KEYSTONE	-1.76	1.37	2.11	2.40	1.55	-1.74	2.07	1.68	1.17	0.00			
A3-KEYSTONE	1.87	-1.21	2.26	1.37	1.69	-0.46	2.39	2.39	-1.03	0.00			
A4-C13-STYLE	0.17	1.88	0.97		-0.16	-1.54	0.47	0.44	2.44	-1.85	0.07	1.16	
A5-C13-STYLE	0.21	-0.16	-1.21		1.57	-0.55	-0.80	0.55	2.31	-1.06	0.00	0.72	
A6-C13-STYLE	-0.25	0.79	1.85		-0.64	1.55	0.68	-0.41	0.00	-0.95	0.61	1.37	
A7-DV4 PISTON	-0.82	-0.64	-0.21			-0.42	0.43						
B1-KEYSTONE	-0.16	1.99	1.96	2.24	0.11	-0.83	2.16	2.39	2.35	0.00			
B2-KEYSTONE	0.49	1.18	2.13	2.17	-0.66	-1.26	1.59	2.39	0.80	0.00			
B3-KEYSTONE	1.37	-0.06	1.82	2.30	-0.03	1.43	1.74	2.06	1.54	0.00			
B4-C13-STYLE	0.24	-0.06	0.98		-0.67	-0.54	-0.06	0.51	1.73	-1.39	-0.49	1.37	
B5-C13-STYLE	-0.42	1.23	1.29		-2.10	-0.51	-0.65	-0.16	16.15	-1.82	0.04	1.98	
B6-C13-STYLE	-0.61	0.11	-1.03		-1.72	-0.80	-1.12	-0.46	1.37	-1.69	-0.25	2.02	
B7-DV4 PISTON	0.19	0.23	-0.28			-0.06	0.33						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE	-0.84	-0.98	1.62	1.59	-0.23	0.18	2.12	1.55	-0.64	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE	-0.31	-0.83	0.66		-1.66	-1.43	-0.77	-0.94	0.00	-1.70	0.26	1.70	
C7-DV4 PISTON	-0.36	-1.72	0.22			-1.46	0.98						
MAXIMUM	1.87	1.99	2.26	7.72	-2.10	-1.74	2.39	2.39	16.15	-1.85	0.61	2.02	
MINIMUM	0.00	-0.06	-0.21	1.37	-0.03	-0.06	-0.06	-0.16	0.00	0.00	0.00	0.72	
RANGE(MAX-MIN)	1.870	2.050	2.470	6.350	-2.070	-1.680	2.450	2.550	16.150	-1.850	0.610	1.300	
MEAN	-0.058	0.237	0.934	2.012	-0.142	-0.492	0.786	0.985	0.995	-0.747	0.034	1.474	
STANDARD DEVIATION	0.831	1.100	1.110	0.424	1.236	0.939	1.181	1.187	1.135	0.814	0.351	0.464	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor (Rerate)

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.00	0.91	-0.49	0.73	0.96	0.07	1.80	-0.12	0.89	0.00			
A2-KEYSTONE	-1.76	1.37	0.07	-0.02	1.55	-1.74	2.07	1.20	0.61	0.00			
A3-KEYSTONE	1.87	-1.21	-0.08	1.37	1.69	-0.46	2.39	0.13	-1.12	0.00			
A4-C13-STYLE	0.17	1.88	0.97		-0.16	-1.54	0.47	0.44	-0.08	-1.85	0.07	1.16	
A5-C13-STYLE	0.21	-0.16	-1.21		1.57	-0.55	-0.80	0.55	-0.58	-1.06	0.00	0.72	
A6-C13-STYLE	-0.25	0.20	1.85		-0.64	-0.05	0.68	-0.41	0.00	-0.95	0.61	1.37	
A7-DV4 PISTON	-0.82	-0.64	-0.56			-0.42	2.48						
B1-KEYSTONE	-0.16	1.99	1.96	2.24	0.11	-0.83	2.16	-0.30	0.06	0.00			
B2-KEYSTONE	0.49	1.18	-0.26	1.74	-0.66	-1.26	1.59	-0.09	0.80	0.00			
B3-KEYSTONE	1.37	-0.06	1.82	0.09	-0.03	1.43	1.74	-0.14	0.50	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	0.19	0.23	-0.28			-0.06	0.33						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON	-0.36	0.18	0.22			-1.38	0.73						
MAXIMUM	1.87	1.99	1.96	2.24	1.69	-1.74	2.48	1.20	-1.12	-1.85	0.61	1.37	
MINIMUM	0.00	-0.06	0.07	-0.02	-0.03	-0.05	0.33	-0.09	0.00	0.00	0.00	0.72	
RANGE(MAX-MIN)	1.870	2.050	1.890	2.260	1.720	-1.690	2.150	1.290	-1.120	-1.850	0.610	0.650	
MEAN	0.079	0.489	0.334	1.025	0.488	-0.566	1.303	0.140	0.120	-0.429	0.227	1.083	
STANDARD DEVIATION	0.936	0.989	1.062	0.912	0.961	0.878	1.009	0.510	0.664	0.689	0.334	0.332	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Xu, Raphael

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	2.97	-0.06	-1.45	-0.54	-1.51	-0.49	-0.55	0.09	-0.71	0.00			
B2-KEYSTONE	-0.42	-2.71	-1.43	-0.54	-0.85	-0.05	-1.02	-0.28	-0.73	0.00			
B3-KEYSTONE	-0.35	-0.45	-0.47	0.57	-0.74	-0.50	-0.41	-0.27	-0.97	0.00			
B4-C13-STYLE	1.33	0.48	-0.54		0.35	1.48	0.59	1.36	0.58	0.33	-0.49	0.93	
B5-C13-STYLE	-0.95	-0.34	-1.12		-1.26	0.96	-1.59	-0.45	1.66	-0.26	0.04	-0.11	
B6-C13-STYLE	1.97	0.44	-1.03		0.33	-1.40	0.09	-0.09	-0.54	0.35	-1.01	0.83	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE	2.61	-0.93	-0.99	0.00	-1.18	3.25	-0.28	-0.01	-1.29	0.00			
C4-C13-STYLE	-2.32	-0.33	-0.66		-2.40	-0.55	-0.77	0.51	0.77	-1.56	-0.55	-3.05	
C5-C13-STYLE													
C6-C13-STYLE	-1.05	-0.64	-1.30		-0.68	0.85	-0.77	0.36	0.00	-0.77	-0.97	0.18	
C7-DV4 PISTON													
MAXIMUM	2.97	-2.71	-1.45	0.57	-2.40	3.25	-1.59	1.36	1.66	-1.56	-1.01	-3.05	
MINIMUM	-0.35	-0.06	-0.47	0.00	0.33	-0.05	0.09	-0.01	0.00	0.00	0.04	-0.11	
RANGE(MAX-MIN)	3.320	-2.650	-0.980	0.570	-2.730	3.300	-1.680	1.370	1.660	-1.560	-1.050	-2.940	
MEAN	0.421	-0.504	-0.999	-0.128	-0.882	0.394	-0.523	0.136	-0.137	-0.212	-0.596	-0.244	
STANDARD DEVIATION	1.850	0.948	0.371	0.530	0.865	1.403	0.632	0.553	0.965	0.604	0.427	1.628	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= You, Dalong

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.37	1.59	-0.10	-0.45	0.41	1.78	-0.53	0.70	0.97	0.00			
A2-KEYSTONE	1.32	-0.15	0.12	-0.66	-0.49	-0.87	0.51	-0.73	-2.41	0.00			
A3-KEYSTONE	0.17	0.96	-0.50	-0.03	-0.19	0.15	0.29	-0.62	-0.57	0.00			
A4-C13-STYLE	0.47	-1.23	0.09		0.15	1.36	1.73	-0.35	-0.44	3.14	-0.42	-0.37	
A5-C13-STYLE	1.14	-1.20	-0.74		0.69	-0.44	0.75	-0.37	5.20	0.70	0.00	-0.62	
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.88	0.70	-1.34	-0.49	-1.07	-0.55	-0.62	-0.11	-1.72	0.00			
B2-KEYSTONE	1.71	-0.72	-0.56	0.15	-0.98	0.77	-0.21	-0.64	0.03	0.00			
B3-KEYSTONE	1.63	-1.71	0.68	0.62	0.09	-0.39	0.29	-0.55	-1.39	0.00			
B4-C13-STYLE	-0.84	-0.61	0.01		1.57	2.43	-2.35	-1.76	0.58	2.06	-0.49	-0.39	
B5-C13-STYLE													
B6-C13-STYLE	1.77	-1.13	-0.44		0.25	1.00	-1.36	-2.87	-2.92	0.04	-1.01	1.58	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.77	-1.71	-1.34	-0.66	1.57	2.43	-2.35	-2.87	5.20	3.14	-1.01	1.58	
MINIMUM	0.17	-0.15	0.01	-0.03	0.09	0.15	-0.21	-0.11	0.03	0.00	0.00	-0.37	
RANGE(MAX-MIN)	1.600	-1.560	-1.350	-0.630	1.480	2.280	-2.140	-2.760	5.170	3.140	-1.010	1.950	
MEAN	0.686	-0.350	-0.278	-0.143	0.043	0.524	-0.150	-0.730	-0.267	0.594	-0.480	0.050	
STANDARD DEVIATION	0.995	1.095	0.560	0.482	0.786	1.115	1.147	0.966	2.294	1.109	0.414	1.026	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Zalewski, John

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	1.30	1.80	0.42	-0.52	-0.40	0.53	0.48	3.72	2.18	0.00			
A2-KEYSTONE	-1.76	26.92	0.10	-0.18	-0.78	6.21	0.34	1.20	5.32	0.00			
A3-KEYSTONE	24.87	3.04	-0.29	-0.73	0.12	-3.02	-0.17	9.92	0.35	0.00			
A4-C13-STYLE	-1.07	1.00	-0.78		-0.84	3.22	0.47	-0.55	2.44	-0.18	-0.59	0.87	
A5-C13-STYLE	2.86	-0.19	0.65		0.26	-0.09	2.07	2.86	4.04	-0.06	0.00	-0.35	
A6-C13-STYLE	2.87	-1.31	0.29		1.72	-1.11	-1.59	5.72	0.00	0.76	-0.82	1.14	
A7-DV4 PISTON	0.47	14.72	0.22			-0.07	0.36						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-0.72	-2.73	1.98	-1.25	-1.20	0.81	-0.97	1.42	1.31	0.00			
C2-KEYSTONE	1.66	-1.23	-0.47	0.31	-2.48	3.28	-0.98	1.42	6.68	0.00			
C3-KEYSTONE	1.17	-1.04	-0.26	-0.07	-1.53	19.70	-0.52	3.40	-0.11	0.00			
C4-C13-STYLE	4.71	-0.16	-0.66		-0.62	1.03	4.02	4.44	4.92	-0.38	-0.55	3.55	
C5-C13-STYLE	4.89	-2.23	-4.34		-1.78	0.76	-0.58	5.30	-1.41	0.00	-2.22	3.29	
C6-C13-STYLE	3.25	1.48	-1.05		-0.48	-2.19	-0.08	2.22	0.00	0.62	-1.03	0.60	
C7-DV4 PISTON	-0.34	1.56	3.12			1.74	-1.32						
MAXIMUM	24.87	26.92	-4.34	-1.25	-2.48	19.70	4.02	9.92	6.68	0.76	-2.22	3.55	
MINIMUM	-0.34	-0.16	0.10	-0.07	0.12	-0.07	-0.08	-0.55	0.00	0.00	0.00	-0.35	
RANGE(MAX-MIN)	25.210	27.080	-4.440	-1.180	-2.600	19.770	4.100	10.470	6.680	0.760	-2.220	3.900	
MEAN	1.484	1.132	-0.076	-0.407	-0.668	0.854	0.109	3.423	2.143	0.063	-0.868	1.517	
STANDARD DEVIATION	2.148	4.425	1.656	0.549	1.082	2.432	1.462	2.741	2.574	0.315	0.747	1.560	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Aguirre, Nancy P

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Arrizon, Richard

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Barrera, Tony

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.47	-0.58	-1.23	-0.88	-0.69	-0.85	
M1-6-C13 2ND RING CARBON	-0.67	-0.39	-0.36	-0.79	-0.51	-0.53	
N1-6-C13 2ND RING CARBON	-0.64	-0.52	-0.64	-0.78	-0.62	-0.44	
O1-6-C13 2ND RING CARBON	-0.80	-0.60	-0.91	-0.82	-1.08	-0.72	
MAXIMUM	-0.80	-0.60	-1.23	-0.88	-1.08	-0.85	
MINIMUM	-0.47	-0.39	-0.36	-0.78	-0.51	-0.44	
RANGE(MAX-MIN)	-0.330	-0.210	-0.870	-0.100	-0.570	-0.410	
MEAN	-0.645	-0.523	-0.785	-0.818	-0.725	-0.635	
STANDARD DEVIATION	0.136	0.100	0.372	0.100	0.248	0.185	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bean, Janelle

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bolaney, Jonathan

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.80	1.19	-0.27	0.01	-0.16	-0.44	
K1-6-C13 2ND RING CARBON	-0.18	-0.03	-0.90	-0.38	-0.05	0.63	
L1-6-C13 2ND RING CARBON	-0.47	0.21	-0.60	-0.61	-0.69	-0.51	
M1-6-C13 2ND RING CARBON	-0.87	-1.93	-0.57	-0.15	-0.39	-0.24	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.87	-1.93	-0.90	-0.61	-0.69	0.63	
MINIMUM	-0.18	-0.03	-0.27	0.01	-0.05	-0.24	
RANGE(MAX-MIN)	-0.690	-1.900	-0.630	-0.620	-0.640	0.870	
MEAN	-0.180	-0.140	-0.585	-0.283	-0.323	-0.140	
STANDARD DEVIATION	0.712	1.305	0.257	0.271	0.283	0.526	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Broff, Andy

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.41	1.47	2.16	2.17	2.06	2.20	
K1-6-C13 2ND RING CARBON	0.66	1.55	2.69	2.69	0.87	1.48	
L1-6-C13 2ND RING CARBON	1.59	6.25	2.33	2.38	1.71	2.12	
M1-6-C13 2ND RING CARBON	2.39	1.21	0.24	1.12	2.14	2.67	
N1-6-C13 2ND RING CARBON	6.19	2.16	2.21	1.95	1.95	1.87	
O1-6-C13 2ND RING CARBON	1.56	2.60	2.16	1.79	-0.27	2.30	
MAXIMUM	6.19	6.25	2.69	2.69	2.14	2.67	
MINIMUM	-0.41	1.21	0.24	1.12	-0.27	1.48	
RANGE(MAX-MIN)	6.600	5.040	2.450	1.570	2.410	1.190	
MEAN	1.997	2.540	1.965	2.017	1.410	2.107	
STANDARD DEVIATION	2.266	1.887	0.868	0.542	0.944	0.403	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Cales, Jonathon

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Castillo, George

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.41	-0.22	0.03	-0.41	-0.71	0.78	
K1-6-C13 2ND RING CARBON	0.45	-1.02	0.57	0.54	1.33	1.27	
L1-6-C13 2ND RING CARBON	-0.24	-0.84	-0.39	-0.20	-0.56	0.40	
M1-6-C13 2ND RING CARBON	0.23	0.51	0.65	-0.15	-0.26	-0.68	
N1-6-C13 2ND RING CARBON	0.24	0.25	0.76	0.75	0.39	0.31	
O1-6-C13 2ND RING CARBON	0.28	1.00	0.80	-0.30	-0.27	0.53	
MAXIMUM	0.45	-1.02	0.80	0.75	1.33	1.27	
MINIMUM	0.23	-0.22	0.03	-0.15	-0.26	0.31	
RANGE(MAX-MIN)	0.220	-0.800	0.770	0.900	1.590	0.960	
MEAN	0.092	-0.053	0.403	0.038	-0.013	0.435	
STANDARD DEVIATION	0.337	0.787	0.478	0.483	0.759	0.646	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= CHEN, JIONGJING

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Clare, Jamie

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= De Armas, Raymond

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	-2.23	-2.19	-0.64	-0.31	-1.64	-0.50	
K1-6-C13 2ND RING CARBON	-1.43	-1.21	-0.49	-1.00	-1.20	-1.51	
L1-6-C13 2ND RING CARBON	-0.70	-1.63	-1.86	-2.11	-0.82	-2.00	
M1-6-C13 2ND RING CARBON	-1.22	-2.20	-1.17	-1.42	-1.11	-0.97	
N1-6-C13 2ND RING CARBON	-1.34	-0.93	-0.51	-0.57	-0.28	-0.14	
O1-6-C13 2ND RING CARBON	-0.69	-0.87	0.11	-0.40	-1.90	-0.63	
MAXIMUM	-2.23	-2.20	-1.86	-2.11	-1.90	-2.00	
MINIMUM	-0.69	-0.87	0.11	-0.31	-0.28	-0.14	
RANGE(MAX-MIN)	-1.540	-1.330	-1.970	-1.800	-1.620	-1.860	
MEAN	-1.268	-1.505	-0.760	-0.968	-1.158	-0.958	
STANDARD DEVIATION	0.568	0.598	0.676	0.696	0.578	0.690	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= DeCapite, Vanessa

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.20	-0.22	0.27	0.43	0.95	0.48	
K1-6-C13 2ND RING CARBON	0.87	0.96	0.69	0.54	-0.05	-0.23	
L1-6-C13 2ND RING CARBON	1.13	-0.06	0.03	0.07	1.08	-0.85	
M1-6-C13 2ND RING CARBON	-0.02	-0.18	-0.57	0.06	-0.14	1.07	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	1.13	0.96	0.69	0.54	1.08	1.07	
MINIMUM	-0.02	-0.06	0.03	0.06	-0.05	-0.23	
RANGE(MAX-MIN)	1.150	1.020	0.660	0.480	1.130	1.300	
MEAN	0.545	0.125	0.105	0.275	0.460	0.118	
STANDARD DEVIATION	0.543	0.561	0.526	0.247	0.644	0.836	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Dominguez, Lucio

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	0.44	1.26	1.07	0.41	1.21	0.86	
M1-6-C13 2ND RING CARBON	-1.02	-0.12	-0.57	-0.57	-0.63	-0.82	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.02	1.26	1.07	-0.57	1.21	0.86	
MINIMUM	0.44	-0.12	-0.57	0.41	-0.63	-0.82	
RANGE(MAX-MIN)	-1.460	1.380	1.640	-0.980	1.840	1.680	
MEAN	-1.020	-0.120	-0.570	-0.570	-0.630	-0.820	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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	0.20	1.47	0.52	0.38	0.77	0.66	
K1-6-C13 2ND RING CARBON	0.45	-0.23	0.57	0.08	-0.51	0.20	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	0.06	0.82	0.63	0.31	0.50	0.51	
O1-6-C13 2ND RING CARBON	-0.04	-0.07	0.11	-0.50	-0.27	-0.10	
MAXIMUM	0.45	1.47	0.63	-0.50	0.77	0.66	
MINIMUM	-0.04	-0.07	0.11	0.08	-0.27	-0.10	
RANGE(MAX-MIN)	0.490	1.540	0.520	-0.580	1.040	0.760	
MEAN	0.168	0.498	0.458	0.068	0.123	0.318	
STANDARD DEVIATION	0.213	0.796	0.236	0.399	0.610	0.338	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Gao, Siyuan

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	0.44	0.73	-0.11	0.75	1.33	0.06	
M1-6-C13 2ND RING CARBON	0.99	0.67	2.47	2.39	1.66	0.78	
N1-6-C13 2ND RING CARBON	1.99	-0.11	0.44	0.86	0.11	0.06	
O1-6-C13 2ND RING CARBON	1.99	-0.07	-0.23	1.89	0.54	-0.81	
MAXIMUM	1.99	0.73	2.47	2.39	1.66	-0.81	
MINIMUM	0.44	-0.07	-0.11	0.75	0.11	0.06	
RANGE(MAX-MIN)	1.550	0.800	2.580	1.640	1.550	-0.870	
MEAN	1.353	0.305	0.643	1.473	0.910	0.023	
STANDARD DEVIATION	0.770	0.457	1.253	0.799	0.711	0.651	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Greenland, Paul

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hayden, Matthew

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.80	-0.22	-0.40	-0.31	-0.34	-0.44	
K1-6-C13 2ND RING CARBON	0.03	1.75	-0.49	0.84	1.56	0.84	
L1-6-C13 2ND RING CARBON	1.13	1.52	0.10	-0.20	0.07	-0.74	
M1-6-C13 2ND RING CARBON	-0.07	-0.07	0.44	0.91	0.34	0.19	
N1-6-C13 2ND RING CARBON	-0.29	-0.16	-0.26	-0.35	-0.45	-0.49	
O1-6-C13 2ND RING CARBON	0.17	-0.07	-0.57	-0.40	1.35	0.08	
MAXIMUM	1.13	1.75	-0.57	0.91	1.56	0.84	
MINIMUM	0.03	-0.07	0.10	-0.20	0.07	0.08	
RANGE(MAX-MIN)	1.100	1.820	-0.670	1.110	1.490	0.760	
MEAN	0.295	0.458	-0.197	0.082	0.422	-0.093	
STANDARD DEVIATION	0.550	0.916	0.391	0.618	0.852	0.579	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hill, Howard P.

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hills, Barry

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hodgson, Joshua

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Jones, Christopher

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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	-0.41	-0.22	-0.58	-0.20	-0.53	-0.32	
K1-6-C13 2ND RING CARBON	-0.60	-0.23	-0.49	-0.54	-0.74	-0.66	
L1-6-C13 2ND RING CARBON	-1.16	-0.58	-0.67	-0.95	-0.94	-0.85	
M1-6-C13 2ND RING CARBON	-0.67	-0.60	-0.97	-0.79	-0.63	-0.68	
N1-6-C13 2ND RING CARBON	-0.46	-0.42	-0.51	-1.00	-0.84	-0.49	
O1-6-C13 2ND RING CARBON	-0.80	-0.60	-0.91	-0.71	-0.27	-0.63	
MAXIMUM	-1.16	-0.60	-0.97	-1.00	-0.94	-0.85	
MINIMUM	-0.41	-0.22	-0.49	-0.20	-0.27	-0.32	
RANGE(MAX-MIN)	-0.750	-0.380	-0.480	-0.800	-0.670	-0.530	
MEAN	-0.683	-0.442	-0.688	-0.698	-0.658	-0.605	
STANDARD DEVIATION	0.273	0.181	0.206	0.295	0.240	0.181	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Langford, Mike

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lonsway, Chris

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-0.70	-0.06	0.73	0.61	-0.82	0.18	
M1-6-C13 2ND RING CARBON	0.13	0.35	-0.97	0.69	-0.63	-0.68	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.70	0.35	-0.97	0.69	-0.82	-0.68	
MINIMUM	0.13	-0.06	0.73	0.61	-0.63	0.18	
RANGE(MAX-MIN)	-0.830	0.410	-1.700	0.080	-0.190	-0.860	
MEAN	-0.700	-0.060	-0.970	0.610	-0.820	-0.680	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lopez, Frank

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Dongsheng

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Wentong

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ma, Xiang

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	-0.11	0.06	-1.55	-1.57	-0.99	-1.98	
K1-6-C13 2ND RING CARBON	-1.22	-0.23	-0.49	-1.00	-0.51	-0.87	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	-0.64	-1.19	-1.40	-1.33	-1.29	-1.69	
O1-6-C13 2ND RING CARBON	-0.80	-0.33	-0.57	-0.40	1.35	-0.54	
MAXIMUM	-1.22	-1.19	-1.55	-1.57	1.35	-1.98	
MINIMUM	-0.11	0.06	-0.49	-0.40	-0.51	-0.54	
RANGE(MAX-MIN)	-1.110	-1.250	-1.060	-1.170	1.860	-1.440	
MEAN	-0.693	-0.423	-1.003	-1.075	-0.360	-1.270	
STANDARD DEVIATION	0.459	0.538	0.550	0.507	1.184	0.677	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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	-0.72	-0.78	-0.58	-0.99	-0.53	-0.57	
K1-6-C13 2ND RING CARBON	-0.81	-1.02	-0.43	-1.00	-1.20	-1.08	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	-0.64	-0.78	-0.32	-0.02	-0.17	-0.34	
O1-6-C13 2ND RING CARBON	-0.80	-1.13	-0.91	-0.71	-0.27	-0.45	
MAXIMUM	-0.81	-1.13	-0.91	-1.00	-1.20	-1.08	
MINIMUM	-0.64	-0.78	-0.32	-0.02	-0.17	-0.34	
RANGE(MAX-MIN)	-0.170	-0.350	-0.590	-0.980	-1.030	-0.740	
MEAN	-0.743	-0.928	-0.560	-0.680	-0.543	-0.610	
STANDARD DEVIATION	0.100	0.176	0.257	0.460	0.464	0.327	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Price, Gregory

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	0.20	0.34	-0.58	-0.63	-0.44	-0.87	
K1-6-C13 2ND RING CARBON	-0.18	-0.03	-0.43	-0.54	-0.28	-0.66	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	0.06	-0.52	-1.15	-0.89	-0.95	-0.84	
O1-6-C13 2ND RING CARBON	-0.90	-0.33	-0.57	-0.61	1.35	-0.63	
MAXIMUM	-0.90	-0.52	-1.15	-0.89	1.35	-0.87	
MINIMUM	0.06	-0.03	-0.43	-0.54	-0.28	-0.63	
RANGE(MAX-MIN)	-0.960	-0.490	-0.720	-0.350	1.630	-0.240	
MEAN	-0.205	-0.135	-0.683	-0.668	-0.080	-0.750	
STANDARD DEVIATION	0.489	0.375	0.319	0.153	0.995	0.122	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ramirez, 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							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Reese, Kyle

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Edward

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	-1.62	0.47	0.94	0.54	1.21	0.40	
M1-6-C13 2ND RING CARBON	-1.12	0.78	1.46	-0.36	-0.51	-0.39	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.62	0.78	1.46	0.54	1.21	0.40	
MINIMUM	-1.12	0.47	0.94	-0.36	-0.51	-0.39	
RANGE(MAX-MIN)	-0.500	0.310	0.520	0.900	1.720	0.790	
MEAN	-1.620	0.470	0.940	-0.360	-0.510	-0.390	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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							
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM							
MINIMUM							
RANGE(MAX-MIN)							
MEAN							
STANDARD DEVIATION							

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

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	0.20	-0.22	0.34	0.69	0.58	0.97	
K1-6-C13 2ND RING CARBON	0.03	0.96	0.81	-0.08	0.41	-0.02	
L1-6-C13 2ND RING CARBON	-0.70	-1.11	-0.11	0.48	-0.69	0.40	
M1-6-C13 2ND RING CARBON	0.59	0.30	-0.57	-1.00	-0.75	-0.10	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.70	-1.11	0.81	-1.00	-0.75	0.97	
MINIMUM	0.03	-0.22	-0.11	-0.08	0.41	-0.02	
RANGE(MAX-MIN)	-0.730	-0.890	0.920	-0.920	-1.160	0.990	
MEAN	0.030	-0.018	0.118	0.023	-0.113	0.313	
STANDARD DEVIATION	0.540	0.874	0.593	0.755	0.705	0.490	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Tang, Chuan

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Trevino, Robert

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.41	-1.06	-0.58	-0.84	-0.34	-0.32	
K1-6-C13 2ND RING CARBON	-0.60	-1.41	-0.31	-0.69	-1.20	-0.87	
L1-6-C13 2ND RING CARBON	-0.24	-0.84	-0.25	-0.34	-0.31	0.29	
M1-6-C13 2ND RING CARBON	0.13	0.35	0.65	0.06	-0.26	-0.68	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-0.60	-1.41	0.65	-0.84	-1.20	-0.87	
MINIMUM	0.13	0.35	-0.25	0.06	-0.26	0.29	
RANGE(MAX-MIN)	-0.730	-1.760	0.900	-0.900	-0.940	-1.160	
MEAN	-0.280	-0.740	-0.123	-0.453	-0.528	-0.395	
STANDARD DEVIATION	0.310	0.764	0.535	0.401	0.450	0.510	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor (Rerate)

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Xu, Raphael

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= You, Dalong

YI Values

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

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

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Zalewski, 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	2.32	0.62	1.86	1.59	1.32	0.35	
K1-6-C13 2ND RING CARBON	2.54	0.17	-1.31	0.54	1.56	1.48	
L1-6-C13 2ND RING CARBON	1.59	1.52	0.03	0.07	-1.07	1.09	
M1-6-C13 2ND RING CARBON	1.19	1.31	-0.16	7.25	1.66	1.07	
N1-6-C13 2ND RING CARBON	1.64	1.39	0.76	1.08	1.67	1.67	
O1-6-C13 2ND RING CARBON	0.81	0.47	1.48	1.16	-0.27	1.59	
MAXIMUM	2.54	1.52	1.86	7.25	1.67	1.67	
MINIMUM	0.81	0.17	0.03	0.07	-0.27	0.35	
RANGE(MAX-MIN)	1.730	1.350	1.830	7.180	1.940	1.320	
MEAN	1.682	0.913	0.443	1.948	0.812	1.208	
STANDARD DEVIATION	0.657	0.564	1.165	2.650	1.182	0.490	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Aguirre, Nancy P

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.64	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-0.03	
VVDR-VALVE DECK SLUDGE R	0.13	
MAXIMUM	-0.64	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-0.610	
MEAN	-0.195	
STANDARD DEVIATION	0.277	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Arrizon, Richard

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Barrera, Tony

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.64	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-0.36	
VVDR-VALVE DECK SLUDGE R	0.23	
MAXIMUM	-0.64	
MINIMUM	-0.05	
RANGE(MAX-MIN)	-0.590	
MEAN	-0.233	
STANDARD DEVIATION	0.300	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bean, Janelle

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Bolaney, Jonathan

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.14	
ISMOP2-ISM OIL PAN	0.14	
ISMRC1-ISM ROCKER COVER	1.40	
ISMRC2-ISM ROCKER COVER	-0.44	
VVDL-VALVE DECK SLUDGE L	-1.23	
VVDR-VALVE DECK SLUDGE R	0.17	
MAXIMUM	1.40	
MINIMUM	0.14	
RANGE(MAX-MIN)	1.260	
MEAN	0.030	
STANDARD DEVIATION	0.864	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Broff, Andy

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.78	
ISMOP2-ISM OIL PAN	-0.09	
ISMRC1-ISM ROCKER COVER	1.83	
ISMRC2-ISM ROCKER COVER	3.22	
VVDL-VALVE DECK SLUDGE L	-1.50	
VVDR-VALVE DECK SLUDGE R	-5.13	
MAXIMUM	-5.13	
MINIMUM	-0.09	
RANGE(MAX-MIN)	-5.040	
MEAN	-0.148	
STANDARD DEVIATION	2.925	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Cales, Jonathon

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.60	
ISMOP2-ISM OIL PAN	-0.25	
ISMRC1-ISM ROCKER COVER	0.26	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-0.36	
VVDR-VALVE DECK SLUDGE R	0.09	
MAXIMUM	0.60	
MINIMUM	0.09	
RANGE(MAX-MIN)	0.510	
MEAN	-0.005	
STANDARD DEVIATION	0.391	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Castillo, George

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.37	
ISMOP2-ISM OIL PAN	0.38	
ISMRC1-ISM ROCKER COVER	0.22	
ISMRC2-ISM ROCKER COVER	-0.30	
VVDL-VALVE DECK SLUDGE L	-0.30	
VVDR-VALVE DECK SLUDGE R	0.48	
MAXIMUM	0.48	
MINIMUM	0.22	
RANGE(MAX-MIN)	0.260	
MEAN	0.142	
STANDARD DEVIATION	0.352	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= CHEN, JIONGJING

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Clare, Jamie

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.14	
ISMOP2-ISM OIL PAN	-0.01	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.09	
VVDL-VALVE DECK SLUDGE L	-0.70	
VVDR-VALVE DECK SLUDGE R	0.46	
MAXIMUM	-0.70	
MINIMUM	-0.01	
RANGE(MAX-MIN)	-0.690	
MEAN	-0.042	
STANDARD DEVIATION	0.380	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= De Armas, Raymond

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	2.11	
ISMOP2-ISM OIL PAN	2.41	
ISMRC1-ISM ROCKER COVER	1.63	
ISMRC2-ISM ROCKER COVER	2.33	
VVDL-VALVE DECK SLUDGE L	0.17	
VVDR-VALVE DECK SLUDGE R	0.27	
MAXIMUM	2.41	
MINIMUM	0.17	
RANGE(MAX-MIN)	2.240	
MEAN	1.487	
STANDARD DEVIATION	1.019	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= DeCapite, Vanessa

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.15	
ISMOP2-ISM OIL PAN	-0.80	
ISMRC1-ISM ROCKER COVER	0.10	
ISMRC2-ISM ROCKER COVER	-0.23	
VVDL-VALVE DECK SLUDGE L	1.30	
VVDR-VALVE DECK SLUDGE R	0.44	
MAXIMUM	1.30	
MINIMUM	0.10	
RANGE(MAX-MIN)	1.200	
MEAN	0.110	
STANDARD DEVIATION	0.712	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Dominguez, Lucio

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.64	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.85	
VVDL-VALVE DECK SLUDGE L	-0.83	
VVDR-VALVE DECK SLUDGE R	-0.03	
MAXIMUM	-0.85	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-0.820	
MEAN	-0.435	
STANDARD DEVIATION	0.383	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Foecking, Brian

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.09	
ISMOP2-ISM OIL PAN	-0.48	
ISMRC1-ISM ROCKER COVER	0.06	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-0.56	
VVDR-VALVE DECK SLUDGE R	0.17	
MAXIMUM	-0.56	
MINIMUM	0.06	
RANGE(MAX-MIN)	-0.620	
MEAN	-0.212	
STANDARD DEVIATION	0.301	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Gao, Siyuan

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.14	
ISMOP2-ISM OIL PAN	1.63	
ISMRC1-ISM ROCKER COVER	0.61	
ISMRC2-ISM ROCKER COVER	1.57	
VVDL-VALVE DECK SLUDGE L	1.17	
VVDR-VALVE DECK SLUDGE R	0.13	
MAXIMUM	1.63	
MINIMUM	0.13	
RANGE(MAX-MIN)	1.500	
MEAN	0.875	
STANDARD DEVIATION	0.679	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Greenland, Paul

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.14	
ISMOP2-ISM OIL PAN	-0.01	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.09	
VVDL-VALVE DECK SLUDGE L	1.37	
VVDR-VALVE DECK SLUDGE R	0.52	
MAXIMUM	1.37	
MINIMUM	-0.01	
RANGE(MAX-MIN)	1.380	
MEAN	0.313	
STANDARD DEVIATION	0.564	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hayden, Matthew

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.73	
ISMOP2-ISM OIL PAN	-0.48	
ISMRC1-ISM ROCKER COVER	-0.49	
ISMRC2-ISM ROCKER COVER	-0.65	
VVDL-VALVE DECK SLUDGE L	-0.56	
VVDR-VALVE DECK SLUDGE R	0.05	
MAXIMUM	-0.73	
MINIMUM	0.05	
RANGE(MAX-MIN)	-0.780	
MEAN	-0.477	
STANDARD DEVIATION	0.275	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hill, Howard P.

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.09	
ISMOP2-ISM OIL PAN	-0.09	
ISMRC1-ISM ROCKER COVER	-0.25	
ISMRC2-ISM ROCKER COVER	-0.23	
VVDL-VALVE DECK SLUDGE L	-0.16	
VVDR-VALVE DECK SLUDGE R	0.25	
MAXIMUM	-0.25	
MINIMUM	-0.09	
RANGE(MAX-MIN)	-0.160	
MEAN	-0.095	
STANDARD DEVIATION	0.182	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hills, Barry

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.08	
ISMOP2-ISM OIL PAN	-0.17	
ISMRC1-ISM ROCKER COVER	0.06	
ISMRC2-ISM ROCKER COVER	-0.92	
VVDL-VALVE DECK SLUDGE L	-1.16	
VVDR-VALVE DECK SLUDGE R	0.25	
MAXIMUM	-1.16	
MINIMUM	0.06	
RANGE(MAX-MIN)	-1.220	
MEAN	-0.310	
STANDARD DEVIATION	0.586	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Hodgson, Joshua

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Jones, Christopher

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.09	
ISMOP2-ISM OIL PAN	-0.56	
ISMRC1-ISM ROCKER COVER	-0.17	
ISMRC2-ISM ROCKER COVER	-0.58	
VVDL-VALVE DECK SLUDGE L	0.17	
VVDR-VALVE DECK SLUDGE R	0.27	
MAXIMUM	-0.58	
MINIMUM	-0.09	
RANGE(MAX-MIN)	-0.490	
MEAN	-0.160	
STANDARD DEVIATION	0.356	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Langford, Mike

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.14	
ISMOP2-ISM OIL PAN	-0.09	
ISMRC1-ISM ROCKER COVER	-0.13	
ISMRC2-ISM ROCKER COVER	-0.09	
VVDL-VALVE DECK SLUDGE L	-0.90	
VVDR-VALVE DECK SLUDGE R	0.48	
MAXIMUM	-0.90	
MINIMUM	-0.09	
RANGE(MAX-MIN)	-0.810	
MEAN	-0.098	
STANDARD DEVIATION	0.455	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lonsway, Chris

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.33	
ISMRC1-ISM ROCKER COVER	-0.29	
ISMRC2-ISM ROCKER COVER	-0.30	
VVDL-VALVE DECK SLUDGE L	-0.63	
VVDR-VALVE DECK SLUDGE R	0.09	
MAXIMUM	-0.63	
MINIMUM	0.09	
RANGE(MAX-MIN)	-0.720	
MEAN	-0.278	
STANDARD DEVIATION	0.231	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lopez, Frank

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.37	
ISMOP2-ISM OIL PAN	0.53	
ISMRC1-ISM ROCKER COVER	0.22	
ISMRC2-ISM ROCKER COVER	-0.03	
VVDL-VALVE DECK SLUDGE L	0.43	
VVDR-VALVE DECK SLUDGE R	0.30	
MAXIMUM	0.53	
MINIMUM	-0.03	
RANGE(MAX-MIN)	0.560	
MEAN	0.303	
STANDARD DEVIATION	0.195	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Dongsheng

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Lu, Wentong

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	1.35	
ISMOP2-ISM OIL PAN	2.73	
ISMRC1-ISM ROCKER COVER	1.24	
ISMRC2-ISM ROCKER COVER	0.74	
VVDL-VALVE DECK SLUDGE L	1.83	
VVDR-VALVE DECK SLUDGE R	0.56	
MAXIMUM	2.73	
MINIMUM	0.56	
RANGE(MAX-MIN)	2.170	
MEAN	1.408	
STANDARD DEVIATION	0.790	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ma, Xiang

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	2.11	
ISMOP2-ISM OIL PAN	2.10	
ISMRC1-ISM ROCKER COVER	0.26	
ISMRC2-ISM ROCKER COVER	2.39	
VVDL-VALVE DECK SLUDGE L	1.57	
VVDR-VALVE DECK SLUDGE R	-1.33	
MAXIMUM	2.39	
MINIMUM	0.26	
RANGE(MAX-MIN)	2.130	
MEAN	1.183	
STANDARD DEVIATION	1.447	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= May, Marianne

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.84	
ISMOP2-ISM OIL PAN	-0.56	
ISMRC1-ISM ROCKER COVER	-0.13	
ISMRC2-ISM ROCKER COVER	-0.79	
VVDL-VALVE DECK SLUDGE L	-0.30	
VVDR-VALVE DECK SLUDGE R	0.21	
MAXIMUM	-0.84	
MINIMUM	-0.13	
RANGE(MAX-MIN)	-0.710	
MEAN	-0.402	
STANDARD DEVIATION	0.407	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Price, Gregory

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.15	
ISMOP2-ISM OIL PAN	-0.64	
ISMRC1-ISM ROCKER COVER	-0.33	
ISMRC2-ISM ROCKER COVER	-0.58	
VVDL-VALVE DECK SLUDGE L	-0.70	
VVDR-VALVE DECK SLUDGE R	-0.07	
MAXIMUM	-0.70	
MINIMUM	-0.07	
RANGE(MAX-MIN)	-0.630	
MEAN	-0.412	
STANDARD DEVIATION	0.267	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Ramirez, Ray

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Reese, Kyle

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Edward

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.72	
ISMRC1-ISM ROCKER COVER	0.02	
ISMRC2-ISM ROCKER COVER	-0.51	
VVDL-VALVE DECK SLUDGE L	-0.03	
VVDR-VALVE DECK SLUDGE R	0.11	
MAXIMUM	-0.72	
MINIMUM	0.02	
RANGE(MAX-MIN)	-0.740	
MEAN	-0.223	
STANDARD DEVIATION	0.328	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Sanchez, Arthur

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.09	
ISMOP2-ISM OIL PAN	-0.17	
ISMRC1-ISM ROCKER COVER	0.18	
ISMRC2-ISM ROCKER COVER	-0.58	
VVDL-VALVE DECK SLUDGE L	0.30	
VVDR-VALVE DECK SLUDGE R	0.23	
MAXIMUM	-0.58	
MINIMUM	-0.09	
RANGE(MAX-MIN)	-0.490	
MEAN	-0.022	
STANDARD DEVIATION	0.330	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Seiz, Ray

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-2.92	
ISMOP2-ISM OIL PAN	-1.42	
ISMRC1-ISM ROCKER COVER	-2.01	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	1.57	
VVDR-VALVE DECK SLUDGE R	0.38	
MAXIMUM	-2.92	
MINIMUM	-0.37	
RANGE(MAX-MIN)	-2.550	
MEAN	-0.795	
STANDARD DEVIATION	1.645	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Tang, Chuan

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN		
ISMOP2-ISM OIL PAN		
ISMRC1-ISM ROCKER COVER		
ISMRC2-ISM ROCKER COVER		
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM		
MINIMUM		
RANGE(MAX-MIN)		
MEAN		
STANDARD DEVIATION		

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Trevino, Robert

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.21	
ISMOP2-ISM OIL PAN	-0.64	
ISMRC1-ISM ROCKER COVER	-0.05	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-0.23	
VVDR-VALVE DECK SLUDGE R	0.13	
MAXIMUM	-0.64	
MINIMUM	-0.05	
RANGE(MAX-MIN)	-0.590	
MEAN	-0.228	
STANDARD DEVIATION	0.265	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.89	
ISMOP2-ISM OIL PAN	1.71	
ISMRC1-ISM ROCKER COVER	1.43	
ISMRC2-ISM ROCKER COVER	1.15	
VVDL-VALVE DECK SLUDGE L	2.43	
VVDR-VALVE DECK SLUDGE R	0.52	
MAXIMUM	2.43	
MINIMUM	0.52	
RANGE(MAX-MIN)	1.910	
MEAN	1.355	
STANDARD DEVIATION	0.670	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Veiga, Victor (Rerate)

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	0.66	
ISMOP2-ISM OIL PAN	-0.25	
ISMRC1-ISM ROCKER COVER	-1.78	
ISMRC2-ISM ROCKER COVER	-0.51	
VVDL-VALVE DECK SLUDGE L	-0.90	
VVDR-VALVE DECK SLUDGE R	0.38	
MAXIMUM	-1.78	
MINIMUM	-0.25	
RANGE(MAX-MIN)	-1.530	
MEAN	-0.400	
STANDARD DEVIATION	0.886	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Xu, Raphael

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.61	
ISMOP2-ISM OIL PAN	-0.95	
ISMRC1-ISM ROCKER COVER	-0.13	
ISMRC2-ISM ROCKER COVER	-0.37	
VVDL-VALVE DECK SLUDGE L	-1.23	
VVDR-VALVE DECK SLUDGE R	-0.44	
MAXIMUM	-1.23	
MINIMUM	-0.13	
RANGE(MAX-MIN)	-1.100	
MEAN	-0.622	
STANDARD DEVIATION	0.404	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= You, Dalong

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-0.15	
ISMOP2-ISM OIL PAN	-0.09	
ISMRC1-ISM ROCKER COVER	-0.02	
ISMRC2-ISM ROCKER COVER	-0.44	
VVDL-VALVE DECK SLUDGE L		
VVDR-VALVE DECK SLUDGE R		
MAXIMUM	-0.44	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-0.420	
MEAN	-0.175	
STANDARD DEVIATION	0.184	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Rater= Zalewski, John

YI Values

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

PartID	TOTALS	
ISMOP1-ISM OIL PAN	-2.87	
ISMOP2-ISM OIL PAN	-0.88	
ISMRC1-ISM ROCKER COVER	-3.46	
ISMRC2-ISM ROCKER COVER	-0.58	
VVDL-VALVE DECK SLUDGE L	0.37	
VVDR-VALVE DECK SLUDGE R	-0.28	
MAXIMUM	-3.46	
MINIMUM	-0.28	
RANGE(MAX-MIN)	-3.180	
MEAN	-1.283	
STANDARD DEVIATION	1.527	

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Demerit Piston Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Aguirre, Nancy P	14	77.9%	98.5%	100.0%	0.0%	0.74	WHITE	
Barrera, Tony	14	72.1%	98.5%	99.3%	0.7%	0.86	WHITE	
Castillo, George	7	80.9%	98.5%	98.5%	1.5%	0.78	RED	
DeCapite, Vanessa	14	62.5%	98.5%	100.0%	0.0%	0.93	WHITE	
Foecking, Brian	14	77.2%	97.8%	99.3%	0.7%	0.80	WHITE	
Kobrinetz, Joaquin J.	14	79.4%	99.3%	100.0%	0.0%	0.78	WHITE	
Lonsway, Chris	9	77.3%	100.0%	100.0%	0.0%	0.71	WHITE	
May, Marianne	14	81.6%	100.0%	100.0%	0.0%	0.75	RED	
Price, Gregory	14	75.7%	98.5%	100.0%	0.0%	0.84	WHITE	
Rodriguez, Jesus (Jesse)	14	69.1%	94.1%	97.8%	2.2%	0.96	WHITE	
Sanchez, Arthur	7	76.5%	97.1%	100.0%	0.0%	0.89	WHITE	
Trevino, Robert	9	87.1%	98.9%	100.0%	0.0%	0.71	BLUE	
Veiga, Victor	17	53.1%	86.4%	98.8%	1.2%	1.21	YELLOW	
Arrizon, Richard	6	53.3%	86.7%	95.0%	5.0%	1.38	YELLOW	
Bean, Janelle	14	65.4%	91.2%	98.5%	1.5%	1.09	WHITE	
Bolaney, Jonathan	11	72.2%	90.7%	100.0%	0.0%	1.11	WHITE	
Broff, Andy	14	36.0%	65.4%	79.4%	20.6%	3.63	YELLOW	
Cales, Jonathon	6	65.4%	94.2%	96.2%	3.9%	1.02	WHITE	
CHEN, JIONGJING	7	67.7%	95.4%	98.5%	1.5%	1.11	WHITE	
Clare, Jamie	10	63.5%	90.4%	97.1%	2.9%	1.17	WHITE	
De Armas, Raymond	9	36.9%	63.1%	72.6%	27.4%	3.82	YELLOW	
Dominguez, Lucio	9	73.0%	94.4%	98.9%	1.1%	1.06	WHITE	
Gao, Siyuan	7	20.6%	41.1%	52.1%	48.0%	7.85	YELLOW	
Greenland, Paul	11	61.7%	84.4%	93.0%	7.0%	1.41	YELLOW	
Hayden, Matthew	8	74.6%	98.5%	100.0%	0.0%	0.82	WHITE	
Hill, Howard P.	6	65.1%	87.3%	98.4%	1.6%	1.28	YELLOW	
Hills, Barry	11	68.6%	97.1%	100.0%	0.0%	0.98	WHITE	
Hodgson, Joshua	6	60.0%	96.0%	98.0%	2.0%	1.19	WHITE	
Jones, Christopher	7	61.3%	94.7%	97.3%	2.7%	0.98	WHITE	
Langford, Mike	10	63.8%	94.3%	98.1%	1.9%	1.06	WHITE	
Lopez, Frank	9	87.1%	95.7%	98.9%	1.1%	0.72	RED	
Lu, Dongsheng	6	69.0%	93.1%	94.8%	5.2%	1.03	WHITE	
Lu, Wentong	12	59.5%	88.9%	97.6%	2.4%	1.21	YELLOW	
Ma, Xiang	8	44.1%	70.2%	83.3%	16.7%	2.86	YELLOW	
Ramirez, Ray	9	54.3%	76.6%	87.2%	12.8%	2.49	YELLOW	
Reese, Kyle	10	62.9%	93.3%	98.1%	1.9%	1.13	WHITE	
Rodriguez, Edward	7	72.1%	95.6%	97.1%	2.9%	0.92	WHITE	
Seiz, Ray	14	55.2%	77.2%	88.2%	11.8%	1.85	YELLOW	
Tang, Chuan	8	63.2%	86.8%	92.1%	7.9%	1.63	YELLOW	
Veiga, Victor (Rerate)	12	66.7%	95.4%	100.0%	0.0%	1.00	WHITE	
Xu, Raphael	9	71.6%	92.6%	97.9%	2.1%	1.06	WHITE	
You, Dalong	10	70.2%	92.3%	98.1%	1.9%	1.07	WHITE	
Zalewski, John	14	48.5%	71.3%	80.2%	19.9%	2.46	YELLOW	

Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	26	60%
Red	6	80%	95%	0.85	3	7%
Blue	6	85%	98%	0.75	1	2%
Yellow	-	-	-	-	13	30%

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

C13 Ring Carbon

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Barrera, Tony	24	91.7%	100.0%	100.0%	0.0%	0.21	BLUE	
Castillo, George	36	88.9%	100.0%	100.0%	0.0%	0.59	BLUE	
DeCapite, Vanessa	24	87.5%	100.0%	100.0%	0.0%	0.55	BLUE	
Foecking, Brian	24	95.8%	100.0%	100.0%	0.0%	0.46	BLUE	
Kobrinetz, Joaquin J.	36	94.4%	100.0%	100.0%	0.0%	0.24	BLUE	
Lonsway, Chris	12	100.0%	100.0%	100.0%	0.0%	0.63	BLUE	
May, Marianne	24	83.3%	100.0%	100.0%	0.0%	0.32	RED	
Price, Gregory	24	91.7%	100.0%	100.0%	0.0%	0.53	BLUE	
Trevino, Robert	24	87.5%	100.0%	100.0%	0.0%	0.50	BLUE	
Bolaney, Jonathan	24	91.7%	100.0%	100.0%	0.0%	0.62	BLUE	
Broff, Andy	36	13.9%	47.2%	94.4%	5.6%	1.29	YELLOW	
De Armas, Raymond	36	50.0%	88.9%	100.0%	0.0%	0.64	YELLOW	
Dominguez, Lucio	12	66.7%	100.0%	100.0%	0.0%	0.85	WHITE	
Gao, Siyuan	24	70.8%	91.7%	100.0%	0.0%	0.89	WHITE	
Hayden, Matthew	36	86.1%	100.0%	100.0%	0.0%	0.67	BLUE	
Ma, Xiang	24	58.3%	100.0%	100.0%	0.0%	0.71	YELLOW	
Rodriguez, Edward	12	66.7%	100.0%	100.0%	0.0%	0.95	WHITE	
Seiz, Ray	24	95.8%	100.0%	100.0%	0.0%	0.61	BLUE	
Zalewski, John	36	30.6%	91.7%	97.2%	2.8%	0.86	YELLOW	

Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	3	16%
Red	6	80%	95%	0.85	1	5%
Blue	6	85%	98%	0.75	11	58%
Yellow	-	-	-	-	4	21%

HEAVY DUTY RATING WORKSHOP (October 2-6, 2017)

Sludge Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Aguirre, Nancy P	6	100.0%	100.0%	100.0%	0.0%	0.28	BLUE	
Barrera, Tony	6	100.0%	100.0%	100.0%	0.0%	0.30	BLUE	
Castillo, George	6	100.0%	100.0%	100.0%	0.0%	0.35	BLUE	
DeCapite, Vanessa	6	83.3%	100.0%	100.0%	0.0%	0.71	RED	
Foecking, Brian	6	100.0%	100.0%	100.0%	0.0%	0.30	BLUE	
Kobrinetz, Joaquin J.	6	100.0%	100.0%	100.0%	0.0%	0.36	BLUE	
Lonsway, Chris	6	100.0%	100.0%	100.0%	0.0%	0.23	BLUE	
May, Marianne	6	100.0%	100.0%	100.0%	0.0%	0.41	BLUE	
Price, Gregory	6	100.0%	100.0%	100.0%	0.0%	0.27	BLUE	
Rodriguez, Jesus (Jesse)	6	100.0%	100.0%	100.0%	0.0%	0.33	BLUE	
Sanchez, Arthur	6	100.0%	100.0%	100.0%	0.0%	0.33	BLUE	
Trevino, Robert	6	100.0%	100.0%	100.0%	0.0%	0.26	BLUE	
Veiga, Victor	6	33.3%	83.3%	100.0%	0.0%	0.67	YELLOW	
Bolaney, Jonathan	6	66.7%	100.0%	100.0%	0.0%	0.86	WHITE	
Broff, Andy	6	33.3%	66.7%	66.7%	33.3%	2.92	YELLOW	
Cales, Jonathon	6	100.0%	100.0%	100.0%	0.0%	0.39	BLUE	
Clare, Jamie	6	100.0%	100.0%	100.0%	0.0%	0.38	BLUE	
De Armas, Raymond	6	33.3%	50.0%	100.0%	0.0%	1.02	YELLOW	
Dominguez, Lucio	6	100.0%	100.0%	100.0%	0.0%	0.38	BLUE	
Gao, Siyuan	6	50.0%	100.0%	100.0%	0.0%	0.68	YELLOW	
Greenland, Paul	6	83.3%	100.0%	100.0%	0.0%	0.56	RED	
Hayden, Matthew	6	100.0%	100.0%	100.0%	0.0%	0.28	BLUE	
Hill, Howard P.	6	100.0%	100.0%	100.0%	0.0%	0.18	BLUE	
Hills, Barry	6	83.3%	100.0%	100.0%	0.0%	0.59	RED	
Langford, Mike	6	100.0%	100.0%	100.0%	0.0%	0.45	BLUE	
Lopez, Frank	6	100.0%	100.0%	100.0%	0.0%	0.20	BLUE	
Lu, Wentong	6	33.3%	83.3%	100.0%	0.0%	0.79	YELLOW	
Ma, Xiang	6	16.7%	50.0%	100.0%	0.0%	1.45	YELLOW	
Seiz, Ray	6	33.3%	66.7%	100.0%	0.0%	1.65	YELLOW	
Veiga, Victor (Rerate)	6	83.3%	100.0%	100.0%	0.0%	0.89	WHITE	
Xu, Raphael	6	83.3%	100.0%	100.0%	0.0%	0.40	RED	
You, Dalong	4	100.0%	100.0%	100.0%	0.0%	0.19	N/A	
Zalewski, John	6	66.7%	66.7%	83.3%	16.7%	1.53	YELLOW	

Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	2	6%
Red	6	80%	95%	0.85	4	12%
Blue	6	85%	98%	0.75	18	56%
Yellow	-	-	-	-	8	25%