



## Test Monitoring Center

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

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

October 7, 2019

To Participants of the ASTM International Heavy Duty Rating Workshop:

The ASTM International Heavy Duty Rating Workshop was held on September 30 – October 4, 2019, 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 September 30 – October 4, 2019, 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

## September 30, 2019 – October 4, 2019

San Antonio, Texas

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### **Monday, September 30, 2019**

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

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

For 2019, a group of raters who achieved “non-yellow” color codes at the 2018 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.

At 1:15 pm, the group began rating the workshop parts. After some discussion, the group agreed on a set of parts and locations to be rated as a “preliminary exercise,” before they embarked on rating all the workshop parts.

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

At 5:45pm, the group adjourned for the day.

### **Tuesday, October 1, 2019**

Rating of the workshop parts by the Session A raters continued all day, with a break for lunch at 12:00pm. The room was opened at 5:50am and closed at 6:20pm for the day.

### **Wednesday, October 2, 2019**

The room was opened for rating at 6:00am and the Session A group finished rating the workshop parts.

At 8:010am, Session B of the workshop began with 20 raters in attendance, and one temporarily absent due to illness (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 2019 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 11:45am, the Session A raters concluded their data review.

At 11:50am, both groups adjourned for lunch.

# Heavy Duty Rating Workshop

## September 30, 2019 – October 4, 2019

San Antonio, Texas

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At 12:30pm, 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 6:05pm, with some raters receiving additional training, as the need for training was identified by the workshop data.

### **Thursday, October 3, 2019**

Rating of the workshop parts by the Session B raters continued all day, with a break for lunch at 11:45am. The room was opened at 6:00am and closed at 5:20pm for the day, with some raters receiving additional training, as the need for it was identified by the workshop data.

### **Friday, October 4, 2019**

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 10:00am. The final data review was completed at 11:10am and the workshop adjourned.

## **Discussions**

### **Use of LED Lighting in Rating**

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

### **Undercrown Rating**

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

### **Bracketed Ratings**

The workshop used several types of pistons that are run in ASTM Standard Test Methods, and these Test Methods specify that some locations of these pistons should be rated using "bracketed" rating techniques. For the workshop, these locations were evaluated using bracketed ratings. Based upon discussions at the data reviews, consideration will be given to dropping bracketed ratings at future heavy duty workshops.

# Heavy Duty Rating Workshop

September 30, 2019 – October 4, 2019  
San Antonio, Texas

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## **Future Workshops**

The next Light Duty Rating Workshop will be held on May 4 – 8, 2020.

The next Heavy Duty Rating Workshop will be held on September 28 – October 2, 2020.

Both workshops will be held at this same location.

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

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

Heavy Duty Rating Workshop 2019 – Session A

Sign-In Sheet

Aguirre, Nancy P	<i>Nancy P Aguirre</i>
Barrera, Tony	<i>Tony C Barrera</i>
DeCapite, Vanessa	<i>Vanessa DeCapite</i>
Dominguez, Lucio	<i>Lucio Dominguez</i>
Foecking, Brian	<i>Brian Foecking</i>
Kobrinetz, Joaquin J.	<i>Joaquin J Kobrinetz</i>
Lopez, Frank	<i>Frank Lopez</i>
Price, Gregory	<i>Gregory Price</i>
Rodriguez, Edward	<i>Edward Rodriguez</i>
Rodriguez, Jesus (Jesse)	<i>Jesse Rodriguez</i>
Sanchez, Arthur	<i>Arthur Sanchez</i>
Sanchez, Christopher	<i>Christopher Sanchez</i>
Trevino, Robert	<i>Robert Trevino</i>

Heavy Duty Rating Workshop 2019 – Session A

Sign-In Sheet

Aguirre, Nancy P

*Nancy P. Aguirre*

Barrera, Tony

*Tony C. Barrera*

DeCapite, Vanessa

*Vanessa DeCapite*

Dominguez, Lucio

*Lucio Dominguez*

Foecking, Brian

*Brian Foecking*

Kobrinetz, Joaquin J.

*Joaquin J. Kobrinetz*

Lopez, Frank

*Frank Lopez*

Price, Gregory

*Gregory Price*

Rodriguez, Edward

*Edward Rodriguez*

Rodriguez, Jesus (Jesse)

*Jesus Rodriguez*

Sanchez, Arthur

*Arthur Sanchez*

Sanchez, Christopher

*Christopher Sanchez*

Trevino, Robert

*Robert Trevino*

Heavy Duty Rating Workshop 2019 – Session A

Sign-In Sheet

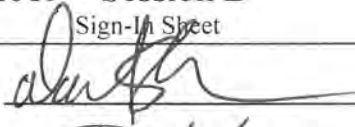
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Barrera, Tony	<i>Tony Barrera</i>
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Dominguez, Lucio	<i>Lucio Dominguez</i>
Foecking, Brian	<i>Brian Foecking</i>
Kobrinetz, Joaquin J.	<i>Joaquin Kobrinetz</i>
Lopez, Frank	<i>Frank Lopez</i>
Price, Gregory	<i>Gregory Price</i>
Rodriguez, Edward	<i>Edward Rodriguez</i>
Rodriguez, Jesus (Jesse)	<i>Jesse Rodriguez</i>
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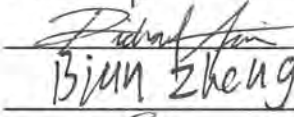
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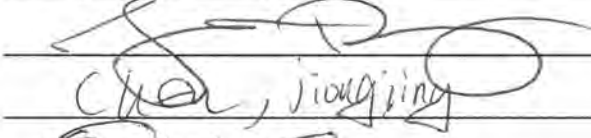
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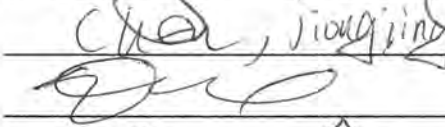
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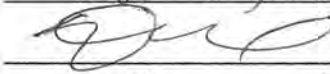
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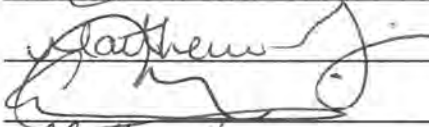
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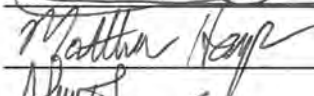
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Demel, Samuel



Garcia, Matthew



Groenewoud, Marc



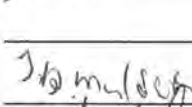
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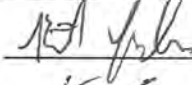
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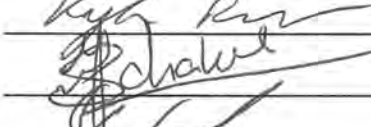
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Langford, Mike



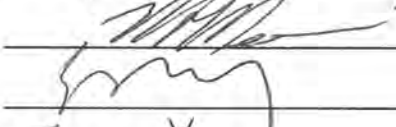
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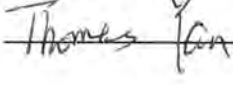
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Reese, Kyle



Schakel, J.J.



Seeck, Christian



Terrado, Ken



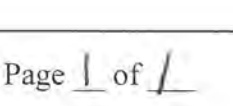
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Xu, Raphael



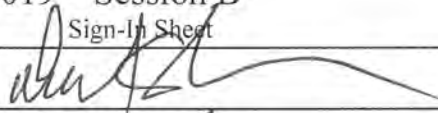
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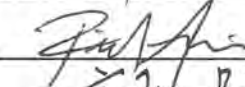
Heavy Duty Rating Workshop 2019 – Session B

Sign-In Sheet

Anderson, Dan



Arrizon, Richard



Bian, Zheng

112 Bian Zheng

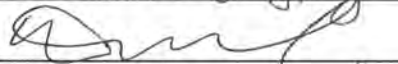
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Groenewoud, Marc

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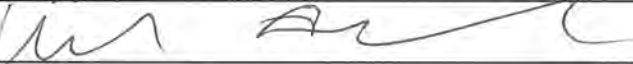
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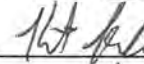
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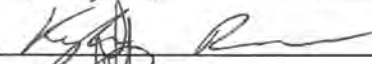
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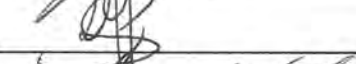
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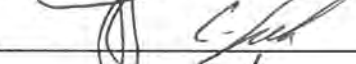
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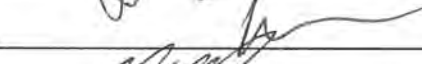
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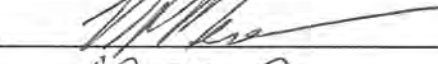
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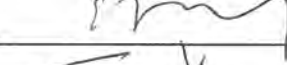
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Xu, Raphael



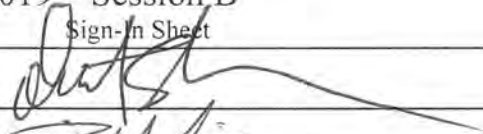
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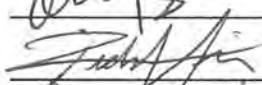
Heavy Duty Rating Workshop 2019 – Session B

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Anderson, Dan



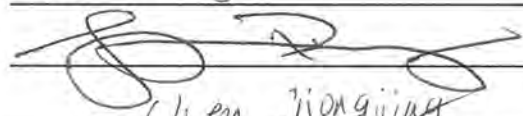
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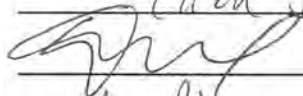
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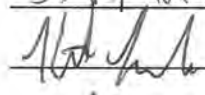
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J.A. Mulder

Ragsdale, Kirt



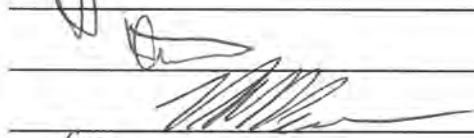
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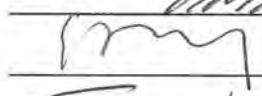
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Terrado, Ken



Veiga, Victor

Xu, Raphael



Yan, Thomas

Thomas Yan

## Welcome to the Heavy Duty Rating Workshop

- Please sign in and pick up your rating scales packet.
- Rating Worksheets are on a table in the room.



## Heavy Duty Rating Workshop

October 2019



## 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 “workshop2019”
- The wireless network password is “calibration”
- 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 2019

- This group will set all targets used in the 2019 Heavy Duty Rating Workshop.
- You are encouraged to rate all the parts.
- Parts are assigned to you, if you cannot complete all the parts in the workshop.



Heavy Duty Rating Workshop  
Data Entry Network

<http://192.168.1.108/>



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## Heavy Duty Rating Workshop

October 2019





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## Rating Manuals

ASTM Headquarters supplies:

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

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

ASTM Deposit Rating Manual 20

Search



## 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
  - ISM Rocker Cover
  - ISM Oil Pan
  - Various Sequence V sludge parts



## Workshop Format (Continued)

- Data Review & Discussion



## Parts Assignments

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



## Parts Assignments (cont.)

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



## 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.



## “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.



## 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.



## 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.
- Gauged sludge locations and ratings will be noted on the sign for that part.



## Carbon (Page 19)

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



## Manual 20 Carbon Levels

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

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



## Groove Deposit Review

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



## Groove Deposit Review

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



## Groove Deposit Review

- 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.
  - 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/>



# Welcome!

» Heavy Duty Rating Workshop  
September 30, 2019 to October 4, 2019  
San Antonio, TX

Test Monitoring Center  
<http://testcenter.ams.edu>



## Please Sign In

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

Test Monitoring Center  
<http://testcenter.ams.edu>



## Work Environment

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



Test Monitoring Center  
<http://testcenter.amsr.edu>



## Data Entry Server Info

- ▶ WiFi Network:
  - [workshop2019](#)
- ▶ WiFi Network Password:
  - [calibration](#)
- ▶ Web Address:
  - <http://192.168.1.108>

Test Monitoring Center  
<http://testcenter.amsr.edu>



## Data Entry Server Info

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

## ! IMPORTANT !

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

## Help is Available

- ▶ Computer / Network / Equipment Issues
  - TMC Personnel
- ▶ Rating Issues / Questions
  - Rating Advisor
    - Look someone with the red badge lanyard



Test Monitoring Center  
<http://testcenter.ams.edu>



## Data Entry Screening

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



Test Monitoring Center  
<http://testcenter.ams.edu>



## Flagged Part – Rating Advising

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

## Flagged Part – Rating Advising

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

## Do's and Don'ts

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

## Do's and Don'ts

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





**A Program of ASTM International**



Heavy Duty Rating Workshop 2019

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

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

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

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

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 (Sept.30-Oct.4 2019)

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	26.50	23.61	1.92	1.39	1.07	24.31	2.08	5.00	7.00	0.00
Aguirre, Nancy P (rerate)	26.50	23.61	1.92	1.39	1.07	24.31	2.08	5.00	7.00	0.00
Barrera, Tony	25.00	24.40	1.82	1.12	3.37	25.43	2.27	8.00	20.00	0.00
Bian, Zheng	26.00	24.94	2.33	0.91	1.31	25.12	2.45	7.00	20.00	0.00
Bolaney, Jonathan	26.25	25.62	2.40	1.03	1.83	24.16	2.54	8.00	12.00	0.00
DeCapite, Vanessa	26.25	24.03	2.55	0.16	2.30	26.80	3.08	6.00	8.00	0.00
Demel, Samuel	25.75	24.92	1.37	0.35	2.89	25.56	1.87	8.00	9.00	0.00
Garcia, Matthew	25.79	23.50	2.04	0.58	3.28	25.75	2.31	5.00	12.00	0.00
Hayden, Matthew	26.00	24.00	2.24	0.69	2.37	24.40	2.93	6.00	17.00	0.00
hidayat, mohammad rachman	25.75	23.55	1.69	0.96	2.89	24.60	1.52	8.00	17.00	0.00
Kobrinetz, Joaquin J.	25.50	25.47	1.92	0.80	2.60	23.85	2.16	8.00	34.00	0.00
Langford, Mike	26.00	23.63	2.06	0.30	4.10	25.36	3.38	8.00	9.00	0.00
Lopez, Frank	25.50	23.90	1.81	1.09	4.54	25.40	2.28	5.00	20.00	0.00
Reese, Kyle	26.25	22.90	2.13	0.47	2.59	26.35	2.25	10.00	9.00	0.00
Rodriguez, Edward	25.50	23.49	2.50	0.93	2.61	25.32	2.04	5.00	18.00	0.00
Rodriguez, Jesus (Jesse)	26.00	24.39	2.49	1.09	2.25	24.31	1.63	4.00	12.00	0.00
Sanchez, Arthur	29.25	28.11	2.34	0.81	3.75	24.62	2.13	10.00	22.00	0.00
Sanchez, Arthur (rerate)	29.25	28.11	2.34	0.81	3.75	24.62	2.13	10.00	22.00	0.00
Sanchez, Christopher	25.75	23.53	2.38	0.96	2.88	24.10	2.41	10.00	21.00	0.00
Schakel, J.J.	96.00	22.90	2.65	1.01	2.82	39.34	2.49	0.00	0.00	0.00
Seeck, Christian	40.25	26.74	1.53	0.48	0.97	23.91	2.03	11.00	32.00	0.00
Terrado, Ken	26.00	23.98	1.99	1.04	0.98	25.72	1.50	8.00	15.00	0.00
Trevino, Robert	25.75	23.07	1.91	0.92	2.71	25.09	2.37	8.00	20.00	0.00
MAXIMUM	26.50	28.11	2.55	1.39	4.54	26.80	3.08	10.00	34.00	0.00
MINIMUM	25.00	23.07	1.81	0.16	1.07	23.85	1.63	4.00	7.00	0.00
RANGE(MAX-MIN)	1.500	5.040	0.740	1.230	3.470	2.950	1.450	6.000	27.000	0.000
MEAN	25.750	24.400	2.164	0.927	2.808	24.923	2.245	6.900	18.200	0.000
STANDARD DEVIATION	0.451	1.463	0.311	0.320	0.936	0.873	0.367	2.183	7.815	0.100
N SIZE	23.000									

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.66	-0.54	-0.78	1.45	-1.86	-0.70	-0.45	-0.87	-1.43	0.00
Aguirre, Nancy P (rerate)	1.66	-0.54	-0.78	1.45	-1.86	-0.70	-0.45	-0.87	-1.43	0.00
Barrera, Tony	-1.66	0.00	-1.10	0.60	0.60	0.58	0.07	0.50	0.23	0.00
Bian, Zheng	0.55	0.37	0.53	-0.05	-1.60	0.23	0.56	0.05	0.23	0.00
Bolaney, Jonathan	1.11	0.83	0.76	0.32	-1.04	-0.87	0.80	0.50	-0.79	0.00
DeCapite, Vanessa	1.11	-0.25	1.24	-2.39	-0.54	2.15	2.28	-0.41	-1.31	0.00
Demel, Samuel	0.00	0.36	-2.55	-1.80	0.09	0.73	-1.02	0.50	-1.18	0.00
Garcia, Matthew	0.09	-0.62	-0.40	-1.08	0.50	0.95	0.18	-0.87	-0.79	0.00
Hayden, Matthew	0.55	-0.27	0.24	-0.74	-0.47	-0.60	1.87	-0.41	-0.15	0.00
hidayat, mohammad rachman	0.00	-0.58	-1.52	0.10	0.09	-0.37	-1.98	0.50	-0.15	0.00
Kobrinetz, Joaquin J.	-0.55	0.73	-0.78	-0.40	-0.22	-1.23	-0.23	0.50	2.02	0.00
Langford, Mike	0.55	-0.53	-0.33	-1.96	1.38	0.50	3.10	0.50	-1.18	0.00
Lopez, Frank	-0.55	-0.34	-1.14	0.51	1.85	0.55	0.10	-0.87	0.23	0.00
Reese, Kyle	1.11	-1.03	-0.11	-1.43	-0.23	1.63	0.01	1.42	-1.18	0.00
Rodriguez, Edward	-0.55	-0.62	1.08	0.01	-0.21	0.45	-0.56	-0.87	-0.03	0.00
Rodriguez, Jesus (Jesse)	0.55	-0.01	1.05	0.51	-0.60	-0.70	-1.68	-1.33	-0.79	0.00
Sanchez, Arthur	7.77	2.54	0.57	-0.37	1.01	-0.35	-0.31	1.42	0.49	0.00
Sanchez, Arthur (rerate)	7.77	2.54	0.57	-0.37	1.01	-0.35	-0.31	1.42	0.49	0.00
Sanchez, Christopher	0.00	-0.59	0.69	0.10	0.08	-0.94	0.45	1.42	0.36	0.00
Schakel, J.J.	155.87	-1.03	1.56	0.26	0.01	16.47	0.67	-3.16	-2.33	0.00
Seeck, Christian	32.47	1.60	-2.04	-1.40	-1.96	-1.16	-0.59	1.88	1.77	0.00
Terrado, Ken	0.55	-0.29	-0.56	0.35	-1.95	0.91	-2.03	0.50	-0.41	0.00
Trevino, Robert	0.00	-0.91	-0.82	-0.02	-0.10	0.19	0.34	0.50	0.23	0.00
MAXIMUM	1.66	2.54	1.24	-2.39	-1.86	2.15	2.28	1.42	2.02	0.00
MINIMUM	0.00	0.00	0.57	0.01	0.08	0.19	0.07	-0.41	-0.03	0.00
RANGE(MAX-MIN)	1.664	2.535	0.674	-2.403	-1.933	1.958	2.209	1.832	2.048	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	23.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	27.75	25.00	1.05	0.75	1.41	23.44	5.42	5.00	6.00	0.00
Aguirre, Nancy P (rerate)	27.75	25.00	1.05	0.75	1.41	23.44	5.42	5.00	6.00	0.00
Anderson, Dan	29.25	25.00	0.73	0.50	4.76	23.33	6.18	7.00	5.00	0.00
Barrera, Tony	25.75	25.00	1.59	0.69	4.47	24.51	6.36	12.00	20.00	0.00
Bian, Zheng	30.50	24.81	1.06	0.40	2.12	24.52	6.36	17.00	20.00	0.00
Bolaney, Jonathan	28.00	25.00	0.55	0.31	3.22	23.86	6.11	12.00	22.00	0.00
DeCapite, Vanessa	26.25	25.00	1.03	0.22	2.69	26.17	6.70	7.00	11.00	0.00
Demel, Samuel	28.00	30.25	0.94	0.61	3.54	26.65	3.56	11.00	13.00	0.00
Garcia, Matthew	26.25	25.00	1.55	0.57	5.52	26.83	5.50	13.00	10.00	0.00
Hayden, Matthew	27.25	25.00	0.96	0.40	2.93	24.20	5.72	10.00	5.00	0.00
hidayat, mohammad rachman	27.75	25.00	0.87	0.54	3.97	23.80	5.59	11.00	7.00	0.00
Kobrinetz, Joaquin J.	27.25	24.83	0.91	0.26	2.70	23.74	6.31	10.00	22.00	0.00
Langford, Mike	26.75	27.25	0.86	0.19	3.14	25.95	6.75	9.00	12.00	0.00
Lopez, Frank	26.25	25.00	1.31	0.45	4.29	23.81	6.60	20.00	21.00	0.00
Mulder, Jeroen	29.25	24.84	1.04	0.60	4.58	23.55	6.95	10.00	15.00	0.00
Reese, Kyle	27.75	32.50	1.16	0.33	4.06	23.17	6.96	13.00	15.00	0.00
Rodriguez, Edward	26.75	25.00	1.36	0.55	3.98	25.38	6.38	12.00	50.00	0.00
Rodriguez, Jesus (Jesse)	26.00	25.00	0.71	0.51	2.55	23.58	5.77	4.00	10.00	0.00
Sanchez, Arthur	29.50	28.75	1.45	0.51	5.68	26.63	7.39	17.00	24.00	0.00
Sanchez, Arthur (rerate)	29.50	25.00	1.45	0.51	5.68	26.63	7.39	17.00	24.00	0.00
Sanchez, Christopher	31.50	25.00	1.18	0.41	6.94	25.49	6.29	13.00	20.00	0.00
Schakel, J.J.	29.50	25.00	1.14	0.78	1.92	55.64	6.83	0.00	0.00	0.00
Seeck, Christian	47.25	25.00	0.63	0.09	1.63	23.86	5.80	24.00	39.00	0.00
Terrado, Ken	28.50	25.00	1.05	0.45	4.07	24.68	6.18	15.00	19.00	0.00
Trevino, Robert	29.00	25.00	1.13	0.41	3.67	26.47	5.84	10.00	18.00	0.00
MAXIMUM	31.50	25.00	1.59	0.75	6.94	26.63	7.39	20.00	50.00	0.00
MINIMUM	25.75	24.83	0.71	0.22	1.41	23.44	5.42	4.00	6.00	0.00
RANGE(MAX-MIN)	5.750	0.170	0.880	0.530	5.530	3.190	1.970	16.000	44.000	0.000
MEAN	27.600	24.981	1.172	0.476	3.838	24.922	6.306	11.000	20.200	0.000
STANDARD DEVIATION	1.864	0.100	0.264	0.167	1.627	1.256	0.549	5.011	12.026	0.100
N SIZE	25.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.08	0.19	-0.46	1.64	-1.49	-1.18	-1.61	-1.20	-1.18	0.00
Aguirre, Nancy P (rerate)	0.08	0.19	-0.46	1.64	-1.49	-1.18	-1.61	-1.20	-1.18	0.00
Anderson, Dan	0.89	0.19	-1.68	0.14	0.57	-1.27	-0.23	-0.80	-1.26	0.00
Barrera, Tony	-0.99	0.19	1.59	1.28	0.39	-0.33	0.10	0.20	-0.02	0.00
Bian, Zheng	1.56	-1.71	-0.42	-0.46	-1.06	-0.32	0.10	1.20	-0.02	0.00
Bolaney, Jonathan	0.21	0.19	-2.36	-1.00	-0.38	-0.85	-0.36	0.20	0.15	0.00
DeCapite, Vanessa	-0.72	0.19	-0.54	-1.54	-0.71	0.99	0.72	-0.80	-0.77	0.00
Demel, Samuel	0.21	52.69	-0.88	0.80	-0.18	1.38	-5.00	0.00	-0.60	0.00
Garcia, Matthew	-0.72	0.19	1.43	0.56	1.03	1.52	-1.47	0.40	-0.85	0.00
Hayden, Matthew	-0.19	0.19	-0.80	-0.46	-0.56	-0.57	-1.07	-0.20	-1.26	0.00
hidayat, mohammad rachman	0.08	0.19	-1.15	0.38	0.08	-0.89	-1.30	0.00	-1.10	0.00
Kobrinetz, Joaquin J.	-0.19	-1.51	-0.99	-1.30	-0.70	-0.94	0.01	-0.20	0.15	0.00
Langford, Mike	-0.46	22.69	-1.18	-1.72	-0.43	0.82	0.81	-0.40	-0.68	0.00
Lopez, Frank	-0.72	0.19	0.52	-0.16	0.28	-0.89	0.54	1.80	0.07	0.00
Mulder, Jeroen	0.89	-1.41	-0.50	0.74	0.46	-1.09	1.17	-0.20	-0.43	0.00
Reese, Kyle	0.08	75.19	-0.05	-0.88	0.14	-1.39	1.19	0.40	-0.43	0.00
Rodriguez, Edward	-0.46	0.19	0.71	0.44	0.09	0.36	0.13	0.20	2.48	0.00
Rodriguez, Jesus (Jesse)	-0.86	0.19	-1.75	0.20	-0.79	-1.07	-0.98	-1.40	-0.85	0.00
Sanchez, Arthur	1.02	37.69	1.05	0.20	1.13	1.36	1.97	1.20	0.32	0.00
Sanchez, Arthur (rerate)	1.02	0.19	1.05	0.20	1.13	1.36	1.97	1.20	0.32	0.00
Sanchez, Christopher	2.09	0.19	0.03	-0.40	1.91	0.45	-0.03	0.40	-0.02	0.00
Schakel, J.J.	1.02	0.19	-0.12	1.82	-1.18	24.43	0.95	-2.20	-1.68	0.00
Seeck, Christian	10.54	0.19	-2.06	-2.31	-1.36	-0.85	-0.92	2.59	1.56	0.00
Terrado, Ken	0.48	0.19	-0.46	-0.16	0.14	-0.19	-0.23	0.80	-0.10	0.00
Trevino, Robert	0.75	0.19	-0.16	-0.40	-0.10	1.23	-0.85	-0.20	-0.18	0.00
MAXIMUM	2.09	-1.51	-1.75	1.64	1.91	1.36	1.97	1.80	2.48	0.00
MINIMUM	0.08	0.19	0.03	-0.16	0.09	-0.33	0.01	0.20	-0.02	0.00
RANGE(MAX-MIN)	2.012	-1.700	-1.783	1.799	1.819	1.688	1.966	1.596	2.495	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	0.567	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	25,000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= A3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	28.00	32.50	1.10	0.55	2.33	27.12	1.03	7.00	13.00	0.00
Aguirre, Nancy P (rerate)	28.00	32.50	1.10	0.55	2.33	27.12	1.03	7.00	13.00	0.00
Barrera, Tony	25.00	31.75	1.01	0.40	4.23	37.09	1.32	9.00	38.00	0.00
Bian, Zheng	27.50	36.03	0.68	0.26	3.11	37.73	1.49	15.00	39.00	0.00
Bolaney, Jonathan	27.00	40.00	0.32	0.38	3.01	27.52	0.78	10.00	60.00	0.00
DeCapite, Vanessa	27.50	37.00	0.53	0.29	3.97	36.31	1.28	34.00	41.00	0.00
Demel, Samuel	29.75	38.50	0.82	0.42	4.58	36.97	1.01	7.00	37.00	0.00
Dominguez, Lucio	26.25	34.00	1.22	0.63	3.94	41.65	1.34	9.00	17.00	0.00
Garcia, Matthew	27.50	37.75	1.10	0.17	2.43	27.31	1.18	12.00	20.00	0.00
Hayden, Matthew	30.00	27.25	0.54	0.40	8.58	30.27	0.79	11.00	20.00	0.00
hidayat, mohammad rachman	26.75	41.50	1.28	0.42	6.57	36.49	0.78	10.00	38.00	0.00
Kobrinetz, Joaquin J.	27.25	41.50	0.82	0.29	4.72	32.72	0.94	13.00	58.00	0.00
Langford, Mike	28.50	37.75	0.93	0.33	5.93	37.06	1.13	7.00	30.00	0.00
Lopez, Frank	26.00	37.75	1.14	0.50	5.09	35.43	1.53	20.00	41.00	0.00
Reese, Kyle	28.75	38.50	0.90	0.28	5.47	40.39	1.69	7.00	38.00	0.00
Rodriguez, Edward	25.75	28.00	1.08	1.06	3.73	31.39	0.89	8.00	50.00	0.00
Rodriguez, Jesus (Jesse)	29.50	31.00	0.74	0.48	3.08	27.14	1.36	18.00	30.00	0.00
Sanchez, Arthur	30.25	43.75	1.28	0.57	6.87	29.83	0.67	18.00	58.00	0.00
Sanchez, Arthur (rerate)	30.25	43.75	1.28	0.57	6.87	29.83	0.67	18.00	58.00	0.00
Sanchez, Christopher	30.00	37.75	1.05	0.34	5.14	33.54	1.26	14.00	40.00	0.00
Schakel, J.J.	29.75	37.00	1.44	0.43	2.09	66.64	1.58	0.00	0.00	0.00
Seeck, Christian	49.50	46.00	0.26	0.09	3.02	45.26	0.59	20.00	64.00	0.00
Terrado, Ken	28.75	29.50	0.63	0.20	2.71	29.50	0.95	10.00	16.00	0.00
Trevino, Robert	29.00	37.75	1.05	0.54	4.96	32.99	1.14	14.00	42.00	0.00
Veiga, Victor	27.00	35.50	0.64	0.58	3.02	28.71	0.93	18.00	20.00	0.00
MAXIMUM	30.25	43.75	1.28	1.06	6.87	41.65	1.53	34.00	58.00	0.00
MINIMUM	25.00	28.00	0.53	0.29	2.33	27.12	0.67	7.00	13.00	0.00
RANGE(MAX-MIN)	5.250	15.750	0.750	0.770	4.540	14.530	0.860	27.000	45.000	0.000
MEAN	27.682	35.705	1.002	0.514	4.369	33.201	1.160	14.909	38.909	0.000
STANDARD DEVIATION	1.820	4.721	0.221	0.215	1.201	4.358	0.253	7.713	14.501	0.100
N SIZE	25.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.17	-0.68	0.44	0.17	-1.70	-1.40	-0.51	-1.03	-1.79	0.00
Aguirre, Nancy P (rerate)	0.17	-0.68	0.44	0.17	-1.70	-1.40	-0.51	-1.03	-1.79	0.00
Barrera, Tony	-1.47	-0.84	0.04	-0.53	-0.12	0.89	0.63	-0.77	-0.06	0.00
Bian, Zheng	-0.10	0.07	-1.46	-1.18	-1.05	1.04	1.31	0.01	0.01	0.00
Bolaney, Jonathan	-0.37	0.91	-3.08	-0.62	-1.13	-1.30	-1.50	-0.64	1.45	0.00
DeCapite, Vanessa	-0.10	0.27	-2.13	-1.04	-0.33	0.71	0.48	2.48	0.14	0.00
Demel, Samuel	1.14	0.59	-0.82	-0.44	0.18	0.86	-0.59	-1.03	-0.13	0.00
Dominguez, Lucio	-0.79	-0.36	0.99	0.54	-0.36	1.94	0.71	-0.77	-1.51	0.00
Garcia, Matthew	-0.10	0.43	0.44	-1.60	-1.61	-1.35	0.08	-0.38	-1.30	0.00
Hayden, Matthew	1.27	-1.79	-2.09	-0.53	3.54	-0.67	-1.46	-0.51	-1.30	0.00
hidayat, mohammad rachman	-0.51	1.23	1.26	-0.44	1.83	0.75	-1.50	-0.64	-0.06	0.00
Kobrinetz, Joaquin J.	-0.24	1.23	-0.82	-1.04	0.29	-0.11	-0.87	-0.25	1.32	0.00
Langford, Mike	0.45	0.43	-0.32	-0.85	1.30	0.89	-0.12	-1.03	-0.61	0.00
Lopez, Frank	-0.92	0.43	0.63	-0.06	0.60	0.51	1.46	0.66	0.14	0.00
Reese, Kyle	0.59	0.59	-0.46	-1.09	0.92	1.65	2.10	-1.03	-0.06	0.00
Rodriguez, Edward	-1.06	-1.63	0.35	2.54	-0.53	-0.42	-1.07	-0.90	0.76	0.00
Rodriguez, Jesus (Jesse)	1.00	-1.00	-1.18	-0.16	-1.07	-1.39	0.79	0.40	-0.61	0.00
Sanchez, Arthur	1.41	1.70	1.26	0.26	2.08	-0.77	-1.94	0.40	1.32	0.00
Sanchez, Arthur (rerate)	1.41	1.70	1.26	0.26	2.08	-0.77	-1.94	0.40	1.32	0.00
Sanchez, Christopher	1.27	0.43	0.22	-0.81	0.64	0.08	0.40	-0.12	0.08	0.00
Schakel, J.J.	1.14	0.27	1.98	-0.39	-1.90	7.67	1.66	-1.93	-2.68	0.00
Seeck, Christian	11.99	2.18	-3.36	-1.97	-1.12	2.77	-2.26	0.66	1.73	0.00
Terrado, Ken	0.59	-1.31	-1.68	-1.46	-1.38	-0.85	-0.83	-0.64	-1.58	0.00
Trevino, Robert	0.72	0.43	0.22	0.12	0.49	-0.05	-0.08	-0.12	0.21	0.00
Veiga, Victor	-0.37	-0.04	-1.64	0.31	-1.12	-1.03	-0.91	0.40	-1.30	0.00
MAXIMUM	-1.47	1.70	-2.13	2.54	2.08	1.94	-1.94	2.48	-1.79	0.00
MINIMUM	-0.10	0.27	0.04	-0.06	-0.12	-0.05	-0.08	-0.12	-0.06	0.00
RANGE(MAX-MIN)	-1.373	1.430	-2.171	2.606	2.198	1.987	-1.861	2.593	-1.724	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 (Sept.30-Oct.4 2019)

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	61.51	9.02	4.18	9.46	24.65	16.74	1.50	61.00	1.00	1.00	19.00
Aguirre, Nancy P (rerate)	61.51	9.02	4.18	9.46	24.65	16.74	1.50	61.00	1.00	1.00	19.00
Anderson, Dan	65.50	6.95	4.50	7.85	28.49	20.30	1.50	60.00	1.00	1.00	44.00
Barrera, Tony	62.50	9.83	6.46	11.21	32.32	14.40	4.50	59.00	2.00	1.00	27.00
Bian, Zheng	64.86	8.27	6.24	9.88	30.27	12.83	1.78	50.00	1.00	1.00	34.00
DeCapite, Vanessa	55.00	13.74	4.96	8.90	36.49	18.11	1.50	56.00	1.00	1.00	40.00
Demel, Samuel	57.06	9.41	3.34	8.69	29.35	16.91	1.50	50.00	2.00	1.00	52.00
Garcia, Matthew	48.00	8.03	4.66	10.07	31.49	18.55	1.50	49.00	1.00	1.00	46.00
hidayat, mohammad rachman	57.25	8.47	2.40	11.62	32.65	13.39	2.10	40.00	1.00	1.00	40.00
Kobrinetz, Joaquin J.	58.75	7.23	3.87	11.24	28.99	17.39	1.47	61.00	1.00	1.00	42.00
Langford, Mike	58.25	10.47	4.20	9.95	29.08	15.15	1.50	48.00	4.00	3.00	40.00
Lopez, Frank	51.25	12.13	3.54	11.84	29.90	20.45	1.50	48.00	1.00	1.00	29.00
Mulder, Jeroen	63.50	8.70	4.80	8.11	28.49	13.73	1.54	40.00	1.00	1.00	40.00
Reese, Kyle	55.50	11.03	6.30	7.55	31.87	14.45	1.50	42.00	9.00	1.00	65.00
Rodriguez, Edward	38.83	8.43	5.58	10.76	30.66	12.16	1.50	50.00	1.00	0.00	0.00
Rodriguez, Jesus (Jesse)	54.50	11.29	6.36	9.41	28.22	15.79	2.10	27.00	1.00	1.00	8.00
Sanchez, Arthur	65.50	9.67	3.46	9.74	32.16	13.74	1.50	59.00	1.00	1.00	33.00
Sanchez, Arthur (rerate)	65.50	9.67	3.46	9.74	32.16	13.74	1.50	59.00	1.00	1.00	33.00
Sanchez, Christopher	60.00	8.55	3.45	10.50	31.96	12.87	1.78	57.00	1.00	0.00	37.00
Schakel, J.J.	83.50	9.86	2.74	8.00	90.25	12.69	1.50	9.00	0.00	0.00	0.00
Seeck, Christian	60.25	11.95	3.13	9.55	34.00	12.98	1.50	61.00	1.00	0.00	52.00
Terrado, Ken	49.50	6.07	5.98	9.84	27.25	12.70	1.62	57.00	1.00	0.00	35.00
Trevino, Robert	57.60	8.65	2.94	11.46	32.65	14.46	2.04	57.00	1.00	0.00	35.00
MAXIMUM	65.50	13.74	6.46	11.84	36.49	20.45	2.10	61.00	1.00	1.00	42.00
MINIMUM	38.83	7.23	2.94	8.90	24.65	12.16	1.47	27.00	1.00	0.00	0.00
RANGE(MAX-MIN)	26.670	6.510	3.520	2.940	11.840	8.290	0.630	34.000	0.000	1.000	42.000
MEAN	56.544	9.854	4.480	10.452	30.800	15.611	1.654	53.500	1.000	0.700	27.000
STANDARD DEVIATION	7.503	1.976	1.279	1.012	3.160	2.579	0.254	10.266	0.100	0.483	13.952
N SIZE	23.000										



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.66	-0.42	-0.23	-0.98	-1.95	0.44	-0.61	0.73	0.00	0.62	-0.57
Aguirre, Nancy P (rerate)	0.66	-0.42	-0.23	-0.98	-1.95	0.44	-0.61	0.73	0.00	0.62	-0.57
Anderson, Dan	1.19	-1.47	0.02	-2.57	-0.73	1.82	-0.61	0.63	0.00	0.62	1.22
Barrera, Tony	0.79	-0.01	1.55	0.75	0.48	-0.47	11.20	0.54	10.00	0.62	0.00
Bian, Zheng	1.11	-0.80	1.38	-0.57	-0.17	-1.08	0.49	-0.34	0.00	0.62	0.50
DeCapite, Vanessa	-0.21	1.97	0.38	-1.53	1.80	0.97	-0.61	0.24	0.00	0.62	0.93
Demel, Samuel	0.07	-0.22	-0.89	-1.74	-0.46	0.50	-0.61	-0.34	10.00	0.62	1.79
Garcia, Matthew	-1.14	-0.92	0.14	-0.38	0.22	1.14	-0.61	-0.44	0.00	0.62	1.36
hidayat, mohammad rachman	0.09	-0.70	-1.63	1.15	0.59	-0.86	1.75	-1.32	0.00	0.62	0.93
Kobrinetz, Joaquin J.	0.29	-1.33	-0.48	0.78	-0.57	0.69	-0.73	0.73	0.00	0.62	1.08
Langford, Mike	0.23	0.31	-0.22	-0.50	-0.54	-0.18	-0.61	-0.54	30.00	4.76	0.93
Lopez, Frank	-0.71	1.15	-0.74	1.37	-0.28	1.88	-0.61	-0.54	0.00	0.62	0.14
Mulder, Jeroen	0.93	-0.58	0.25	-2.31	-0.73	-0.73	-0.45	-1.32	0.00	0.62	0.93
Reese, Kyle	-0.14	0.60	1.42	-2.87	0.34	-0.45	-0.61	-1.12	80.00	0.62	2.72
Rodriguez, Edward	-2.36	-0.72	0.86	0.30	-0.04	-1.34	-0.61	-0.34	0.00	-1.45	-1.94
Rodriguez, Jesus (Jesse)	-0.27	0.73	1.47	-1.03	-0.82	0.07	1.75	-2.58	0.00	0.62	-1.36
Sanchez, Arthur	1.19	-0.09	-0.80	-0.70	0.43	-0.73	-0.61	0.54	0.00	0.62	0.43
Sanchez, Arthur (rerate)	1.19	-0.09	-0.80	-0.70	0.43	-0.73	-0.61	0.54	0.00	0.62	0.43
Sanchez, Christopher	0.46	-0.66	-0.81	0.05	0.37	-1.06	0.49	0.34	0.00	-1.45	0.72
Schakel, J.J.	3.59	0.00	-1.36	-2.42	18.81	-1.13	-0.61	-5.21	-10.00	-1.45	-1.94
Seeck, Christian	0.49	1.06	-1.06	-0.89	1.01	-1.02	-0.61	0.73	0.00	-1.45	1.79
Terrado, Ken	-0.94	-1.92	1.17	-0.60	-1.12	-1.13	-0.14	0.34	0.00	-1.45	0.57
Trevino, Robert	0.14	-0.61	-1.20	1.00	0.59	-0.45	1.52	0.34	0.00	-1.45	0.57
MAXIMUM	-2.36	1.97	1.55	-1.53	-1.95	1.88	1.75	-2.58	0.00	-1.45	-1.94
MINIMUM	0.14	-0.01	-0.23	0.05	-0.04	0.07	0.49	0.24	0.00	0.62	0.00
RANGE(MAX-MIN)	-2.502	1.979	1.783	-1.581	-1.902	1.807	1.260	-2.825	0.000	-2.070	-1.935
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	23.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	39.02	10.31	4.36	13.89	26.50	6.93	1.50	21.00	1.00	2.00	20.00	
Aguirre, Nancy P (rerate)	48.14	9.60	4.09	13.98	34.75	6.93	1.92	49.00	2.00	1.00	41.00	
Barrera, Tony	42.25	10.90	6.04	13.64	33.78	7.57	3.30	45.00	2.00	2.00	36.00	
Bian, Zheng	44.35	12.99	7.24	13.28	38.28	9.07	2.70	56.00	1.00	2.00	56.00	
Bolaney, Jonathan	55.93	14.60	6.90	16.84	34.00	7.67	1.50	57.00	1.00	4.00	28.00	
DeCapite, Vanessa	37.87	14.54	6.76	13.75	35.28	8.23	1.95	45.00	3.00	2.00	49.00	
Demel, Samuel	56.06	11.91	4.56	14.08	33.81	5.78	1.50	59.00	3.00	3.00	48.00	
Dominguez, Lucio	43.03	14.06	6.22	13.41	35.86	7.88	2.52	49.00	4.00	1.00	23.00	
Garcia, Matthew	41.08	15.36	6.73	13.85	29.84	7.29	1.50	40.00	2.00	2.00	52.00	
Hayden, Matthew	49.50	10.80	5.17	12.43	31.00	6.62	4.50	49.00	0.00	1.00	33.00	
hidayat, mohammad rachman	51.78	13.39	5.10	14.58	36.25	5.38	2.38	40.00	2.00	3.00	33.00	
Kobrinetz, Joaquin J.	53.80	10.39	5.08	14.08	33.25	5.77	1.38	53.00	1.00	2.00	41.00	
Langford, Mike	49.83	11.28	3.84	15.44	35.28	6.63	1.50	50.00	6.00	5.00	40.00	
Lopez, Frank	49.03	12.42	5.14	18.90	36.25	6.39	1.50	49.00	1.00	4.00	40.00	
Reese, Kyle	57.50	10.55	4.35	15.08	36.01	6.88	1.50	50.00	5.00	4.00	55.00	
Rodriguez, Jesus (Jesse)	45.33	14.44	6.37	8.37	33.25	8.05	1.80	28.00	1.00	2.00	34.00	
Sanchez, Arthur	58.34	15.54	6.12	16.95	31.59	6.87	1.50	50.00	1.00	5.00	40.00	
Sanchez, Arthur (rerate)	58.34	15.54	6.12	16.95	31.59	6.87	1.50	50.00	1.00	5.00	40.00	
Sanchez, Christopher	43.29	12.05	4.14	12.48	36.25	9.69	1.98	50.00	2.00	0.00	47.00	
Schakel, J.J.	71.75	9.27	6.40	12.05	65.50	7.59	2.88	9.00	0.00	2.00	9.00	
Seeck, Christian	57.06	10.34	4.44	9.11	39.78	6.55	2.10	59.00	1.00	2.00	52.00	
Terrado, Ken	49.00	10.24	5.04	12.99	35.50	7.13	2.17	52.00	2.00	0.00	44.00	
Trevino, Robert	49.09	10.29	4.12	14.10	35.50	7.02	2.04	52.00	2.00	1.00	44.00	
MAXIMUM	58.34	15.54	6.76	18.90	36.25	9.69	3.30	53.00	4.00	5.00	49.00	
MINIMUM	37.87	10.29	4.12	8.37	26.50	5.77	1.38	21.00	1.00	0.00	20.00	
RANGE(MAX-MIN)	20.470	5.250	2.640	10.530	9.750	3.920	1.920	32.000	3.000	5.000	29.000	
MEAN	46.105	12.494	5.435	13.957	33.751	7.440	1.947	44.200	1.800	2.100	37.400	
STANDARD DEVIATION	6.474	2.014	0.992	2.734	2.983	1.102	0.588	10.820	1.033	1.449	9.548	
N SIZE	23.000											

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= A5 - C13-STYLE

A5 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	L1TOT	L2TOT	L3TOT	L4TOT	TGF	2ndGF	TLHC	AGF	
Aguirre, Nancy P	-1.09	-1.08	-1.08	-0.02	-2.43	-0.46	-0.76	-2.14	-0.77	-0.07	-1.82	
Aguirre, Nancy P (rerate)	0.31	-1.44	-1.36	0.01	0.33	-0.46	-0.05	0.44	0.19	-0.76	0.38	
Barrera, Tony	-0.60	-0.79	0.61	-0.12	0.01	0.12	2.30	0.07	0.19	-0.07	-0.15	
Bian, Zheng	-0.27	0.25	1.82	-0.25	1.52	1.48	1.28	1.09	-0.77	-0.07	1.95	
Bolaney, Jonathan	1.52	1.05	1.48	1.05	0.08	0.21	-0.76	1.18	-0.77	1.31	-0.98	
DeCapite, Vanessa	-1.27	1.02	1.34	-0.08	0.51	0.72	0.01	0.07	1.16	-0.07	1.22	
Demel, Samuel	1.54	-0.29	-0.88	0.05	0.02	-1.51	-0.76	1.37	1.16	0.62	1.11	
Dominguez, Lucio	-0.48	0.78	0.79	-0.20	0.71	0.40	0.97	0.44	2.13	-0.76	-1.51	
Garcia, Matthew	-0.78	1.42	1.31	-0.04	-1.31	-0.14	-0.76	-0.39	0.19	-0.07	1.53	
Hayden, Matthew	0.52	-0.84	-0.27	-0.56	-0.92	-0.74	4.34	0.44	-1.74	-0.76	-0.46	
hidayat, mohammad rachman	0.88	0.44	-0.34	0.23	0.84	-1.87	0.74	-0.39	0.19	0.62	-0.46	
Kobrinetz, Joaquin J.	1.19	-1.04	-0.36	0.05	-0.17	-1.52	-0.96	0.81	-0.77	-0.07	0.38	
Langford, Mike	0.58	-0.60	-1.61	0.54	0.51	-0.74	-0.76	0.54	4.07	2.00	0.27	
Lopez, Frank	0.45	-0.04	-0.30	1.81	0.84	-0.95	-0.76	0.44	-0.77	1.31	0.27	
Reese, Kyle	1.76	-0.97	-1.09	0.41	0.76	-0.51	-0.76	0.54	3.10	1.31	1.84	
Rodriguez, Jesus (Jesse)	-0.12	0.97	0.94	-2.04	-0.17	0.55	-0.25	-1.50	-0.77	-0.07	-0.36	
Sanchez, Arthur	1.89	1.51	0.69	1.09	-0.72	-0.52	-0.76	0.54	-0.77	2.00	0.27	
Sanchez, Arthur (rerate)	1.89	1.51	0.69	1.09	-0.72	-0.52	-0.76	0.54	-0.77	2.00	0.27	
Sanchez, Christopher	-0.43	-0.22	-1.31	-0.54	0.84	2.04	0.06	0.54	0.19	-1.45	1.01	
Schakel, J.J.	3.96	-1.60	0.97	-0.70	10.64	0.14	1.59	-4.09	-1.74	-0.07	-3.92	
Seeck, Christian	1.69	-1.07	-1.00	-1.77	2.02	-0.81	0.26	1.37	-0.77	-0.07	1.53	
Terrado, Ken	0.45	-1.12	-0.40	-0.35	0.59	-0.28	0.38	0.72	0.19	-1.45	0.69	
Trevino, Robert	0.46	-1.09	-1.33	0.05	0.59	-0.38	0.16	0.72	0.19	-0.76	0.69	
MAXIMUM	1.89	1.51	1.34	-2.04	-2.43	2.04	2.30	-2.14	2.13	2.00	-1.82	
MINIMUM	-0.12	-0.04	-0.30	-0.02	0.01	0.12	0.01	0.07	0.19	-0.07	-0.15	
RANGE(MAX-MIN)	2.010	1.549	1.633	-2.019	-2.441	1.925	2.296	-2.218	1.937	2.070	-1.676	
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	23.000											

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	47.50	6.37	2.22	19.03	16.76	1.50	1.50	48.00	1.00	11.00	4.00
Aguirre, Nancy P (rerate)	47.50	6.37	2.22	19.03	16.76	1.50	1.50	48.00	1.00	11.00	4.00
Barrera, Tony	48.75	8.76	4.12	17.64	17.50	3.16	3.60	44.00	2.00	8.00	6.00
Bian, Zheng	70.75	7.99	5.58	22.03	18.47	2.26	1.54	43.00	1.00	12.00	12.00
DeCapite, Vanessa	56.25	8.44	4.50	17.52	18.68	2.70	2.70	67.00	1.00	10.00	7.00
Demel, Samuel	62.00	6.14	2.10	18.39	18.02	1.65	1.50	57.00	1.00	11.00	4.00
Garcia, Matthew	62.33	6.47	3.00	20.47	18.49	2.71	1.74	50.00	1.00	12.00	11.00
hidayat, mohammad rachman	67.50	6.62	3.13	22.47	17.72	2.66	2.04	59.00	1.00	12.00	13.00
Kobrinetz, Joaquin J.	73.78	6.98	2.94	20.42	17.39	1.73	1.52	73.00	1.00	10.00	16.00
Langford, Mike	60.00	6.29	2.10	20.12	17.27	1.65	1.50	60.00	1.00	13.00	4.00
Lopez, Frank	63.50	6.59	4.55	21.93	18.22	1.50	1.50	62.00	1.00	11.00	10.00
Reese, Kyle	59.25	6.43	4.96	17.45	18.10	2.86	1.50	57.00	1.00	10.00	4.00
Rodriguez, Jesus (Jesse)	59.50	7.03	5.40	13.30	16.99	3.16	3.60	46.00	1.00	7.00	10.00
Sanchez, Arthur	71.25	8.58	3.72	19.56	17.51	2.01	1.80	75.00	1.00	11.00	10.00
Sanchez, Arthur (rerate)	71.25	8.58	3.72	19.56	17.51	2.01	1.80	75.00	1.00	11.00	10.00
Sanchez, Christopher	74.00	6.96	4.53	18.39	16.99	2.40	1.90	69.00	1.00	8.00	18.00
Schakel, J.J.	81.00	7.31	4.50	19.12	15.68	3.10	3.10	9.00	9.00	11.00	0.00
Seeck, Christian	72.25	8.43	2.14	18.00	13.20	2.92	1.90	73.00	1.00	10.00	18.00
Terrado, Ken	52.50	5.67	2.70	18.02	17.01	2.26	2.26	48.00	1.00	8.00	7.00
Trevino, Robert	68.55	5.53	3.18	17.17	17.30	2.40	1.80	65.00	1.00	8.00	9.00
MAXIMUM	74.00	8.76	5.40	21.93	18.68	3.16	3.60	75.00	1.00	11.00	18.00
MINIMUM	47.50	5.53	2.22	13.30	16.76	1.50	1.50	44.00	1.00	7.00	4.00
RANGE(MAX-MIN)	26.500	3.230	3.180	8.630	1.920	1.660	2.100	31.000	0.000	4.000	14.000
MEAN	62.564	7.249	3.907	18.329	17.482	2.284	2.213	61.000	1.000	9.333	10.000
STANDARD DEVIATION	10.221	1.109	0.986	2.427	0.615	0.647	0.868	11.937	0.100	1.581	4.500
N SIZE	20.000										

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	-1.47	-0.79	-1.71	0.29	-1.17	-1.21	-0.82	-1.09	0.00	1.05	-1.33
Aguirre, Nancy P (rerate)	-1.47	-0.79	-1.71	0.29	-1.17	-1.21	-0.82	-1.09	0.00	1.05	-1.33
Barrera, Tony	-1.35	1.36	0.22	-0.28	0.03	1.35	1.60	-1.42	10.00	-0.84	-0.89
Bian, Zheng	0.80	0.67	1.70	1.53	1.61	-0.04	-0.78	-1.51	0.00	1.69	0.44
DeCapite, Vanessa	-0.62	1.07	0.60	-0.33	1.95	0.64	0.56	0.50	0.00	0.42	-0.67
Demel, Samuel	-0.06	-1.00	-1.83	0.03	0.87	-0.98	-0.82	-0.34	0.00	1.05	-1.33
Garcia, Matthew	-0.02	-0.70	-0.92	0.88	1.64	0.66	-0.55	-0.92	0.00	1.69	0.22
hidayat, mohammad rachman	0.48	-0.57	-0.79	1.71	0.39	0.58	-0.20	-0.17	0.00	1.69	0.67
Kobrinetz, Joaquin J.	1.10	-0.24	-0.98	0.86	-0.15	-0.86	-0.80	1.01	0.00	0.42	1.33
Langford, Mike	-0.25	-0.86	-1.83	0.74	-0.35	-0.98	-0.82	-0.08	0.00	2.32	-1.33
Lopez, Frank	0.09	-0.59	0.65	1.48	1.20	-1.21	-0.82	0.08	0.00	1.05	0.00
Reese, Kyle	-0.32	-0.74	1.07	-0.36	1.00	0.89	-0.82	-0.34	0.00	0.42	-1.33
Rodriguez, Jesus (Jesse)	-0.30	-0.20	1.52	-2.07	-0.80	1.35	1.60	-1.26	0.00	-1.48	0.00
Sanchez, Arthur	0.85	1.20	-0.19	0.51	0.05	-0.42	-0.48	1.17	0.00	1.05	0.00
Sanchez, Arthur (rerate)	0.85	1.20	-0.19	0.51	0.05	-0.42	-0.48	1.17	0.00	1.05	0.00
Sanchez, Christopher	1.12	-0.26	0.63	0.03	-0.80	0.18	-0.36	0.67	0.00	-0.84	1.78
Schakel, J.J.	1.80	0.06	0.60	0.33	-2.93	1.26	1.02	-5.14	-10.00	1.05	-2.22
Seeck, Christian	0.95	1.07	-1.79	-0.14	-6.96	0.98	-0.36	1.01	0.00	0.42	1.78
Terrado, Ken	-0.98	-1.42	-1.22	-0.13	-0.77	-0.04	0.05	-1.09	0.00	-0.84	-0.67
Trevino, Robert	0.59	-1.55	-0.74	-0.48	-0.30	0.18	-0.48	0.34	0.00	-0.84	-0.22
MAXIMUM	-1.47	-1.55	-1.71	-2.07	1.95	1.35	1.60	-1.42	0.00	-1.48	1.78
MINIMUM	0.09	-0.20	-0.19	0.03	0.03	0.18	-0.36	0.08	0.00	0.42	0.00
RANGE(MAX-MIN)	-1.565	-1.353	-1.522	-2.098	1.918	1.175	1.960	-1.508	0.000	-1.897	1.778
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	20.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	24.76	12.42	0.30	8.18	0.20
Aguirre, Nancy P (rerate)	24.76	12.42	0.30	8.18	0.20
Arrizon, Richard	27.25	12.06	0.30	10.16	0.31
Barrera, Tony	25.75	16.16	0.22	7.78	0.30
Bolaney, Jonathan	26.50	13.65	0.10	11.22	0.10
DeCapite, Vanessa	27.25	17.49	0.10	14.80	0.05
Dominguez, Lucio	28.00	13.19	0.14	11.05	0.20
Hayden, Matthew	27.25	13.84	0.20	14.28	0.04
Kobrinetz, Joaquin J.	28.75	11.25	0.21	10.38	0.10
Rodriguez, Edward	27.25	12.10	0.18	11.21	0.12
Schakel, J.J.	77.50	22.27	4.00	16.75	0.20
Veiga, Victor	28.00	12.30	0.10	12.15	0.10
MAXIMUM	28.75	17.49	0.30	14.80	0.30
MINIMUM	24.76	11.25	0.10	7.78	0.05
RANGE(MAX-MIN)	3.990	6.240	0.200	7.020	0.250
MEAN	26.960	13.768	0.192	10.567	0.162
STANDARD DEVIATION	1.467	2.484	0.100	2.532	0.100
N SIZE	12.000				

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	-1.50	-0.54	1.08	-0.94	0.38
Aguirre, Nancy P (rerate)	-1.50	-0.54	1.08	-0.94	0.38
Arrizon, Richard	0.20	-0.69	1.08	-0.16	1.48
Barrera, Tony	-0.82	0.96	0.28	-1.10	1.38
Bolaney, Jonathan	-0.31	-0.05	-0.92	0.26	-0.62
DeCapite, Vanessa	0.20	1.50	-0.92	1.67	-1.12
Dominguez, Lucio	0.71	-0.23	-0.52	0.19	0.38
Hayden, Matthew	0.20	0.03	0.08	1.47	-1.22
Kobrinetz, Joaquin J.	1.22	-1.01	0.18	-0.07	-0.62
Rodriguez, Edward	0.20	-0.67	-0.12	0.25	-0.42
Schakel, J.J.	34.46	3.42	8.08	2.44	0.38
Veiga, Victor	0.71	-0.59	-0.92	0.63	-0.62
MAXIMUM	-1.50	1.50	1.08	1.67	1.38
MINIMUM	0.20	-0.23	-0.12	-0.07	0.38
RANGE(MAX-MIN)	-1.698	1.731	1.200	1.745	1.000
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	0.694	1.000	0.895
N SIZE	12.000				

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	33.25	35.50	1.94	1.12	5.96	23.58	3.44	8.00	28.00	0.00
Aguirre, Nancy P (rerate)	33.25	35.50	1.94	1.12	5.96	23.58	3.44	8.00	28.00	0.00
Anderson, Dan	33.25	42.95	1.97	0.57	6.57	26.85	3.70	25.00	35.00	0.00
Bolaney, Jonathan	34.75	27.25	2.33	0.98	4.88	24.34	4.35	24.00	55.00	0.00
CHEN, JIONGJING	33.25	40.00	2.05	0.70	4.97	25.87	3.56	12.00	30.00	0.00
Dominguez, Lucio	31.75	36.25	2.06	0.95	5.72	26.83	3.58	19.00	29.00	0.00
Foecking, Brian	31.13	40.75	2.16	1.43	5.46	25.35	3.29	22.00	55.00	0.00
Kunk, Daniel	32.54	37.75	1.94	1.00	5.69	25.58	3.53	19.00	43.00	0.00
Mulder, Jeroen	33.50	39.20	1.97	0.57	4.91	26.85	3.75	25.00	30.00	0.00
Price, Gregory	33.00	43.00	2.08	1.16	5.90	24.60	3.32	22.00	73.00	0.00
Ragsdale, Kirt	35.75	43.75	2.00	0.68	5.40	24.11	3.12	25.00	30.00	0.00
Rodriguez, Jesus (Jesse)	35.50	29.50	2.32	1.21	4.38	24.55	3.84	15.00	35.00	0.00
Sanchez, Christopher	34.00	33.25	2.14	0.90	5.91	23.40	3.31	22.00	40.00	0.00
Schakel, J.J.	43.75	64.00	2.53	0.84	5.40	45.82	3.59	40.00	50.00	0.00
Seeck, Christian	38.00	28.00	1.72	0.37	5.85	26.79	2.20	26.00	41.00	0.00
Trevino, Robert	35.50	46.00	2.00	0.65	6.14	24.41	3.16	26.00	42.00	0.00
Veiga, Victor	33.25	38.50	2.18	1.33	5.23	23.65	3.79	22.00	47.00	0.00
MAXIMUM	35.50	46.00	2.32	1.43	6.14	26.83	3.84	26.00	73.00	0.00
MINIMUM	31.13	29.50	1.94	0.65	4.38	23.40	3.16	8.00	28.00	0.00
RANGE(MAX-MIN)	4.370	16.500	0.380	0.780	1.760	3.430	0.680	18.000	45.000	0.000
MEAN	33.447	37.750	2.100	1.060	5.639	24.674	3.420	19.143	43.143	0.000
STANDARD DEVIATION	1.694	5.777	0.123	0.251	0.594	1.156	0.227	5.956	16.015	0.100
N SIZE	17.000									

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	-0.12	-0.39	-1.30	0.24	0.54	-0.95	0.09	-1.87	-0.95	0.00
Aguirre, Nancy P (rerate)	-0.12	-0.39	-1.30	0.24	0.54	-0.95	0.09	-1.87	-0.95	0.00
Anderson, Dan	-0.12	0.90	-1.05	-1.95	1.57	1.88	1.23	0.98	-0.51	0.00
Bolaney, Jonathan	0.77	-1.82	1.87	-0.32	-1.28	-0.29	4.10	0.82	0.74	0.00
CHEN, JIONGJING	-0.12	0.39	-0.41	-1.43	-1.12	1.03	0.62	-1.20	-0.82	0.00
Dominguez, Lucio	-1.00	-0.26	-0.32	-0.44	0.14	1.87	0.71	-0.02	-0.88	0.00
Foecking, Brian	-1.37	0.52	0.49	1.47	-0.30	0.58	-0.57	0.48	0.74	0.00
Kunk, Daniel	-0.54	0.00	-1.30	-0.24	0.09	0.78	0.48	-0.02	-0.01	0.00
Mulder, Jeroen	0.03	0.25	-1.05	-1.95	-1.23	1.88	1.45	0.98	-0.82	0.00
Price, Gregory	-0.26	0.91	-0.16	0.40	0.44	-0.06	-0.44	0.48	1.86	0.00
Ragsdale, Kirt	1.36	1.04	-0.81	-1.51	-0.40	-0.49	-1.32	0.98	-0.82	0.00
Rodriguez, Jesus (Jesse)	1.21	-1.43	1.78	0.60	-2.12	-0.11	1.85	-0.70	-0.51	0.00
Sanchez, Christopher	0.33	-0.78	0.32	-0.64	0.46	-1.10	-0.48	0.48	-0.20	0.00
Schakel, J.J.	6.08	4.54	3.49	-0.88	-0.40	18.29	0.75	3.50	0.43	0.00
Seeck, Christian	2.69	-1.69	-3.08	-2.75	0.36	1.83	-5.38	1.15	-0.13	0.00
Trevino, Robert	1.21	1.43	-0.81	-1.63	0.84	-0.23	-1.15	1.15	-0.07	0.00
Veiga, Victor	-0.12	0.13	0.65	1.07	-0.69	-0.89	1.63	0.48	0.24	0.00
MAXIMUM	-1.37	-1.43	1.78	-1.63	-2.12	1.87	1.85	-1.87	1.86	0.00
MINIMUM	-0.12	-0.26	-0.16	0.24	0.14	-0.06	0.09	-0.02	-0.07	0.00
RANGE(MAX-MIN)	-1.251	-1.168	1.947	-1.871	-2.255	1.929	1.763	-1.847	1.936	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	17.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	26.50	58.54	0.71	0.54	1.04	25.97	0.90	4.00	60.00	0.00
Aguirre, Nancy P (rerate)	26.50	58.54	0.71	0.54	1.04	25.97	0.90	4.00	60.00	0.00
Anderson, Dan	25.50	57.65	0.74	0.18	1.20	27.70	0.60	7.00	46.00	0.00
Arrizon, Richard	25.75	53.05	0.55	0.51	2.25	25.50	1.11	7.00	39.00	0.00
Bolaney, Jonathan	25.00	30.10	0.55	0.40	2.84	28.43	0.58	4.00	69.00	0.00
CHEN, JIONGJING	25.52	43.58	0.80	0.38	2.00	28.61	0.61	6.00	34.00	0.00
Dominguez, Lucio	25.00	33.52	0.86	0.40	2.38	31.65	0.72	8.00	18.00	0.00
Foecking, Brian	25.00	24.09	1.17	0.43	1.24	30.93	0.36	6.00	13.00	0.00
Mulder, Jeroen	25.25	67.80	0.56	0.18	1.80	30.65	0.92	7.00	63.00	0.00
Price, Gregory	25.25	34.04	0.81	0.35	2.09	27.76	0.43	7.00	62.00	0.00
Ragsdale, Kirt	25.50	60.06	0.51	0.39	2.87	29.20	0.56	10.00	51.00	0.00
Rodriguez, Edward	25.00	61.80	1.15	0.33	1.80	26.59	0.58	6.00	30.00	0.00
Rodriguez, Jesus (Jesse)	25.75	31.03	0.54	0.36	1.26	31.84	0.45	3.00	8.00	0.00
Sanchez, Christopher	25.00	54.31	0.84	0.27	3.01	27.43	1.04	9.00	45.00	0.00
Schakel, J.J.	97.00	85.06	0.87	0.60	2.44	47.67	1.61	80.00	10.00	0.00
Seeck, Christian	30.50	61.03	0.05	0.05	0.96	31.87	0.23	2.00	75.00	0.00
Trevino, Robert	25.50	52.83	0.71	0.24	2.66	29.38	0.91	8.00	44.00	0.00
Veiga, Victor	25.75	46.56	0.32	0.60	0.71	26.13	1.06	7.00	42.00	0.00
MAXIMUM	26.50	61.80	1.17	0.54	3.01	31.84	1.04	9.00	62.00	0.00
MINIMUM	25.00	24.09	0.54	0.24	1.04	25.97	0.36	3.00	8.00	0.00
RANGE(MAX-MIN)	1.500	37.710	0.630	0.300	1.970	5.870	0.680	6.000	54.000	0.000
MEAN	25.375	43.770	0.849	0.365	1.935	28.944	0.674	6.375	35.000	0.000
STANDARD DEVIATION	0.535	14.569	0.217	0.100	0.723	2.328	0.256	2.066	20.915	0.100
N SIZE	18.000									

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	2.10	1.01	-0.64	1.75	-1.24	-1.28	0.88	-1.15	1.20	0.00
Aguirre, Nancy P (rerate)	2.10	1.01	-0.64	1.75	-1.24	-1.28	0.88	-1.15	1.20	0.00
Anderson, Dan	0.23	0.95	-0.50	-1.85	-1.02	-0.53	-0.29	0.30	0.53	0.00
Arrizon, Richard	0.70	0.64	-1.38	1.45	0.44	-1.48	1.70	0.30	0.19	0.00
Bolaney, Jonathan	-0.70	-0.94	-1.38	0.35	1.25	-0.22	-0.37	-1.15	1.63	0.00
CHEN, JIONGJING	0.27	-0.01	-0.22	0.15	0.09	-0.14	-0.25	-0.18	-0.05	0.00
Dominguez, Lucio	-0.70	-0.70	0.05	0.35	0.62	1.16	0.18	0.79	-0.81	0.00
Foecking, Brian	-0.70	-1.35	1.48	0.65	-0.96	0.85	-1.22	-0.18	-1.05	0.00
Mulder, Jeroen	-0.23	1.65	-1.33	-1.85	-0.19	0.73	0.96	0.30	1.34	0.00
Price, Gregory	-0.23	-0.67	-0.18	-0.15	0.21	-0.51	-0.95	0.30	1.29	0.00
Ragsdale, Kirt	0.23	1.12	-1.56	0.25	1.29	0.11	-0.44	1.75	0.77	0.00
Rodriguez, Edward	-0.70	1.24	1.39	-0.35	-0.19	-1.01	-0.37	-0.18	-0.24	0.00
Rodriguez, Jesus (Jesse)	0.70	-0.87	-1.42	-0.05	-0.93	1.24	-0.87	-1.63	-1.29	0.00
Sanchez, Christopher	-0.70	0.72	-0.04	-0.95	1.49	-0.65	1.43	1.27	0.48	0.00
Schakel, J.J.	134.00	2.83	0.10	2.35	0.70	8.05	3.65	35.64	-1.20	0.00
Seeck, Christian	9.59	1.18	-3.68	-3.15	-1.35	1.26	-1.73	-2.12	1.91	0.00
Trevino, Robert	0.23	0.62	-0.64	-1.25	1.00	0.19	0.92	0.79	0.43	0.00
Veiga, Victor	0.70	0.19	-2.44	2.35	-1.69	-1.21	1.51	0.30	0.33	0.00
MAXIMUM	2.10	-1.35	1.48	1.75	1.49	-1.28	1.43	-1.63	1.29	0.00
MINIMUM	-0.23	0.62	-0.04	-0.05	-0.19	0.19	0.18	-0.18	-0.24	0.00
RANGE(MAX-MIN)	2.339	-1.973	1.521	1.800	1.673	-1.465	1.248	-1.452	1.530	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	0.943	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	18.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	26.60	22.21	0.42	0.30	1.03	18.35	0.60	5.00	4.00	0.00
Aguirre, Nancy P (rerate)	26.60	22.21	0.42	0.30	1.03	18.35	0.60	5.00	4.00	0.00
Anderson, Dan	29.70	22.00	0.24	0.16	1.72	18.75	0.38	12.00	12.00	0.00
Bolaney, Jonathan	25.93	22.56	0.29	0.06	1.88	19.42	0.75	11.00	15.00	0.00
CHEN, JIONGJING	26.60	22.02	0.28	0.14	1.93	20.58	0.58	11.00	10.00	0.00
Dominguez, Lucio	25.09	24.07	0.35	0.15	2.24	21.66	0.64	11.00	11.00	0.00
Foecking, Brian	25.62	21.92	0.23	0.19	1.08	18.80	0.58	14.00	12.00	0.00
Mulder, Jeroen	29.85	22.15	0.16	0.11	1.72	18.23	0.65	12.00	12.00	0.00
Price, Gregory	27.67	22.31	0.36	0.20	1.95	16.66	0.40	10.00	7.00	0.00
Ragsdale, Kirt	26.09	22.01	0.42	0.20	2.50	18.60	0.49	12.00	6.00	0.00
Rodriguez, Edward	24.49	22.66	0.45	0.28	2.73	18.46	0.69	15.00	10.00	0.00
Rodriguez, Jesus (Jesse)	26.13	22.55	0.24	0.14	1.92	19.06	0.30	4.00	10.00	0.00
Sanchez, Christopher	28.38	22.27	0.37	0.06	2.08	17.81	0.63	14.00	8.00	0.00
Schakel, J.J.	35.87	66.80	0.37	0.25	1.73	24.06	0.83	40.00	45.00	0.00
Seeck, Christian	40.65	22.34	0.06	0.02	0.85	18.42	0.18	14.00	11.00	0.00
Trevino, Robert	27.90	21.81	0.58	0.13	2.13	19.10	0.53	12.00	10.00	0.00
MAXIMUM	28.38	24.07	0.58	0.30	2.73	21.66	0.69	15.00	12.00	0.00
MINIMUM	24.49	21.81	0.23	0.06	1.03	16.66	0.30	4.00	4.00	0.00
RANGE(MAX-MIN)	3.890	2.260	0.350	0.240	1.700	5.000	0.390	11.000	8.000	0.000
MEAN	26.485	22.475	0.375	0.181	1.895	18.738	0.546	10.625	9.000	0.000
STANDARD DEVIATION	1.405	0.704	0.113	0.100	0.576	1.423	0.132	4.138	2.563	0.100
N SIZE	16.000									

Part ID= B3 - KEYSTONE

B3 YI Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P	0.08	-0.38	0.40	1.19	-1.50	-0.27	0.41	-1.36	-1.95	0.00
Aguirre, Nancy P (rerate)	0.08	-0.38	0.40	1.19	-1.50	-0.27	0.41	-1.36	-1.95	0.00
Anderson, Dan	2.29	-0.67	-1.19	-0.21	-0.30	0.01	-1.26	0.33	1.17	0.00
Bolaney, Jonathan	-0.40	0.12	-0.75	-1.21	-0.03	0.48	1.54	0.09	2.34	0.00
CHEN, JIONGJING	0.08	-0.65	-0.84	-0.41	0.06	1.29	0.25	0.09	0.39	0.00
Dominguez, Lucio	-0.99	2.26	-0.22	-0.31	0.60	2.05	0.71	0.09	0.78	0.00
Foecking, Brian	-0.62	-0.79	-1.28	0.09	-1.42	0.04	0.25	0.82	1.17	0.00
Mulder, Jeroen	2.40	-0.46	-1.90	-0.71	-0.30	-0.36	0.78	0.33	1.17	0.00
Price, Gregory	0.84	-0.23	-0.13	0.19	0.10	-1.46	-1.10	-0.15	-0.78	0.00
Ragsdale, Kirt	-0.28	-0.66	0.40	0.19	1.05	-0.10	-0.42	0.33	-1.17	0.00
Rodriguez, Edward	-1.42	0.26	0.66	0.99	1.45	-0.19	1.09	1.06	0.39	0.00
Rodriguez, Jesus (Jesse)	-0.25	0.11	-1.19	-0.41	0.04	0.23	-1.86	-1.60	0.39	0.00
Sanchez, Christopher	1.35	-0.29	-0.04	-1.21	0.32	-0.65	0.63	0.82	-0.39	0.00
Schakel, J.J.	6.68	62.92	-0.04	0.69	-0.29	3.74	2.14	7.40	14.04	0.00
Seeck, Christian	40.08	-0.19	-2.78	-1.61	-1.81	-0.22	-2.77	0.82	0.78	0.00
Trevino, Robert	1.01	-0.94	1.81	-0.51	0.41	0.25	-0.12	0.33	0.39	0.00
MAXIMUM	-1.42	2.26	1.81	-1.21	-1.50	2.05	-1.86	-1.60	-1.95	0.00
MINIMUM	0.08	0.11	-0.04	0.09	0.04	0.04	-0.12	0.09	0.39	0.00
RANGE(MAX-MIN)	-1.502	2.158	1.854	-1.300	-1.545	2.009	-1.737	-1.692	-2.341	0.000
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	0.795	1.000	1.000	1.000	1.000	1.000	0.100
N SIZE	16.000									



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	39.00	12.81	3.42	12.13	26.79	5.09	1.50	34.00	1.00	2.00	22.00
Aguirre, Nancy P (rerate)	39.00	12.81	3.42	12.13	26.79	5.09	1.50	34.00	1.00	2.00	22.00
Anderson, Dan	58.75	12.60	5.40	9.63	35.37	6.52	2.70	65.00	1.00	1.00	30.00
Arrizon, Richard	51.00	12.32	5.38	12.07	32.82	6.28	2.88	57.00	2.00	1.00	35.00
CHEN, JIONGJING	43.50	14.98	4.12	11.39	33.25	5.36	1.86	42.00	2.50	1.00	29.00
Dominguez, Lucio	45.33	15.87	4.05	13.48	39.56	6.39	1.78	36.00	4.00	1.00	35.00
Foecking, Brian	54.75	15.79	5.59	16.91	38.08	6.53	4.35	58.00	1.00	1.00	31.00
Mulder, Jeroen	58.15	12.60	4.64	9.63	39.67	6.41	2.10	50.00	1.00	1.00	35.00
Price, Gregory	54.55	17.24	3.60	8.59	35.07	7.34	2.70	53.00	5.00	1.00	41.00
Ragsdale, Kirt	57.75	14.99	3.82	11.99	42.02	6.04	1.90	46.00	3.00	3.00	43.00
Rodriguez, Edward	41.25	14.46	4.08	13.11	34.39	5.46	1.98	61.00	2.00	1.00	0.00
Rodriguez, Jesus (Jesse)	50.25	17.41	5.04	8.39	40.31	6.81	3.90	32.00	1.00	2.00	37.00
Sanchez, Christopher	50.75	12.70	3.22	10.55	32.80	5.35	1.90	56.00	2.00	0.00	40.00
Schakel, J.J.	74.50	15.37	5.26	11.29	53.37	6.10	1.90	9.00	0.00	1.00	0.00
Seeck, Christian	58.00	15.72	4.38	9.50	46.84	4.68	1.95	72.00	7.00	1.00	46.00
Trevino, Robert	52.00	10.76	2.46	11.79	35.33	5.13	1.80	51.00	2.00	0.00	39.00
MAXIMUM	54.75	17.41	5.59	16.91	40.31	7.34	4.35	61.00	5.00	2.00	41.00
MINIMUM	39.00	10.76	2.46	8.39	26.79	5.09	1.50	32.00	1.00	0.00	0.00
RANGE(MAX-MIN)	15.750	6.650	3.130	8.520	13.520	2.250	2.850	29.000	4.000	2.000	41.000
MEAN	48.485	14.630	3.933	11.869	35.291	6.013	2.489	47.625	2.250	1.000	30.625
STANDARD DEVIATION	5.963	2.374	1.004	2.783	4.318	0.860	1.073	11.722	1.488	0.756	13.825
N SIZE	16.000										

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	-1.59	-0.77	-0.51	0.09	-1.97	-1.07	-0.92	-1.16	-0.84	1.32	-0.62
Aguirre, Nancy P (rerate)	-1.59	-0.77	-0.51	0.09	-1.97	-1.07	-0.92	-1.16	-0.84	1.32	-0.62
Anderson, Dan	1.72	-0.85	1.46	-0.80	0.02	0.59	0.20	1.48	-0.84	0.00	-0.05
Arrizon, Richard	0.42	-0.97	1.44	0.07	-0.57	0.31	0.36	0.80	-0.17	0.00	0.32
CHEN, JIONGJING	-0.84	0.15	0.19	-0.17	-0.47	-0.76	-0.59	-0.48	0.17	0.00	-0.12
Dominguez, Lucio	-0.53	0.52	0.12	0.58	0.99	0.44	-0.66	-0.99	1.18	0.00	0.32
Foecking, Brian	1.05	0.49	1.65	1.81	0.65	0.60	1.73	0.89	-0.84	0.00	0.03
Mulder, Jeroen	1.62	-0.85	0.70	-0.80	1.01	0.46	-0.36	0.20	-0.84	0.00	0.32
Price, Gregory	1.02	1.10	-0.33	-1.18	-0.05	1.54	0.20	0.46	1.85	0.00	0.75
Ragsdale, Kirt	1.55	0.15	-0.11	0.04	1.56	0.03	-0.55	-0.14	0.50	2.65	0.90
Rodriguez, Edward	-1.21	-0.07	0.15	0.45	-0.21	-0.64	-0.47	1.14	-0.17	0.00	-2.22
Rodriguez, Jesus (Jesse)	0.30	1.17	1.10	-1.25	1.16	0.93	1.32	-1.33	-0.84	1.32	0.46
Sanchez, Christopher	0.38	-0.81	-0.71	-0.47	-0.58	-0.77	-0.55	0.71	-0.17	-1.32	0.68
Schakel, J.J.	4.36	0.31	1.32	-0.21	4.49	0.10	-0.55	-4.06	-1.51	0.00	-2.22
Seeck, Christian	1.60	0.46	0.45	-0.85	2.67	-1.55	-0.50	2.08	3.49	0.00	1.11
Trevino, Robert	0.59	-1.63	-1.47	-0.03	0.01	-1.03	-0.64	0.29	-0.17	-1.32	0.61
MAXIMUM	-1.59	-1.63	1.65	1.81	-1.97	1.54	1.73	-1.33	1.85	1.32	-2.22
MINIMUM	0.30	-0.07	0.12	-0.03	0.01	0.44	0.20	0.29	-0.17	0.00	0.03
RANGE(MAX-MIN)	-1.887	-1.558	1.534	1.840	-1.978	1.104	1.538	-1.621	2.016	1.323	-2.242
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	16.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	26.26	11.30	3.63	26.64	25.19	4.50	1.50	22.00	1.00	11.00	18.00
Aguirre, Nancy P (rerate)	26.26	11.30	3.63	26.64	25.19	4.50	1.50	22.00	1.00	11.00	18.00
Arrizon, Richard	40.11	10.53	5.46	25.75	24.17	5.27	3.16	48.00	2.00	10.00	39.00
CHEN, JIONGJING	40.04	9.98	4.80	25.25	26.55	4.62	1.56	41.00	2.00	10.00	25.00
Foeking, Brian	42.75	12.57	5.47	30.17	31.58	4.79	2.88	41.00	1.00	17.00	25.00
Kunk, Daniel	41.79	10.70	4.71	26.54	28.75	4.92	2.08	32.00	2.00	10.00	26.00
Ragsdale, Kirt	48.11	10.50	3.54	30.10	27.00	4.26	1.50	44.00	1.00	16.00	48.00
Rodriguez, Edward	30.89	11.30	5.70	21.60	26.83	5.14	1.50	50.00	2.00	2.00	0.00
Rodriguez, Jesus (Jesse)	42.39	13.80	6.82	26.51	27.20	6.42	3.00	28.00	1.00	9.00	37.00
Sanchez, Christopher	41.54	11.62	2.92	25.92	29.95	4.13	1.86	50.00	2.00	11.00	36.00
Schakel, J.J.	65.50	9.49	1.37	28.33	44.79	5.77	1.86	60.00	5.00	15.00	40.00
Seeck, Christian	51.06	12.64	3.58	28.08	28.66	3.95	1.80	50.00	2.00	10.00	45.00
Trevino, Robert	50.13	10.10	2.68	27.40	30.25	5.14	1.92	49.00	2.00	12.00	37.00
Veiga, Victor	40.87	11.34	4.08	27.06	25.37	5.25	1.50	49.00	2.00	9.00	48.00
MAXIMUM	50.13	13.80	6.82	30.17	31.58	6.42	3.00	50.00	2.00	17.00	37.00
MINIMUM	26.26	10.10	2.68	21.60	25.19	4.13	1.50	22.00	1.00	2.00	0.00
RANGE(MAX-MIN)	23.870	3.700	4.140	8.570	6.390	2.290	1.500	28.000	1.000	15.000	37.000
MEAN	38.993	11.782	4.537	26.373	28.500	5.020	2.110	40.000	1.500	10.333	25.500
STANDARD DEVIATION	8.763	1.266	1.692	2.777	2.453	0.788	0.668	12.247	0.548	4.885	14.707
N SIZE	14.000										

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	-1.45	-0.38	-0.54	0.10	-1.35	-0.66	-0.91	-1.47	-0.91	0.14	-0.51
Aguirre, Nancy P (rerate)	-1.45	-0.38	-0.54	0.10	-1.35	-0.66	-0.91	-1.47	-0.91	0.14	-0.51
Arrizon, Richard	0.13	-0.99	0.55	-0.22	-1.77	0.32	1.57	0.65	0.91	-0.07	0.92
CHEN, JIONGJING	0.12	-1.42	0.16	-0.40	-0.79	-0.51	-0.82	0.08	0.91	-0.07	-0.03
Foeking, Brian	0.43	0.62	0.55	1.37	1.26	-0.29	1.15	0.08	-0.91	1.36	-0.03
Kunk, Daniel	0.32	-0.85	0.10	0.06	0.10	-0.13	-0.04	-0.65	0.91	-0.07	0.03
Ragsdale, Kirt	1.04	-1.01	-0.59	1.34	-0.61	-0.96	-0.91	0.33	-0.91	1.16	1.53
Rodriguez, Edward	-0.92	-0.38	0.69	-1.72	-0.68	0.15	-0.91	0.82	0.91	-1.71	-1.73
Rodriguez, Jesus (Jesse)	0.39	1.59	1.35	0.05	-0.53	1.78	1.33	-0.98	-0.91	-0.27	0.78
Sanchez, Christopher	0.29	-0.13	-0.96	-0.16	0.59	-1.13	-0.37	0.82	0.91	0.14	0.71
Schakel, J.J.	3.02	-1.81	-1.87	0.70	5.42	0.95	-0.37	1.63	6.39	0.96	0.99
Seeck, Christian	1.38	0.68	-0.57	0.61	0.07	-1.36	-0.46	0.82	0.91	-0.07	1.33
Trevino, Robert	1.27	-1.33	-1.10	0.37	0.71	0.15	-0.28	0.73	0.91	0.34	0.78
Veiga, Victor	0.21	-0.35	-0.27	0.25	-1.28	0.29	-0.91	0.73	0.91	-0.27	1.53
MAXIMUM	-1.45	1.59	1.35	-1.72	-1.35	1.78	1.33	-1.47	-0.91	-1.71	-1.73
MINIMUM	0.29	-0.13	-0.54	0.05	-0.53	0.15	-0.28	0.08	-0.91	0.14	-0.03
RANGE(MAX-MIN)	-1.744	1.722	1.885	-1.768	-0.819	1.625	1.618	-1.551	0.000	-1.842	-1.700
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	14.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	43.50	10.87	2.86	7.41	25.81	5.02	1.50	54.00	1.00	0.00	17.00
Aguirre, Nancy P (rerate)	43.50	10.87	2.86	7.41	25.81	5.02	1.50	54.00	1.00	0.00	17.00
Arrizon, Richard	55.75	11.62	4.02	9.46	29.58	5.43	2.44	55.00	3.00	0.00	34.00
CHEN, JIONGJING	46.50	13.06	3.94	8.86	31.31	6.03	1.68	51.00	2.00	0.00	21.00
Dominguez, Lucio	64.25	12.81	3.37	9.27	40.30	6.40	2.22	65.00	4.00	0.00	17.00
Foecking, Brian	69.25	14.07	4.78	8.24	32.81	8.28	4.45	65.00	2.00	0.00	17.00
Kunk, Daniel	67.00	13.50	3.34	5.88	36.01	5.15	1.90	65.00	2.00	0.00	19.00
Price, Gregory	59.00	12.89	2.56	5.29	29.81	6.58	2.56	66.00	2.00	0.00	32.00
Ragsdale, Kirt	60.50	11.68	2.46	8.33	41.78	5.95	1.92	55.00	2.00	0.00	4.00
Rodriguez, Edward	41.50	13.33	2.74	10.93	37.32	7.27	2.10	55.00	3.00	0.00	0.00
Rodriguez, Jesus (Jesse)	48.50	14.01	4.36	5.62	33.56	5.73	5.26	33.00	2.00	0.00	32.00
Sanchez, Christopher	67.00	12.54	2.10	8.76	34.08	5.66	2.04	61.00	4.00	0.00	34.00
Schakel, J.J.	82.25	12.69	3.36	9.32	61.71	7.34	2.08	75.00	4.00	0.00	50.00
Seeck, Christian	72.00	12.62	3.13	9.84	48.68	6.74	1.50	63.00	4.00	0.00	39.00
Trevino, Robert	67.00	11.61	2.16	8.96	36.54	5.19	2.10	63.00	2.00	0.00	33.00
MAXIMUM	69.25	14.07	4.78	10.93	40.30	8.28	5.26	66.00	4.00	0.00	34.00
MINIMUM	41.50	10.87	2.10	5.29	25.81	5.02	1.50	33.00	1.00	0.00	0.00
RANGE(MAX-MIN)	27.750	3.200	2.680	5.640	14.490	3.260	3.760	33.000	3.000	0.000	34.000
MEAN	57.500	12.766	3.116	8.060	33.779	6.266	2.779	57.750	2.500	0.000	22.750
STANDARD DEVIATION	11.335	1.106	0.989	1.893	4.520	1.105	1.332	10.990	1.069	0.100	12.068
N SIZE	15.000										

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	-1.24	-1.71	-0.26	-0.34	-1.76	-1.13	-0.96	-0.34	-1.40	0.00	-0.48
Aguirre, Nancy P (rerate)	-1.24	-1.71	-0.26	-0.34	-1.76	-1.13	-0.96	-0.34	-1.40	0.00	-0.48
Arrizon, Richard	-0.15	-1.04	0.91	0.74	-0.93	-0.76	-0.25	-0.25	0.47	0.00	0.93
CHEN, JIONGJING	-0.97	0.27	0.83	0.42	-0.55	-0.21	-0.83	-0.61	-0.47	0.00	-0.15
Dominguez, Lucio	0.60	0.04	0.26	0.64	1.44	0.12	-0.42	0.66	1.40	0.00	-0.48
Foecking, Brian	1.04	1.18	1.68	0.10	-0.21	1.82	1.26	0.66	-0.47	0.00	-0.48
Kunk, Daniel	0.84	0.66	0.23	-1.15	0.49	-1.01	-0.66	0.66	-0.47	0.00	-0.31
Price, Gregory	0.13	0.11	-0.56	-1.46	-0.88	0.28	-0.16	0.75	-0.47	0.00	0.77
Ragsdale, Kirt	0.26	-0.98	-0.66	0.14	1.77	-0.29	-0.64	-0.25	-0.47	0.00	-1.55
Rodriguez, Edward	-1.41	0.51	-0.38	1.52	0.78	0.91	-0.51	-0.25	0.47	0.00	-1.89
Rodriguez, Jesus (Jesse)	-0.79	1.12	1.26	-1.29	-0.05	-0.49	1.86	-2.25	-0.47	0.00	0.77
Sanchez, Christopher	0.84	-0.20	-1.03	0.37	0.07	-0.55	-0.55	0.30	1.40	0.00	0.93
Schakel, J.J.	2.18	-0.07	0.25	0.67	6.18	0.97	-0.52	1.57	1.40	0.00	2.26
Seeck, Christian	1.28	-0.13	0.01	0.94	3.30	0.43	-0.96	0.48	1.40	0.00	1.35
Trevino, Robert	0.84	-1.05	-0.97	0.48	0.61	-0.97	-0.51	0.48	-0.47	0.00	0.85
MAXIMUM	-1.41	-1.71	1.68	1.52	-1.76	1.82	1.86	-2.25	-1.40	0.00	-1.89
MINIMUM	0.13	0.04	0.26	0.10	-0.05	0.12	-0.16	-0.25	-0.47	0.00	-0.48
RANGE(MAX-MIN)	-1.544	-1.754	1.426	1.421	-1.715	1.702	2.028	-2.002	-0.935	0.000	-1.409
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	15.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	28.51	22.54	0.58	19.35	0.31
Aguirre, Nancy P (rerate)	28.51	22.54	0.58	19.35	0.31
Arrizon, Richard	28.00	22.75	0.83	22.51	0.34
Bolaney, Jonathan	28.75	23.20	0.27	24.92	0.10
Dominguez, Lucio	29.50	22.79	0.47	29.20	0.22
Foecking, Brian	30.25	22.17	0.47	30.36	0.18
Kobrinetz, Joaquin J.	27.79	23.08	0.32	22.86	0.20
Kunk, Daniel	29.50	21.68	0.21	23.62	0.23
Price, Gregory	28.75	22.11	1.38	19.92	0.30
Rodriguez, Edward	28.00	22.38	0.68	21.33	0.40
Veiga, Victor	29.50	22.51	0.10	21.80	0.20
MAXIMUM	30.25	23.08	1.38	30.36	0.40
MINIMUM	27.79	22.11	0.32	19.35	0.18
RANGE(MAX-MIN)	2.460	0.970	1.060	11.010	0.220
MEAN	28.800	22.512	0.650	23.837	0.268
STANDARD DEVIATION	0.932	0.373	0.377	4.775	0.100
N SIZE	11.000				

Part ID= B7 - DV4 PISTON

B7 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	L2TOT	L3TOT
Aguirre, Nancy P	-0.31	0.08	-0.19	-0.94	0.42
Aguirre, Nancy P (rerate)	-0.31	0.08	-0.19	-0.94	0.42
Arrizon, Richard	-0.86	0.64	0.48	-0.28	0.72
Bolaney, Jonathan	-0.05	1.84	-1.01	0.23	-1.68
Dominguez, Lucio	0.75	0.75	-0.48	1.12	-0.48
Foecking, Brian	1.56	-0.92	-0.48	1.37	-0.88
Kobrinetz, Joaquin J.	-1.08	1.52	-0.87	-0.20	-0.68
Kunk, Daniel	0.75	-2.23	-1.17	-0.05	-0.38
Price, Gregory	-0.05	-1.08	1.93	-0.82	0.32
Rodriguez, Edward	-0.86	-0.35	0.08	-0.52	1.32
Veiga, Victor	0.75	0.00	-1.46	-0.43	-0.68
MAXIMUM	1.56	1.52	1.93	1.37	1.32
MINIMUM	-0.05	0.08	0.08	-0.20	0.32
RANGE(MAX-MIN)	1.610	1.447	1.855	1.571	1.000
MEAN	0.000	0.000	0.000	0.000	0.000
STANDARD DEVIATION	1.000	1.000	1.000	1.000	0.835
N SIZE	11.000				

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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
Aguirre, Nancy P (rerate)	25.25	39.25	1.46	1.10	2.29	29.32	3.01	6.00	27.00	0.00
Barrera, Tony	25.00	38.05	1.48	0.84	4.14	30.82	2.59	8.00	34.00	0.00
DeCapite, Vanessa	25.50	39.56	1.00	1.06	2.32	28.75	2.95	5.00	37.00	0.00
Dominguez, Lucio	25.00	38.02	1.52	0.76	2.93	34.55	3.15	9.00	34.00	0.00
Foecking, Brian	25.18	41.02	1.42	1.03	2.73	29.50	3.28	5.00	32.00	0.00
Kobrinetz, Joaquin J.	25.25	39.52	1.60	0.70	3.06	28.75	3.14	8.00	51.00	0.00
Kunk, Daniel	24.79	41.04	1.28	0.79	3.67	28.75	4.74	5.00	44.00	0.00
Lopez, Frank	25.50	41.77	1.32	1.09	6.72	31.00	3.53	5.00	29.00	0.00
Price, Gregory	25.25	33.52	0.96	0.59	2.63	27.04	2.47	5.00	34.00	0.00
Sanchez, Arthur	27.25	43.75	1.27	0.96	4.69	28.00	2.60	8.00	28.00	0.00
Sanchez, Arthur (rerate)	27.25	43.75	1.27	0.96	4.69	28.00	2.60	8.00	28.00	0.00
Schakel, J.J.	25.50	56.06	1.51	0.87	2.21	68.50	3.30	5.00	50.00	0.00
Seeck, Christian	33.25	36.52	0.50	0.19	2.33	28.00	2.20	5.00	57.00	0.00
Veiga, Victor	25.50	42.26	1.27	0.78	3.27	27.25	2.66	5.00	30.00	0.00
Xu, Raphael	25.50	40.28	1.11	0.75	2.27	29.29	2.55	8.00	45.00	0.00
Yan, Thomas	25.00	42.40	0.97	0.85	4.36	33.05	2.81	7.00	28.00	0.00
MAXIMUM	25.50	43.75	1.60	1.09	6.72	34.55	3.53	9.00	51.00	0.00
MINIMUM	25.00	33.52	0.96	0.59	2.32	27.04	2.47	5.00	28.00	0.00
RANGE(MAX-MIN)	0.500	10.230	0.640	0.500	4.400	7.510	1.060	4.000	23.000	0.000
MEAN	25.240	39.401	1.321	0.879	3.653	29.801	2.964	6.625	34.875	0.000
STANDARD DEVIATION	0.206	3.059	0.236	0.184	1.477	2.336	0.378	1.768	7.140	0.100
N SIZE	16.000									

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
Aguirre, Nancy P (rerate)	0.05	-0.05	0.59	1.20	-0.92	-0.21	0.12	-0.35	-1.10	0.00
Barrera, Tony	-1.17	-0.44	0.67	-0.21	0.33	0.44	-0.99	0.78	-0.12	0.00
DeCapite, Vanessa	1.26	0.05	-1.36	0.98	-0.90	-0.45	-0.04	-0.92	0.30	0.00
Dominguez, Lucio	-1.17	-0.45	0.84	-0.64	-0.49	2.03	0.49	1.34	-0.12	0.00
Foecking, Brian	-0.29	0.53	0.42	0.82	-0.62	-0.13	0.84	-0.92	-0.40	0.00
Kobrinetz, Joaquin J.	0.05	0.04	1.18	-0.97	-0.40	-0.45	0.47	0.78	2.26	0.00
Kunk, Daniel	-2.19	0.54	-0.18	-0.48	0.01	-0.45	-3.23	-0.92	1.28	0.00
Lopez, Frank	1.26	0.77	-0.01	1.15	2.08	0.51	1.50	-0.92	-0.82	0.00
Price, Gregory	0.05	-1.92	-1.53	-1.57	-0.69	-1.18	-1.30	-0.92	-0.12	0.00
Sanchez, Arthur	9.77	1.42	-0.22	0.44	0.70	-0.77	-0.96	0.78	-0.96	0.00
Sanchez, Arthur (rerate)	9.77	1.42	-0.22	0.44	0.70	-0.77	-0.96	0.78	-0.96	0.00
Schakel, J.J.	1.26	5.45	0.80	-0.05	-0.98	16.57	0.89	-0.92	2.12	0.00
Seeck, Christian	38.92	-0.94	-3.49	-3.74	-0.90	-0.77	-2.02	-0.92	3.40	0.00
Veiga, Victor	1.26	0.93	-0.22	-0.54	-0.26	-1.09	-0.80	-0.92	-0.68	0.00
Xu, Raphael	1.26	0.29	-0.90	-0.70	-0.94	-0.22	-1.09	0.78	1.42	0.00
Yan, Thomas	-1.17	0.98	-1.49	-0.16	0.48	1.39	-0.41	0.21	-0.96	0.00
MAXIMUM	1.26	-1.92	-1.53	-1.57	2.08	2.03	1.50	1.34	2.26	0.00
MINIMUM	0.05	0.04	-0.01	-0.21	0.33	-0.13	-0.04	0.78	-0.12	0.00
RANGE(MAX-MIN)	1.215	-1.961	-1.528	-1.356	1.747	2.162	1.533	0.566	2.381	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	16.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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
Aguirre, Nancy P (rerate)	56.25	21.98	0.86	0.47	3.98	26.60	0.37	54.00	12.00	0.00
Barrera, Tony	53.00	22.05	0.78	0.36	5.53	27.17	0.89	56.00	13.00	0.00
DeCapite, Vanessa	55.50	21.25	0.83	0.46	3.85	25.60	0.60	64.00	5.00	0.00
Dominguez, Lucio	57.25	22.06	0.87	0.38	4.46	28.99	0.99	56.00	13.00	0.00
Foecking, Brian	57.00	19.04	0.75	0.31	4.99	25.24	0.48	62.00	7.00	0.00
Kobrinetz, Joaquin J.	58.75	20.70	0.71	0.40	3.97	26.35	0.70	58.00	12.00	0.00
Lopez, Frank	67.50	21.45	0.88	0.73	8.19	25.17	1.20	64.00	11.00	0.00
Price, Gregory	54.25	20.42	0.56	0.49	4.95	23.34	0.56	61.00	4.00	0.00
Sanchez, Arthur (rerate)	58.75	21.07	0.82	0.45	5.89	26.35	0.69	57.00	8.00	0.00
Schakel, J.J.	67.50	17.28	1.18	0.58	2.62	33.47	2.15	50.00	60.00	0.00
Seeck, Christian	64.25	21.92	0.30	0.12	3.75	24.64	0.81	61.00	9.00	0.00
Xu, Raphael	60.00	21.72	0.79	0.60	2.65	28.58	0.67	63.00	6.00	0.00
Yan, Thomas	56.75	21.42	0.75	0.50	7.10	28.27	0.81	55.00	6.00	0.00
MAXIMUM	67.50	22.06	0.88	0.73	8.19	28.99	1.20	64.00	13.00	0.00
MINIMUM	53.00	19.04	0.56	0.31	3.85	23.34	0.48	56.00	4.00	0.00
RANGE(MAX-MIN)	14.500	3.020	0.320	0.420	4.340	5.650	0.720	8.000	9.000	0.000
MEAN	57.607	20.996	0.769	0.447	5.134	25.980	0.774	60.143	9.286	0.000
STANDARD DEVIATION	4.772	1.061	0.111	0.139	1.472	1.776	0.261	3.485	3.861	0.100
N SIZE	13.000									

Part ID= C2 - KEYSTONE

C2 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Aguirre, Nancy P (rerate)	-0.28	0.93	0.82	0.17	-0.78	0.35	-1.55	-1.76	0.70	0.00
Barrera, Tony	-0.97	0.99	0.10	-0.63	0.27	0.67	0.44	-1.19	0.96	0.00
DeCapite, Vanessa	-0.44	0.24	0.55	0.09	-0.87	-0.21	-0.67	1.11	-1.11	0.00
Dominguez, Lucio	-0.07	1.00	0.91	-0.48	-0.46	1.69	0.83	-1.19	0.96	0.00
Foecking, Brian	-0.13	-1.84	-0.17	-0.99	-0.10	-0.42	-1.13	0.53	-0.59	0.00
Kobrinetz, Joaquin J.	0.24	-0.28	-0.53	-0.34	-0.79	0.21	-0.28	-0.61	0.70	0.00
Lopez, Frank	2.07	0.43	1.00	2.04	2.08	-0.46	1.63	1.11	0.44	0.00
Price, Gregory	-0.70	-0.54	-1.88	0.31	-0.13	-1.49	-0.82	0.25	-1.37	0.00
Sanchez, Arthur (rerate)	0.24	0.07	0.46	0.02	0.51	0.21	-0.32	-0.90	-0.33	0.00
Schakel, J.J.	2.07	-3.50	3.71	0.96	-1.71	4.22	5.27	-2.91	13.14	0.00
Seeck, Christian	1.39	0.87	-4.22	-2.36	-0.94	-0.75	0.14	0.25	-0.07	0.00
Xu, Raphael	0.50	0.68	0.19	1.10	-1.69	1.46	-0.40	0.82	-0.85	0.00
Yan, Thomas	-0.18	0.40	-0.17	0.38	1.34	1.29	0.14	-1.48	-0.85	0.00
MAXIMUM	2.07	-1.84	-1.88	2.04	2.08	1.69	1.63	-1.19	-1.37	0.00
MINIMUM	-0.07	0.24	0.10	0.09	-0.10	0.21	-0.28	0.25	0.44	0.00
RANGE(MAX-MIN)	2.148	-2.082	-1.983	1.949	2.173	1.486	1.914	-1.435	-1.813	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	13.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= C3 - KEYSTONE

Rated Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	25.75	26.50	1.73	1.49	3.05	35.11	2.67	12.00	20.00	0.00
DeCapite, Vanessa	25.00	25.75	1.55	1.25	2.05	30.08	3.31	5.00	9.00	0.00
Foecking, Brian	25.50	25.75	1.67	1.51	1.75	29.16	3.44	5.00	15.00	0.00
Kobrinetz, Joaquin J.	25.00	28.00	1.50	1.20	1.21	27.04	2.96	7.00	42.00	0.00
Lopez, Frank	25.25	25.00	1.69	0.98	4.71	30.90	3.08	16.00	20.00	0.00
Price, Gregory	25.00	25.75	1.12	0.76	1.61	24.84	2.36	6.00	29.00	0.00
Sanchez, Arthur (rerate)	25.75	26.50	1.44	0.68	1.47	6.53	1.92	7.00	20.00	0.00
Schakel, J.J.	25.75	28.75	1.94	1.58	2.22	64.26	3.51	10.00	65.00	0.00
Seeck, Christian	26.00	25.75	1.13	0.36	2.06	28.30	2.61	7.00	42.00	0.00
Xu, Raphael	25.25	26.50	1.50	0.91	1.63	27.55	2.92	7.00	25.00	0.00
Yan, Thomas	25.00	26.50	1.74	1.20	3.95	28.40	2.74	7.00	28.00	0.00
MAXIMUM	25.75	28.00	1.73	1.51	4.71	35.11	3.44	16.00	42.00	0.00
MINIMUM	25.00	25.00	1.12	0.76	1.21	24.84	2.36	5.00	9.00	0.00
RANGE(MAX-MIN)	0.750	3.000	0.610	0.750	3.500	10.270	1.080	11.000	33.000	0.000
MEAN	25.250	26.125	1.543	1.198	2.397	29.522	2.970	8.500	22.500	0.000
STANDARD DEVIATION	0.316	1.034	0.225	0.291	1.292	3.511	0.403	4.506	11.606	0.100
N SIZE	11.000									

Part ID= C3 - KEYSTONE

C3 Y1 Values

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

Rater	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	2ndGF	TLHC
Barrera, Tony	1.58	0.36	0.83	1.00	0.51	1.59	-0.75	0.78	-0.22	0.00
DeCapite, Vanessa	-0.79	-0.36	0.03	0.18	-0.27	0.16	0.84	-0.78	-1.16	0.00
Foecking, Brian	0.79	-0.36	0.56	1.07	-0.50	-0.10	1.17	-0.78	-0.65	0.00
Kobrinetz, Joaquin J.	-0.79	1.81	-0.19	0.01	-0.92	-0.71	-0.02	-0.33	1.68	0.00
Lopez, Frank	0.00	-1.09	0.65	-0.75	1.79	0.39	0.27	1.66	-0.22	0.00
Price, Gregory	-0.79	-0.36	-1.88	-1.50	-0.61	-1.33	-1.51	-0.55	0.56	0.00
Sanchez, Arthur (rerate)	1.58	0.36	-0.46	-1.78	-0.72	-6.83	-2.61	-0.33	-0.22	0.00
Schakel, J.J.	1.58	2.54	1.76	1.31	-0.14	7.05	1.34	0.33	3.66	0.00
Seeck, Christian	2.37	-0.36	-1.84	-2.88	-0.26	-0.35	-0.89	-0.33	1.68	0.00
Xu, Raphael	0.00	0.36	-0.19	-0.99	-0.59	-0.56	-0.12	-0.33	0.22	0.00
Yan, Thomas	-0.79	0.36	0.87	0.01	1.20	-0.32	-0.57	-0.33	0.47	0.00
MAXIMUM	1.58	1.81	-1.88	-1.50	1.79	1.59	-1.51	1.66	1.68	0.00
MINIMUM	0.00	0.36	0.03	0.01	-0.27	-0.10	-0.02	-0.33	-0.22	0.00
RANGE(MAX-MIN)	1.581	1.451	-1.910	-1.510	2.059	1.695	-1.490	1.998	1.896	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	11.000									

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	61.55	9.73	1.50	27.11	37.55	5.07	1.50	57.00	2.00	14.00	40.00	
DeCapite, Vanessa	57.50	10.73	0.90	18.15	32.50	8.60	3.76	60.00	1.00	5.00	45.00	
Dominguez, Lucio	41.54	11.57	1.62	16.53	42.02	7.77	1.78	57.00	2.00	0.00	40.00	
Foeking, Brian	59.25	9.19	0.87	20.06	32.50	8.84	4.32	68.00	1.00	7.00	30.00	
Kobrinetz, Joaquin J.	60.28	10.56	1.10	19.89	33.03	6.92	1.47	70.00	1.00	7.00	51.00	
Kunk, Daniel	54.60	10.24	1.72	20.93	33.78	5.29	2.22	47.00	2.00	5.00	40.00	
Lopez, Frank	53.10	9.61	1.50	23.21	35.50	6.02	1.27	49.00	1.00	9.00	40.00	
Schakel, J.J.	68.03	9.62	1.50	25.19	59.50	5.65	3.06	50.00	5.00	13.00	70.00	
Seeck, Christian	51.27	12.08	2.64	22.15	41.81	7.63	1.68	61.00	2.00	9.00	55.00	
Xu, Raphael	57.58	10.66	1.35	21.69	36.02	6.46	1.50	74.00	1.00	10.00	53.00	
Yan, Thomas	54.60	9.90	1.50	23.74	36.80	7.23	1.98	47.00	1.00	12.00	40.00	
MAXIMUM	61.55	11.57	1.62	27.11	42.02	8.84	4.32	70.00	2.00	14.00	51.00	
MINIMUM	41.54	9.19	0.87	16.53	32.50	5.07	1.27	49.00	1.00	0.00	30.00	
RANGE(MAX-MIN)	20.010	2.380	0.750	10.580	9.520	3.770	3.050	21.000	1.000	14.000	21.000	
MEAN	55.537	10.232	1.248	20.825	35.517	7.203	2.350	60.167	1.333	7.000	41.000	
STANDARD DEVIATION	7.459	0.880	0.332	3.801	3.763	1.482	1.331	7.782	0.516	4.604	6.928	
N SIZE	11.000											

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	0.81	-0.57	0.76	1.65	0.54	-1.44	-0.64	-0.41	1.29	1.52	-0.14	
DeCapite, Vanessa	0.26	0.57	-1.05	-0.70	-0.80	0.94	1.06	-0.02	-0.65	-0.43	0.58	
Dominguez, Lucio	-1.88	1.52	1.12	-1.13	1.73	0.38	-0.43	-0.41	1.29	-1.52	-0.14	
Foeking, Brian	0.50	-1.18	-1.14	-0.20	-0.80	1.10	1.48	1.01	-0.65	0.00	-1.59	
Kobrinetz, Joaquin J.	0.64	0.37	-0.45	-0.25	-0.66	-0.19	-0.66	1.26	-0.65	0.00	1.44	
Kunk, Daniel	-0.13	0.01	1.42	0.03	-0.46	-1.29	-0.10	-1.69	1.29	-0.43	-0.14	
Lopez, Frank	-0.33	-0.71	0.76	0.63	0.00	-0.80	-0.81	-1.43	-0.65	0.43	-0.14	
Schakel, J.J.	1.68	-0.70	0.76	1.15	6.37	-1.05	0.53	-1.31	7.10	1.30	4.19	
Seeck, Christian	-0.57	2.10	4.19	0.35	1.67	0.29	-0.50	0.11	1.29	0.43	2.02	
Xu, Raphael	0.27	0.49	0.31	0.23	0.13	-0.50	-0.64	1.78	-0.65	0.65	1.73	
Yan, Thomas	-0.13	-0.38	0.76	0.77	0.34	0.02	-0.28	-1.69	-0.65	1.09	-0.14	
MAXIMUM	-1.88	1.52	-1.14	1.65	1.73	-1.44	1.48	-1.43	1.29	1.52	-1.59	
MINIMUM	0.26	0.37	-0.45	-0.20	0.00	-0.19	-0.43	-0.02	-0.65	0.00	-0.14	
RANGE(MAX-MIN)	-2.140	1.148	-0.693	1.855	1.733	-1.248	1.908	-1.414	1.937	1.520	-1.443	
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	11.000											



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	57.25	14.96	5.26	7.29	29.86	1.50	1.50	48.00	2.00	0.00	34.00
DeCapite, Vanessa	44.00	12.30	4.95	5.60	31.87	1.50	3.00	52.00	1.00	0.00	42.00
Foecking, Brian	42.00	12.21	4.98	5.99	31.08	1.72	4.26	45.00	1.00	0.00	27.00
Kobrinetz, Joaquin J.	50.25	11.18	4.62	6.56	31.35	1.50	1.62	50.00	1.00	0.00	47.00
Lopez, Frank	49.50	13.22	2.26	5.99	31.30	1.50	1.50	50.00	2.00	0.00	29.00
Price, Gregory	48.00	10.08	3.30	4.09	27.61	1.95	3.60	52.00	2.00	0.00	36.00
Schakel, J.J.	71.50	5.53	5.77	7.29	41.15	1.62	3.16	50.00	5.00	0.00	50.00
Seeck, Christian	58.00	13.43	4.74	4.60	42.54	1.50	1.80	50.00	2.00	0.00	56.00
Xu, Raphael	57.25	11.60	3.78	6.77	30.34	1.50	1.80	50.00	2.00	0.00	45.00
Yan, Thomas	52.25	13.79	3.07	6.96	30.96	1.80	1.98	50.00	1.00	0.00	29.00
MAXIMUM	57.25	14.96	5.26	7.29	31.87	1.95	4.26	52.00	2.00	0.00	47.00
MINIMUM	42.00	10.08	2.26	4.09	27.61	1.50	1.50	45.00	1.00	0.00	27.00
RANGE(MAX-MIN)	15.250	4.880	3.000	3.200	4.260	0.450	2.760	7.000	1.000	0.000	20.000
MEAN	48.500	12.325	4.228	5.920	30.512	1.612	2.580	49.500	1.500	0.000	35.833
STANDARD DEVIATION	5.355	1.680	1.187	1.072	1.571	0.188	1.208	2.665	0.548	0.100	7.627
N SIZE	10.000										

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	1.63	1.57	0.87	1.28	-0.41	-0.60	-0.89	-0.56	0.91	0.00	-0.24
DeCapite, Vanessa	-0.84	-0.01	0.61	-0.30	0.86	-0.60	0.35	0.94	-0.91	0.00	0.81
Foecking, Brian	-1.21	-0.07	0.63	0.07	0.36	0.58	1.39	-1.69	-0.91	0.00	-1.16
Kobrinetz, Joaquin J.	0.33	-0.68	0.33	0.60	0.53	-0.60	-0.79	0.19	-0.91	0.00	1.46
Lopez, Frank	0.19	0.53	-1.66	0.07	0.50	-0.60	-0.89	0.19	0.91	0.00	-0.90
Price, Gregory	-0.09	-1.34	-0.78	-1.71	-1.85	1.80	0.84	0.94	0.91	0.00	0.02
Schakel, J.J.	4.30	-4.05	1.30	1.28	6.77	0.04	0.48	0.19	6.39	0.00	1.86
Seeck, Christian	1.77	0.66	0.43	-1.23	7.66	-0.60	-0.65	0.19	0.91	0.00	2.64
Xu, Raphael	1.63	-0.43	-0.38	0.79	-0.11	-0.60	-0.65	0.19	0.91	0.00	1.20
Yan, Thomas	0.70	0.87	-0.98	0.97	0.29	1.00	-0.50	0.19	-0.91	0.00	-0.90
MAXIMUM	1.63	1.57	-1.66	-1.71	-1.85	1.80	1.39	-1.69	0.91	0.00	1.46
MINIMUM	-0.09	-0.01	0.33	0.07	0.36	0.58	0.35	0.19	0.91	0.00	0.02
RANGE(MAX-MIN)	1.727	1.584	-1.989	-1.772	-2.209	1.226	1.043	-1.876	0.000	0.000	1.442
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	10.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	63.85	5.83	4.35	17.80	29.91	1.50	1.50	59.00	1.00	6.00	18.00
DeCapite, Vanessa	38.31	6.08	3.30	12.71	30.56	1.80	3.00	48.00	1.00	2.00	20.00
Foecking, Brian	42.78	5.36	4.00	13.51	27.03	1.93	4.26	50.00	0.00	3.00	12.00
Hayden, Matthew	53.25	5.78	3.30	12.60	28.75	1.50	1.50	49.00	0.00	2.00	22.00
Kobrinetz, Joaquin J.	51.28	5.05	2.16	14.01	27.02	1.50	1.54	53.00	1.00	2.00	32.00
Kunk, Daniel	42.29	5.05	2.64	11.66	27.03	1.86	2.10	50.00	1.00	2.00	12.00
Lopez, Frank	49.55	5.35	2.26	18.26	26.27	1.50	1.50	52.00	0.00	5.00	24.00
Price, Gregory	40.82	5.29	3.60	13.25	25.31	2.34	1.50	51.00	1.00	4.00	24.00
Schakel, J.J.	70.50	4.97	4.42	17.42	31.40	3.84	4.44	45.00	2.00	7.00	50.00
Seeck, Christian	60.06	5.14	4.02	14.49	34.62	1.92	2.08	57.00	1.00	5.00	40.00
Xu, Raphael	58.87	4.83	2.26	13.75	27.54	1.86	1.50	58.00	1.00	4.00	25.00
Yan, Thomas	56.95	5.23	1.98	15.91	26.30	2.14	1.80	46.00	1.00	6.00	18.00
MAXIMUM	63.85	6.08	4.35	18.26	30.56	2.34	4.26	59.00	1.00	6.00	32.00
MINIMUM	38.31	5.05	2.16	12.71	25.31	1.50	1.50	48.00	0.00	2.00	12.00
RANGE(MAX-MIN)	25.540	1.030	2.190	5.550	5.250	0.840	2.760	11.000	1.000	4.000	20.000
MEAN	47.765	5.493	3.278	14.923	27.683	1.762	2.217	52.167	0.667	3.667	21.667
STANDARD DEVIATION	9.346	0.383	0.901	2.447	2.085	0.338	1.165	3.764	0.516	1.633	6.743
N SIZE	12.000										

Part ID= C6 - C13-STYLE

C6 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	1.72	0.88	1.19	1.18	1.07	-0.78	-0.62	1.82	0.65	1.43	-0.54
DeCapite, Vanessa	-1.01	1.53	0.02	-0.90	1.38	0.11	0.67	-1.11	0.65	-1.02	-0.25
Foecking, Brian	-0.53	-0.35	0.80	-0.58	-0.31	0.50	1.75	-0.58	-1.29	-0.41	-1.43
Hayden, Matthew	0.59	0.75	0.02	-0.95	0.51	-0.78	-0.62	-0.84	-1.29	-1.02	0.05
Kobrinetz, Joaquin J.	0.38	-1.16	-1.24	-0.37	-0.32	-0.78	-0.58	0.22	0.65	-1.02	1.53
Kunk, Daniel	-0.59	-1.16	-0.71	-1.33	-0.31	0.29	-0.10	-0.58	0.65	-1.02	-1.43
Lopez, Frank	0.19	-0.37	-1.13	1.36	-0.68	-0.78	-0.62	-0.04	-1.29	0.82	0.35
Price, Gregory	-0.74	-0.53	0.36	-0.68	-1.14	1.71	-0.62	-0.31	0.65	0.20	0.35
Schakel, J.J.	2.43	-1.37	1.27	1.02	1.78	6.16	1.91	-1.90	2.58	2.04	4.20
Seeck, Christian	1.32	-0.92	0.82	-0.18	3.33	0.47	-0.12	1.28	0.65	0.82	2.72
Xu, Raphael	1.19	-1.73	-1.13	-0.48	-0.07	0.29	-0.62	1.55	0.65	0.20	0.49
Yan, Thomas	0.98	-0.69	-1.44	0.40	-0.66	1.12	-0.36	-1.64	0.65	1.43	-0.54
MAXIMUM	1.72	1.53	-1.24	1.36	1.38	1.71	1.75	1.82	-1.29	1.43	1.53
MINIMUM	0.19	-0.35	0.02	-0.37	-0.31	0.11	-0.58	-0.04	0.65	0.20	-0.25
RANGE(MAX-MIN)	1.530	1.880	-1.265	1.737	1.693	1.600	2.335	1.860	-1.937	1.225	1.780
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	12.000										

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	28.55	68.50	16.64	65.02	21.72
DeCapite, Vanessa	22.52	62.50	19.57	54.51	18.83
Foecking, Brian	25.00	66.25	16.75	45.75	16.75
Hayden, Matthew	19.46	49.75	15.87	28.75	17.07
Kobrinetz, Joaquin J.	22.31	65.50	16.64	55.51	17.53
Kunk, Daniel	21.20	64.75	16.93	35.04	17.12
Price, Gregory	20.02	59.50	17.75	38.76	17.74
Veiga, Victor	21.87	58.00	18.18	54.50	18.97
MAXIMUM	28.55	68.50	19.57	65.02	21.72
MINIMUM	20.02	59.50	16.64	38.76	16.75
RANGE(MAX-MIN)	8.530	9.000	2.930	26.260	4.970
MEAN	23.680	64.450	17.470	51.910	18.514
STANDARD DEVIATION	3.243	3.502	1.263	10.031	1.940
N SIZE	8.000				

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	1.50	1.16	-0.66	1.31	1.65
DeCapite, Vanessa	-0.36	-0.56	1.66	0.26	0.16
Foecking, Brian	0.41	0.51	-0.57	-0.61	-0.91
Hayden, Matthew	-1.30	-4.20	-1.27	-2.31	-0.74
Kobrinetz, Joaquin J.	-0.42	0.30	-0.66	0.36	-0.51
Kunk, Daniel	-0.76	0.09	-0.43	-1.68	-0.72
Price, Gregory	-1.13	-1.41	0.22	-1.31	-0.40
Veiga, Victor	-0.56	-1.84	0.56	0.26	0.24
MAXIMUM	1.50	-1.41	1.66	-1.31	1.65
MINIMUM	-0.36	0.30	0.22	0.26	0.16
RANGE(MAX-MIN)	1.859	-1.713	1.441	-1.570	1.490
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	8.000				

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	14.00	10.00	29.00	31.00	15.00	25.00
DeCapite, Vanessa	20.00	14.00	56.00	57.00	37.00	38.00
Dominguez, Lucio	20.00	17.00	59.00	50.00	33.00	37.00
Hayden, Matthew	16.00	11.00	70.00	53.00	31.00	42.00
hidayat, mohammad rachman	9.00	8.00	59.00	36.00	18.00	30.00
Kobrinetz, Joaquin J.	12.00	8.00	56.00	40.00	18.00	26.00
Price, Gregory	15.00	10.00	58.00	47.00	20.00	20.00
Sanchez, Arthur	20.00	11.00	59.00	51.00	34.00	29.00
Sanchez, Christopher	11.00	10.00	51.00	46.00	32.00	29.00
Seeck, Christian	22.00	12.00	81.00	55.00	34.00	41.00
Trevino, Robert	11.00	9.00	52.00	44.00	32.00	31.00
Yan, Thomas	13.00	9.00	40.00	29.00	16.00	23.00
MAXIMUM	22.00	17.00	81.00	57.00	37.00	42.00
MINIMUM	9.00	8.00	29.00	29.00	15.00	20.00
RANGE(MAX-MIN)	13.000	9.000	52.000	28.000	22.000	22.000
MEAN	15.250	10.750	55.833	44.917	26.667	30.917
STANDARD DEVIATION	4.330	2.598	13.065	9.209	8.392	7.141
N SIZE	12.000					

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

J1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	-0.29	-0.29	-2.05	-1.51	-1.39	-0.83
DeCapite, Vanessa	1.10	1.25	0.01	1.31	1.23	0.99
Dominguez, Lucio	1.10	2.41	0.24	0.55	0.75	0.85
Hayden, Matthew	0.17	0.10	1.08	0.88	0.52	1.55
hidayat, mohammad rachman	-1.44	-1.06	0.24	-0.97	-1.03	-0.13
Kobrinetz, Joaquin J.	-0.75	-1.06	0.01	-0.53	-1.03	-0.69
Price, Gregory	-0.06	-0.29	0.17	0.23	-0.79	-1.53
Sanchez, Arthur	1.10	0.10	0.24	0.66	0.87	-0.27
Sanchez, Christopher	-0.98	-0.29	-0.37	0.12	0.64	-0.27
Seeck, Christian	1.56	0.48	1.93	1.09	0.87	1.41
Trevino, Robert	-0.98	-0.67	-0.29	-0.10	0.64	0.01
Yan, Thomas	-0.52	-0.67	-1.21	-1.73	-1.27	-1.11
MAXIMUM	1.56	2.41	-2.05	-1.73	-1.39	1.55
MINIMUM	-0.06	0.10	0.01	-0.10	0.52	0.01
RANGE(MAX-MIN)	1.617	2.309	-2.067	-1.629	-1.907	1.540
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 (Sept.30-Oct.4 2019)

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

Rated Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	20.00	50.00	37.00	16.00	45.00	21.00
DeCapite, Vanessa	33.00	58.00	61.00	25.00	57.00	35.00
Demel, Samuel	49.00	70.00	59.00	39.00	60.00	41.00
Dominguez, Lucio	40.00	60.00	61.00	32.00	64.00	38.00
Hayden, Matthew	46.00	56.00	48.00	31.00	54.00	32.00
hidayat, mohammad rachman	35.00	55.00	52.00	20.00	54.00	26.00
Kobrinetz, Joaquin J.	33.00	54.00	45.00	17.00	46.00	25.00
Price, Gregory	35.00	44.00	40.00	16.00	42.00	20.00
Sanchez, Arthur	59.00	77.00	50.00	21.00	52.00	31.00
Sanchez, Christopher	41.00	60.00	54.00	25.00	55.00	30.00
Seeck, Christian	48.00	66.00	62.00	30.00	64.00	28.00
Trevino, Robert	40.00	58.00	52.00	23.00	56.00	29.00
Yan, Thomas	21.00	44.00	47.00	15.00	38.00	16.00
MAXIMUM	59.00	77.00	62.00	39.00	64.00	41.00
MINIMUM	20.00	44.00	37.00	15.00	38.00	16.00
RANGE(MAX-MIN)	39.000	33.000	25.000	24.000	26.000	25.000
MEAN	38.462	57.846	51.385	23.846	52.846	28.615
STANDARD DEVIATION	10.883	9.406	8.026	7.414	8.071	7.148
N SIZE	13.000					

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

K1-6 YI Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Bolaney, Jonathan	-1.70	-0.83	-1.79	-1.06	-0.97	-1.07
DeCapite, Vanessa	-0.50	0.02	1.20	0.16	0.51	0.89
Demel, Samuel	0.97	1.29	0.95	2.04	0.89	1.73
Dominguez, Lucio	0.14	0.23	1.20	1.10	1.38	1.31
Hayden, Matthew	0.69	-0.20	-0.42	0.96	0.14	0.47
hidayat, mohammad rachman	-0.32	-0.30	0.08	-0.52	0.14	-0.37
Kobrinetz, Joaquin J.	-0.50	-0.41	-0.80	-0.92	-0.85	-0.51
Price, Gregory	-0.32	-1.47	-1.42	-1.06	-1.34	-1.21
Sanchez, Arthur	1.89	2.04	-0.17	-0.38	-0.10	0.33
Sanchez, Christopher	0.23	0.23	0.33	0.16	0.27	0.19
Seeck, Christian	0.88	0.87	1.32	0.83	1.38	-0.09
Trevino, Robert	0.14	0.02	0.08	-0.11	0.39	0.05
Yan, Thomas	-1.60	-1.47	-0.55	-1.19	-1.84	-1.77
MAXIMUM	1.89	2.04	-1.79	2.04	-1.84	-1.77
MINIMUM	0.14	0.02	0.08	-0.11	-0.10	0.05
RANGE(MAX-MIN)	1.746	2.020	-1.869	2.158	-1.735	-1.819
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	13.000					

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	74.00	55.00	31.00	32.00	15.00	22.00
Bolaney, Jonathan	32.00	32.00	20.00	28.00	20.00	23.00
DeCapite, Vanessa	67.00	53.00	45.00	51.00	25.00	26.00
Foecking, Brian	65.00	55.00	43.00	51.00	20.00	29.00
hidayat, mohammad rachman	37.00	42.00	40.00	38.00	22.00	24.00
Kobrinetz, Joaquin J.	53.00	45.00	31.00	28.00	16.00	19.00
Price, Gregory	57.00	38.00	33.00	40.00	18.00	23.00
Ragsdale, Kirt	64.00	52.00	46.00	48.00	34.00	28.00
Seeck, Christian	67.00	48.00	36.00	38.00	24.00	25.00
Xu, Raphael	65.00	50.00	46.00	42.00	24.00	25.00
MAXIMUM	74.00	55.00	46.00	51.00	34.00	29.00
MINIMUM	32.00	32.00	20.00	28.00	15.00	19.00
RANGE(MAX-MIN)	42.000	23.000	26.000	23.000	19.000	10.000
MEAN	58.100	47.000	37.100	39.600	21.800	24.400
STANDARD DEVIATION	13.723	7.703	8.491	8.618	5.473	2.914
N SIZE	10.000					

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	1.16	1.04	-0.72	-0.88	-1.24	-0.82
Bolaney, Jonathan	-1.90	-1.95	-2.01	-1.35	-0.33	-0.48
DeCapite, Vanessa	0.65	0.78	0.93	1.32	0.58	0.55
Foecking, Brian	0.50	1.04	0.69	1.32	-0.33	1.58
hidayat, mohammad rachman	-1.54	-0.65	0.34	-0.19	0.04	-0.14
Kobrinetz, Joaquin J.	-0.37	-0.26	-0.72	-1.35	-1.06	-1.85
Price, Gregory	-0.08	-1.17	-0.48	0.05	-0.69	-0.48
Ragsdale, Kirt	0.43	0.65	1.05	0.97	2.23	1.24
Seeck, Christian	0.65	0.13	-0.13	-0.19	0.40	0.21
Xu, Raphael	0.50	0.39	1.05	0.28	0.40	0.21
MAXIMUM	-1.90	-1.95	-2.01	-1.35	2.23	-1.85
MINIMUM	-0.08	0.13	-0.13	0.05	0.04	-0.14
RANGE(MAX-MIN)	-1.822	-2.077	-1.884	-1.392	2.193	-1.716
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	10.000					

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	48.00	58.00	21.00	12.00	34.00	40.00
Bolaney, Jonathan	24.00	26.00	16.00	16.00	26.00	29.00
DeCapite, Vanessa	59.00	66.00	30.00	22.00	50.00	45.00
Foecking, Brian	55.00	60.00	30.00	19.00	45.00	44.00
hidayat, mohammad rachman	44.00	60.00	27.00	19.00	42.00	38.00
Kobrinetz, Joaquin J.	37.00	44.00	16.00	14.00	35.00	31.00
Price, Gregory	31.00	54.00	16.00	12.00	35.00	34.00
Ragsdale, Kirt	52.00	69.00	37.00	25.00	47.00	46.00
Seeck, Christian	48.00	65.00	22.00	26.00	42.00	40.00
Xu, Raphael	48.00	52.00	21.00	20.00	40.00	40.00
MAXIMUM	59.00	69.00	37.00	26.00	50.00	46.00
MINIMUM	24.00	26.00	16.00	12.00	26.00	29.00
RANGE(MAX-MIN)	35.000	43.000	21.000	14.000	24.000	17.000
MEAN	44.600	55.400	23.600	18.500	39.600	38.700
STANDARD DEVIATION	10.916	12.677	7.168	4.994	7.168	5.794
N SIZE	10.000					

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	0.31	0.21	-0.36	-1.30	-0.78	0.22
Bolaney, Jonathan	-1.89	-2.32	-1.06	-0.50	-1.90	-1.67
DeCapite, Vanessa	1.32	0.84	0.89	0.70	1.45	1.09
Foecking, Brian	0.95	0.36	0.89	0.10	0.75	0.91
hidayat, mohammad rachman	-0.06	0.36	0.47	0.10	0.33	-0.12
Kobrinetz, Joaquin J.	-0.70	-0.90	-1.06	-0.90	-0.64	-1.33
Price, Gregory	-1.25	-0.11	-1.06	-1.30	-0.64	-0.81
Ragsdale, Kirt	0.68	1.07	1.87	1.30	1.03	1.26
Seeck, Christian	0.31	0.76	-0.22	1.50	0.33	0.22
Xu, Raphael	0.31	-0.27	-0.36	0.30	0.06	0.22
MAXIMUM	-1.89	-2.32	1.87	1.50	-1.90	-1.67
MINIMUM	-0.06	-0.11	-0.22	0.10	0.06	-0.12
RANGE(MAX-MIN)	-1.832	-2.209	2.093	1.402	-1.953	-1.553
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	10.000					

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	14.00	54.00	20.00	27.00	50.00	53.00
Bolaney, Jonathan	18.00	46.00	20.00	30.00	37.00	40.00
Dominguez, Lucio	24.00	52.00	34.00	36.00	58.00	63.00
Foeking, Brian	21.00	64.00	32.00	35.00	60.00	67.00
Hayden, Matthew	22.00	54.00	33.00	33.00	48.00	49.00
Kobrinetz, Joaquin J.	14.00	46.00	20.00	23.00	32.00	41.00
Price, Gregory	17.00	44.00	14.00	26.00	34.00	38.00
Ragsdale, Kirt	22.00	62.00	34.00	42.00	60.00	61.00
Seeck, Christian	14.00	56.00	35.00	34.00	56.00	47.00
Xu, Raphael	20.00	59.00	27.00	34.00	58.00	64.00
Yan, Thomas	18.00	47.00	14.00	29.00	46.00	46.00
MAXIMUM	24.00	64.00	35.00	42.00	60.00	67.00
MINIMUM	14.00	44.00	14.00	23.00	32.00	38.00
RANGE(MAX-MIN)	10.000	20.000	21.000	19.000	28.000	29.000
MEAN	18.545	53.091	25.727	31.727	49.000	51.727
STANDARD DEVIATION	3.560	6.818	8.308	5.368	10.592	10.498
N SIZE	11.000					

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

N1-6 Y1 Values

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

Rater	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME
Barrera, Tony	-1.28	0.13	-0.69	-0.88	0.09	0.12
Bolaney, Jonathan	-0.15	-1.04	-0.69	-0.32	-1.13	-1.12
Dominguez, Lucio	1.53	-0.16	1.00	0.80	0.85	1.07
Foeking, Brian	0.69	1.60	0.76	0.61	1.04	1.45
Hayden, Matthew	0.97	0.13	0.88	0.24	-0.09	-0.26
Kobrinetz, Joaquin J.	-1.28	-1.04	-0.69	-1.63	-1.60	-1.02
Price, Gregory	-0.43	-1.33	-1.41	-1.07	-1.42	-1.31
Ragsdale, Kirt	0.97	1.31	1.00	1.91	1.04	0.88
Seeck, Christian	-1.28	0.43	1.12	0.42	0.66	-0.45
Xu, Raphael	0.41	0.87	0.15	0.42	0.85	1.17
Yan, Thomas	-0.15	-0.89	-1.41	-0.51	-0.28	-0.55
MAXIMUM	1.53	1.60	-1.41	1.91	-1.60	1.45
MINIMUM	-0.15	0.13	0.15	0.24	0.09	0.12
RANGE(MAX-MIN)	1.685	1.467	-1.565	1.677	-1.699	1.334
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	11.000					



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	37.00	10.00	18.00	20.00	14.00	20.00
Bolaney, Jonathan	31.00	10.00	16.00	16.00	14.00	12.00
Dominguez, Lucio	43.00	16.00	29.00	31.00	29.00	29.00
Foecking, Brian	49.00	10.00	26.00	32.00	30.00	32.00
Hayden, Matthew	30.00	8.00	20.00	20.00	16.00	16.00
Kobrinetz, Joaquin J.	30.00	9.00	16.00	16.00	15.00	13.00
Price, Gregory	34.00	8.00	15.00	19.00	13.00	11.00
Seeck, Christian	37.00	13.00	26.00	28.00	25.00	21.00
Xu, Raphael	40.00	11.00	25.00	31.00	28.00	26.00
Yan, Thomas	32.00	7.00	21.00	24.00	15.00	13.00
MAXIMUM	49.00	16.00	29.00	32.00	30.00	32.00
MINIMUM	30.00	7.00	15.00	16.00	13.00	11.00
RANGE(MAX-MIN)	19.000	9.000	14.000	16.000	17.000	21.000
MEAN	36.300	10.200	21.200	23.700	19.900	19.300
STANDARD DEVIATION	6.255	2.658	5.007	6.343	7.125	7.573
N SIZE	10.000					

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	0.11	-0.08	-0.64	-0.58	-0.83	0.09
Bolaney, Jonathan	-0.85	-0.08	-1.04	-1.21	-0.83	-0.96
Dominguez, Lucio	1.07	2.18	1.56	1.15	1.28	1.28
Foecking, Brian	2.03	-0.08	0.96	1.31	1.42	1.68
Hayden, Matthew	-1.01	-0.83	-0.24	-0.58	-0.55	-0.44
Kobrinetz, Joaquin J.	-1.01	-0.45	-1.04	-1.21	-0.69	-0.83
Price, Gregory	-0.37	-0.83	-1.24	-0.74	-0.97	-1.10
Seeck, Christian	0.11	1.05	0.96	0.68	0.72	0.22
Xu, Raphael	0.59	0.30	0.76	1.15	1.14	0.88
Yan, Thomas	-0.69	-1.20	-0.04	0.05	-0.69	-0.83
MAXIMUM	2.03	2.18	1.56	1.31	1.42	1.68
MINIMUM	0.11	-0.08	-0.04	0.05	-0.55	0.09
RANGE(MAX-MIN)	1.919	2.257	1.598	1.261	1.965	1.585
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	10.000					

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= ISMOP - ISM OIL PAN

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.11	
Barrera, Tony	9.01	
Bolaney, Jonathan	9.22	
CHEN, JIONGJING	9.27	
DeCapite, Vanessa	9.12	
Demel, Samuel	9.02	
Dominguez, Lucio	9.28	
Foecking, Brian	9.32	
Hayden, Matthew	9.25	
hidayat, mohammad rachman	9.08	
Kobrinetz, Joaquin J.	9.01	
Kunk, Daniel	9.17	
Langford, Mike	9.02	
Lopez, Frank	9.25	
Price, Gregory	9.07	
Ragsdale, Kirt	9.33	
Rodriguez, Edward	9.12	
Rodriguez, Jesus (Jesse)	9.09	
Sanchez, Arthur	9.08	
Sanchez, Christopher	9.03	
Trevino, Robert	9.03	
Veiga, Victor	9.14	
Xu, Raphael	9.14	
Yan, Thomas	9.07	
MAXIMUM	9.33	
MINIMUM	9.01	
RANGE(MAX-MIN)	0.320	
MEAN	9.135	
STANDARD DEVIATION	0.103	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= ISMOP - ISM OIL PAN

ISMOP Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	-0.24	
Barrera, Tony	-1.21	
Bolaney, Jonathan	0.83	
CHEN, JIONGJING	1.32	
DeCapite, Vanessa	-0.14	
Demel, Samuel	-1.11	
Dominguez, Lucio	1.41	
Foecking, Brian	1.80	
Hayden, Matthew	1.12	
hidayat, mohammad rachman	-0.53	
Kobrinetz, Joaquin J.	-1.21	
Kunk, Daniel	0.34	
Langford, Mike	-1.11	
Lopez, Frank	1.12	
Price, Gregory	-0.63	
Ragsdale, Kirt	1.90	
Rodriguez, Edward	-0.14	
Rodriguez, Jesus (Jesse)	-0.43	
Sanchez, Arthur	-0.53	
Sanchez, Christopher	-1.02	
Trevino, Robert	-1.02	
Veiga, Victor	0.05	
Xu, Raphael	0.05	
Yan, Thomas	-0.63	
MAXIMUM	1.90	
MINIMUM	0.05	
RANGE(MAX-MIN)	1.846	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= ISMRC - ISM ROCKER COVER

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.28	
Barrera, Tony	9.03	
Bolaney, Jonathan	9.23	
CHEN, JIONGJING	9.14	
DeCapite, Vanessa	9.14	
Demel, Samuel	9.07	
Dominguez, Lucio	9.29	
Foecking, Brian	9.50	
Hayden, Matthew	9.35	
hidayat, mohammad rachman	9.19	
Kobrinetz, Joaquin J.	9.07	
Kunk, Daniel	9.23	
Langford, Mike	9.09	
Lopez, Frank	9.25	
Price, Gregory	9.17	
Ragsdale, Kirt	9.40	
Rodriguez, Edward	9.35	
Rodriguez, Jesus (Jesse)	9.36	
Sanchez, Arthur	9.14	
Sanchez, Christopher	9.23	
Trevino, Robert	9.21	
Veiga, Victor	9.37	
Xu, Raphael	9.37	
Yan, Thomas	9.13	
MAXIMUM	9.50	
MINIMUM	9.03	
RANGE(MAX-MIN)	0.470	
MEAN	9.233	
STANDARD DEVIATION	0.122	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= ISMRC - ISM ROCKER COVER

ISMRC Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.39	
Barrera, Tony	-1.66	
Bolaney, Jonathan	-0.02	
CHEN, JIONGJING	-0.76	
DeCapite, Vanessa	-0.76	
Demel, Samuel	-1.33	
Dominguez, Lucio	0.47	
Foecking, Brian	2.18	
Hayden, Matthew	0.96	
hidayat, mohammad rachman	-0.35	
Kobrinetz, Joaquin J.	-1.33	
Kunk, Daniel	-0.02	
Langford, Mike	-1.17	
Lopez, Frank	0.14	
Price, Gregory	-0.51	
Ragsdale, Kirt	1.37	
Rodriguez, Edward	0.96	
Rodriguez, Jesus (Jesse)	1.04	
Sanchez, Arthur	-0.76	
Sanchez, Christopher	-0.02	
Trevino, Robert	-0.19	
Veiga, Victor	1.12	
Xu, Raphael	1.12	
Yan, Thomas	-0.84	
MAXIMUM	2.18	
MINIMUM	-0.02	
RANGE(MAX-MIN)	2.209	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCBL - RC BFL SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.43	
Barrera, Tony	9.24	
Bolaney, Jonathan	9.32	
CHEN, JIONGJING	9.35	
DeCapite, Vanessa	9.17	
Demel, Samuel	9.25	
Dominguez, Lucio	9.37	
Foecking, Brian	9.41	
Hayden, Matthew	9.34	
hidayat, mohammad rachman	9.20	
Kobrinetz, Joaquin J.	9.34	
Kunk, Daniel	9.39	
Langford, Mike	9.24	
Lopez, Frank	9.43	
Price, Gregory	9.15	
Ragsdale, Kirt	9.20	
Rodriguez, Edward	9.25	
Rodriguez, Jesus (Jesse)	9.21	
Sanchez, Arthur	9.34	
Sanchez, Christopher	9.29	
Trevino, Robert	9.29	
Veiga, Victor	9.33	
Xu, Raphael	9.36	
Yan, Thomas	9.31	
MAXIMUM	9.43	
MINIMUM	9.15	
RANGE(MAX-MIN)	0.280	
MEAN	9.300	
STANDARD DEVIATION	0.100	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCBL - RC BFL SLUDGE L

VRCBL Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	1.30	
Barrera, Tony	-0.60	
Bolaney, Jonathan	0.20	
CHEN, JIONGJING	0.50	
DeCapite, Vanessa	-1.30	
Demel, Samuel	-0.50	
Dominguez, Lucio	0.70	
Foecking, Brian	1.10	
Hayden, Matthew	0.40	
hidayat, mohammad rachman	-1.00	
Kobrinetz, Joaquin J.	0.40	
Kunk, Daniel	0.90	
Langford, Mike	-0.60	
Lopez, Frank	1.30	
Price, Gregory	-1.50	
Ragsdale, Kirt	-1.00	
Rodriguez, Edward	-0.50	
Rodriguez, Jesus (Jesse)	-0.90	
Sanchez, Arthur	0.40	
Sanchez, Christopher	-0.10	
Trevino, Robert	-0.10	
Veiga, Victor	0.30	
Xu, Raphael	0.60	
Yan, Thomas	0.10	
MAXIMUM	-1.50	
MINIMUM	0.10	
RANGE(MAX-MIN)	-1.600	
MEAN	0.000	
STANDARD DEVIATION	0.811	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCBR - RC BFL SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.48	
Barrera, Tony	9.30	
Bolaney, Jonathan	9.39	
CHEN, JIONGJING	9.22	
DeCapite, Vanessa	9.27	
Demel, Samuel	9.26	
Dominguez, Lucio	9.49	
Foecking, Brian	9.48	
Hayden, Matthew	9.37	
hidayat, mohammad rachman	9.25	
Kobrinetz, Joaquin J.	9.48	
Kunk, Daniel	9.48	
Langford, Mike	9.25	
Lopez, Frank	9.49	
Price, Gregory	9.26	
Ragsdale, Kirt	9.24	
Rodriguez, Edward	9.27	
Rodriguez, Jesus (Jesse)	9.35	
Sanchez, Arthur	9.40	
Sanchez, Christopher	9.39	
Trevino, Robert	9.39	
Veiga, Victor	9.48	
Xu, Raphael	9.37	
Yan, Thomas	9.27	
MAXIMUM	9.49	
MINIMUM	9.22	
RANGE(MAX-MIN)	0.270	
MEAN	9.360	
STANDARD DEVIATION	0.100	
N SIZE	24.000	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCBR - RC BFL SLUDGE R

VRCBR Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	1.20	
Barrera, Tony	-0.60	
Bolaney, Jonathan	0.30	
CHEN, JIONGJING	-1.40	
DeCapite, Vanessa	-0.90	
Demel, Samuel	-1.00	
Dominguez, Lucio	1.30	
Foecking, Brian	1.20	
Hayden, Matthew	0.10	
hidayat, mohammad rachman	-1.10	
Kobrinetz, Joaquin J.	1.20	
Kunk, Daniel	1.20	
Langford, Mike	-1.10	
Lopez, Frank	1.30	
Price, Gregory	-1.00	
Ragsdale, Kirt	-1.20	
Rodriguez, Edward	-0.90	
Rodriguez, Jesus (Jesse)	-0.10	
Sanchez, Arthur	0.40	
Sanchez, Christopher	0.30	
Trevino, Robert	0.30	
Veiga, Victor	1.20	
Xu, Raphael	0.10	
Yan, Thomas	-0.90	
MAXIMUM	-1.40	
MINIMUM	-0.10	
RANGE(MAX-MIN)	-1.300	
MEAN	0.000	
STANDARD DEVIATION	0.970	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCL - RC SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	8.70	
Barrera, Tony	8.33	
Bolaney, Jonathan	8.25	
CHEN, JIONGJING	7.94	
DeCapite, Vanessa	7.75	
Demel, Samuel	8.50	
Dominguez, Lucio	8.40	
Foecking, Brian	8.33	
Hayden, Matthew	8.30	
hidayat, mohammad rachman	8.33	
Kobrinetz, Joaquin J.	8.22	
Kunk, Daniel	8.53	
Langford, Mike	8.55	
Lopez, Frank	8.05	
Price, Gregory	8.04	
Ragsdale, Kirt	8.62	
Rodriguez, Edward	8.05	
Rodriguez, Jesus (Jesse)	7.98	
Sanchez, Arthur	8.12	
Sanchez, Christopher	8.55	
Trevino, Robert	8.55	
Veiga, Victor	7.16	
Xu, Raphael	7.89	
Yan, Thomas	8.40	
MAXIMUM	8.70	
MINIMUM	7.16	
RANGE(MAX-MIN)	1.540	
MEAN	8.231	
STANDARD DEVIATION	0.342	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRCL - RC SLUDGE L

VRCL Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	1.37	
Barrera, Tony	0.29	
Bolaney, Jonathan	0.06	
CHEN, JIONGJING	-0.85	
DeCapite, Vanessa	-1.41	
Demel, Samuel	0.79	
Dominguez, Lucio	0.50	
Foecking, Brian	0.29	
Hayden, Matthew	0.20	
hidayat, mohammad rachman	0.29	
Kobrinetz, Joaquin J.	-0.03	
Kunk, Daniel	0.88	
Langford, Mike	0.93	
Lopez, Frank	-0.53	
Price, Gregory	-0.56	
Ragsdale, Kirt	1.14	
Rodriguez, Edward	-0.53	
Rodriguez, Jesus (Jesse)	-0.73	
Sanchez, Arthur	-0.32	
Sanchez, Christopher	0.93	
Trevino, Robert	0.93	
Veiga, Victor	-3.13	
Xu, Raphael	-1.00	
Yan, Thomas	0.50	
MAXIMUM	-3.13	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-3.101	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRRCR - RC SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.23	
Barrera, Tony	9.00	
Bolaney, Jonathan	8.52	
CHEN, JIONGJING	8.50	
DeCapite, Vanessa	8.52	
Demel, Samuel	9.07	
Dominguez, Lucio	8.60	
Foecking, Brian	8.73	
Hayden, Matthew	9.10	
hidayat, mohammad rachman	9.08	
Kobrinetz, Joaquin J.	8.79	
Kunk, Daniel	8.77	
Langford, Mike	9.12	
Lopez, Frank	8.53	
Price, Gregory	8.56	
Ragsdale, Kirt	9.28	
Rodriguez, Edward	8.70	
Rodriguez, Jesus (Jesse)	8.30	
Sanchez, Arthur	8.57	
Sanchez, Christopher	8.72	
Trevino, Robert	8.85	
Veiga, Victor	8.03	
Xu, Raphael	8.45	
Yan, Thomas	9.34	
MAXIMUM	9.34	
MINIMUM	8.03	
RANGE(MAX-MIN)	1.310	
MEAN	8.765	
STANDARD DEVIATION	0.331	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VRRCR - RC SLUDGE R

VRRCR Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	1.40	
Barrera, Tony	0.71	
Bolaney, Jonathan	-0.74	
CHEN, JIONGJING	-0.80	
DeCapite, Vanessa	-0.74	
Demel, Samuel	0.92	
Dominguez, Lucio	-0.50	
Foecking, Brian	-0.11	
Hayden, Matthew	1.01	
hidayat, mohammad rachman	0.95	
Kobrinetz, Joaquin J.	0.08	
Kunk, Daniel	0.02	
Langford, Mike	1.07	
Lopez, Frank	-0.71	
Price, Gregory	-0.62	
Ragsdale, Kirt	1.56	
Rodriguez, Edward	-0.20	
Rodriguez, Jesus (Jesse)	-1.40	
Sanchez, Arthur	-0.59	
Sanchez, Christopher	-0.14	
Trevino, Robert	0.26	
Veiga, Victor	-2.22	
Xu, Raphael	-0.95	
Yan, Thomas	1.74	
MAXIMUM	-2.22	
MINIMUM	0.02	
RANGE(MAX-MIN)	-2.235	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VTCC - TC CVR SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.55	
Barrera, Tony	9.54	
Bolaney, Jonathan	9.63	
CHEN, JIONGJING	9.53	
DeCapite, Vanessa	9.44	
Demel, Samuel	9.46	
Dominguez, Lucio	9.48	
Foecking, Brian	9.49	
Hayden, Matthew	9.50	
hidayat, mohammad rachman	9.56	
Kobrinetz, Joaquin J.	9.51	
Kunk, Daniel	9.54	
Langford, Mike	9.47	
Lopez, Frank	9.57	
Price, Gregory	9.35	
Ragsdale, Kirt	9.35	
Rodriguez, Edward	9.52	
Rodriguez, Jesus (Jesse)	9.44	
Sanchez, Arthur	9.62	
Sanchez, Christopher	9.42	
Trevino, Robert	9.45	
Veiga, Victor	9.57	
Xu, Raphael	9.55	
Yan, Thomas	9.52	
MAXIMUM	9.63	
MINIMUM	9.35	
RANGE(MAX-MIN)	0.280	
MEAN	9.503	
STANDARD DEVIATION	0.100	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VTCC - TC CVR SLUDGE

VTCC Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.48	
Barrera, Tony	0.38	
Bolaney, Jonathan	1.28	
CHEN, JIONGJING	0.28	
DeCapite, Vanessa	-0.63	
Demel, Samuel	-0.43	
Dominguez, Lucio	-0.23	
Foecking, Brian	-0.13	
Hayden, Matthew	-0.03	
hidayat, mohammad rachman	0.58	
Kobrinetz, Joaquin J.	0.08	
Kunk, Daniel	0.38	
Langford, Mike	-0.33	
Lopez, Frank	0.68	
Price, Gregory	-1.53	
Ragsdale, Kirt	-1.53	
Rodriguez, Edward	0.18	
Rodriguez, Jesus (Jesse)	-0.63	
Sanchez, Arthur	1.18	
Sanchez, Christopher	-0.83	
Trevino, Robert	-0.53	
Veiga, Victor	0.68	
Xu, Raphael	0.48	
Yan, Thomas	0.18	
MAXIMUM	-1.53	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-1.500	
MEAN	0.000	
STANDARD DEVIATION	0.718	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VVDL - VALVE DECK SLUDGE L

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.44	
Barrera, Tony	9.37	
Bolaney, Jonathan	9.42	
CHEN, JIONGJING	9.30	
DeCapite, Vanessa	9.34	
Demel, Samuel	9.31	
Dominguez, Lucio	9.28	
Foecking, Brian	9.43	
Hayden, Matthew	9.23	
hidayat, mohammad rachman	9.28	
Kobrinetz, Joaquin J.	9.28	
Kunk, Daniel	9.39	
Langford, Mike	9.31	
Lopez, Frank	9.41	
Price, Gregory	9.05	
Ragsdale, Kirt	9.35	
Rodriguez, Edward	9.38	
Rodriguez, Jesus (Jesse)	9.49	
Sanchez, Arthur	9.48	
Sanchez, Christopher	9.38	
Trevino, Robert	9.36	
Veiga, Victor	9.60	
Xu, Raphael	9.29	
Yan, Thomas	9.30	
MAXIMUM	9.60	
MINIMUM	9.05	
RANGE(MAX-MIN)	0.550	
MEAN	9.353	
STANDARD DEVIATION	0.106	
N SIZE	24.000	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.82	
Barrera, Tony	0.16	
Bolaney, Jonathan	0.64	
CHEN, JIONGJING	-0.50	
DeCapite, Vanessa	-0.12	
Demel, Samuel	-0.41	
Dominguez, Lucio	-0.69	
Foecking, Brian	0.73	
Hayden, Matthew	-1.16	
hidayat, mohammad rachman	-0.69	
Kobrinetz, Joaquin J.	-0.69	
Kunk, Daniel	0.35	
Langford, Mike	-0.41	
Lopez, Frank	0.54	
Price, Gregory	-2.87	
Ragsdale, Kirt	-0.03	
Rodriguez, Edward	0.26	
Rodriguez, Jesus (Jesse)	1.30	
Sanchez, Arthur	1.20	
Sanchez, Christopher	0.26	
Trevino, Robert	0.07	
Veiga, Victor	2.34	
Xu, Raphael	-0.60	
Yan, Thomas	-0.50	
MAXIMUM	-2.87	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-2.840	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VVDR - VALVE DECK SLUDGE R

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.41	
Barrera, Tony	9.37	
Bolaney, Jonathan	9.28	
CHEN, JIONGJING	9.45	
DeCapite, Vanessa	9.16	
Demel, Samuel	9.19	
Dominguez, Lucio	9.17	
Foecking, Brian	9.40	
Hayden, Matthew	9.28	
hidayat, mohammad rachman	9.25	
Kobrinetz, Joaquin J.	9.21	
Kunk, Daniel	9.37	
Langford, Mike	9.19	
Lopez, Frank	9.38	
Price, Gregory	9.09	
Ragsdale, Kirt	9.40	
Rodriguez, Edward	9.30	
Rodriguez, Jesus (Jesse)	9.42	
Sanchez, Arthur	9.23	
Sanchez, Christopher	9.31	
Trevino, Robert	9.31	
Veiga, Victor	9.60	
Xu, Raphael	9.34	
Yan, Thomas	9.24	
MAXIMUM	9.60	
MINIMUM	9.09	
RANGE(MAX-MIN)	0.510	
MEAN	9.306	
STANDARD DEVIATION	0.114	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.91	
Barrera, Tony	0.56	
Bolaney, Jonathan	-0.23	
CHEN, JIONGJING	1.26	
DeCapite, Vanessa	-1.28	
Demel, Samuel	-1.02	
Dominguez, Lucio	-1.19	
Foecking, Brian	0.82	
Hayden, Matthew	-0.23	
hidayat, mohammad rachman	-0.49	
Kobrinetz, Joaquin J.	-0.84	
Kunk, Daniel	0.56	
Langford, Mike	-1.02	
Lopez, Frank	0.64	
Price, Gregory	-1.89	
Ragsdale, Kirt	0.82	
Rodriguez, Edward	-0.05	
Rodriguez, Jesus (Jesse)	0.99	
Sanchez, Arthur	-0.67	
Sanchez, Christopher	0.03	
Trevino, Robert	0.03	
Veiga, Victor	2.57	
Xu, Raphael	0.30	
Yan, Thomas	-0.58	
MAXIMUM	2.57	
MINIMUM	0.03	
RANGE(MAX-MIN)	2.536	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VOP - OIL PAN SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.26	
Barrera, Tony	9.34	
Bolaney, Jonathan	9.18	
CHEN, JIONGJING	9.20	
DeCapite, Vanessa	9.18	
Demel, Samuel	9.12	
Dominguez, Lucio	9.02	
Foecking, Brian	9.29	
Hayden, Matthew	9.24	
hidayat, mohammad rachman	9.17	
Kobrinetz, Joaquin J.	9.13	
Kunk, Daniel	9.29	
Langford, Mike	9.36	
Lopez, Frank	9.21	
Price, Gregory	8.69	
Ragsdale, Kirt	9.10	
Rodriguez, Edward	9.13	
Rodriguez, Jesus (Jesse)	9.13	
Sanchez, Arthur	8.57	
Sanchez, Christopher	9.02	
Trevino, Robert	8.94	
Veiga, Victor	8.64	
Xu, Raphael	9.23	
Yan, Thomas	9.25	
MAXIMUM	9.36	
MINIMUM	8.57	
RANGE(MAX-MIN)	0.790	
MEAN	9.112	
STANDARD DEVIATION	0.211	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VOP - OIL PAN SLUDGE

VOP Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	0.70	
Barrera, Tony	1.08	
Bolaney, Jonathan	0.32	
CHEN, JIONGJING	0.42	
DeCapite, Vanessa	0.32	
Demel, Samuel	0.04	
Dominguez, Lucio	-0.44	
Foecking, Brian	0.84	
Hayden, Matthew	0.61	
hidayat, mohammad rachman	0.28	
Kobrinetz, Joaquin J.	0.09	
Kunk, Daniel	0.84	
Langford, Mike	1.18	
Lopez, Frank	0.46	
Price, Gregory	-2.00	
Ragsdale, Kirt	-0.06	
Rodriguez, Edward	0.09	
Rodriguez, Jesus (Jesse)	0.09	
Sanchez, Arthur	-2.57	
Sanchez, Christopher	-0.44	
Trevino, Robert	-0.82	
Veiga, Victor	-2.24	
Xu, Raphael	0.56	
Yan, Thomas	0.65	
MAXIMUM	-2.57	
MINIMUM	0.04	
RANGE(MAX-MIN)	-2.611	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VOPB - OIL PAN BFL SLUDGE

Rated Values

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

Rater	TOTALS	
Aguirre, Nancy P	9.38	
Barrera, Tony	9.29	
Bolaney, Jonathan	9.15	
CHEN, JIONGJING	9.37	
DeCapite, Vanessa	9.25	
Demel, Samuel	9.12	
Dominguez, Lucio	9.19	
Foecking, Brian	9.22	
Hayden, Matthew	9.36	
hidayat, mohammad rachman	9.25	
Kobrinetz, Joaquin J.	9.07	
Kunk, Daniel	9.33	
Langford, Mike	9.12	
Lopez, Frank	9.29	
Price, Gregory	8.79	
Ragsdale, Kirt	9.06	
Rodriguez, Edward	9.12	
Rodriguez, Jesus (Jesse)	9.13	
Sanchez, Arthur	8.98	
Sanchez, Christopher	9.18	
Trevino, Robert	9.21	
Veiga, Victor	9.32	
Xu, Raphael	9.36	
Yan, Thomas	9.27	
MAXIMUM	9.38	
MINIMUM	8.79	
RANGE(MAX-MIN)	0.590	
MEAN	9.200	
STANDARD DEVIATION	0.140	
N SIZE	24.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Part ID= VOPB - OIL PAN BFL SLUDGE

VOPB Yi Values

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

Rater	TOTALS	
Aguirre, Nancy P	1.28	
Barrera, Tony	0.64	
Bolaney, Jonathan	-0.36	
CHEN, JIONGJING	1.21	
DeCapite, Vanessa	0.35	
Demel, Samuel	-0.57	
Dominguez, Lucio	-0.07	
Foecking, Brian	0.14	
Hayden, Matthew	1.14	
hidayat, mohammad rachman	0.35	
Kobrinetz, Joaquin J.	-0.93	
Kunk, Daniel	0.93	
Langford, Mike	-0.57	
Lopez, Frank	0.64	
Price, Gregory	-2.93	
Ragsdale, Kirt	-1.00	
Rodriguez, Edward	-0.57	
Rodriguez, Jesus (Jesse)	-0.50	
Sanchez, Arthur	-1.57	
Sanchez, Christopher	-0.15	
Trevino, Robert	0.07	
Veiga, Victor	0.85	
Xu, Raphael	1.14	
Yan, Thomas	0.50	
MAXIMUM	-2.93	
MINIMUM	0.07	
RANGE(MAX-MIN)	-3.001	
MEAN	0.000	
STANDARD DEVIATION	1.000	
N SIZE	24.000	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.66	-0.54	-0.78	1.44	-1.86	-0.70	-0.45	-0.87	-1.43	0.00			
A2-KEYSTONE	0.08	0.19	-0.46	1.64	-1.49	-1.18	-1.61	-1.20	-1.18	0.00			
A3-KEYSTONE	0.17	-0.68	0.44	0.17	-1.70	-1.40	-0.51	-1.03	-1.79	0.00			
A4-C13-STYLE	0.66	-0.42	-0.23		-0.98	-1.95	0.44	0.73	0.00	0.62	-0.61	-0.57	
A5-C13-STYLE	-1.09	-1.08	-1.08		-0.02	-2.43	-0.46	-2.14	-0.77	-0.07	-0.76	-1.82	
A6-C13-STYLE	-1.47	-0.79	-1.71		0.29	-1.17	-1.21	-1.09	0.00	1.05	-0.82	-1.33	
A7-DV4 PISTON	-1.50	-0.54	1.08			-0.94	0.38						
B1-KEYSTONE	-0.12	-0.39	-1.30	0.24	0.54	-0.95	0.09	-1.87	-0.95	0.00			
B2-KEYSTONE	2.10	1.01	-0.64	1.75	-1.24	-1.28	0.88	-1.15	1.20	0.00			
B3-KEYSTONE	0.08	-0.38	0.40	1.19	-1.50	-0.27	0.41	-1.36	-1.95	0.00			
B4-C13-STYLE	-1.59	-0.77	-0.51		0.09	-1.97	-1.07	-1.16	-0.84	1.32	-0.92	-0.62	
B5-C13-STYLE	-1.45	-0.38	-0.54		0.10	-1.35	-0.66	-1.47	-0.91	0.14	-0.91	-0.51	
B6-C13-STYLE	-1.24	-1.71	-0.26		-0.34	-1.76	-1.13	-0.34	-1.40	0.00	-0.96	-0.48	
B7-DV4 PISTON	-0.31	0.08	-0.19			-0.94	0.42						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.10	-1.71	-1.71	1.75	-1.86	-2.43	-1.61	-2.14	-1.95	1.32	-0.96	-1.82	
MINIMUM	0.08	0.08	-0.19	0.17	-0.02	-0.27	0.09	-0.34	0.00	0.00	-0.61	-0.48	
RANGE(MAX-MIN)	2.020	-1.790	-1.520	1.580	-1.840	-2.160	-1.700	-1.800	-1.950	1.320	-0.350	-1.340	
MEAN	-0.287	-0.457	-0.413	1.072	-0.676	-1.306	-0.320	-1.079	-0.835	0.255	-0.830	-0.888	
STANDARD DEVIATION	1.189	0.627	0.726	0.698	0.871	0.569	0.766	0.731	0.879	0.474	0.130	0.556	



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Aguirre, Nancy P (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	1.66	-0.54	-0.78	1.44	-1.86	-0.70	-0.45	-0.87	-1.43	0.00			
A2-KEYSTONE	0.08	0.19	-0.46	1.64	-1.49	-1.18	-1.61	-1.20	-1.18	0.00			
A3-KEYSTONE	0.17	-0.68	0.44	0.17	-1.70	-1.40	-0.51	-1.03	-1.79	0.00			
A4-C13-STYLE	0.66	-0.42	-0.23		-0.98	-1.95	0.44	0.73	0.00	0.62	-0.61	-0.57	
A5-C13-STYLE	0.31	-1.44	-1.36		0.01	0.33	-0.46	0.44	0.19	-0.76	-0.05	0.38	
A6-C13-STYLE	-1.47	-0.79	-1.71		0.29	-1.17	-1.21	-1.09	0.00	1.05	-0.82	-1.33	
A7-DV4 PISTON	-1.50	-0.54	1.08			-0.94	0.38						
B1-KEYSTONE	-0.12	-0.39	-1.30	0.24	0.54	-0.95	0.09	-1.87	-0.95	0.00			
B2-KEYSTONE	2.10	1.01	-0.64	1.75	-1.24	-1.28	0.88	-1.15	1.20	0.00			
B3-KEYSTONE	0.08	-0.38	0.40	1.19	-1.50	-0.27	0.41	-1.36	-1.95	0.00			
B4-C13-STYLE	-1.59	-0.77	-0.51		0.09	-1.97	-1.07	-1.16	-0.84	1.32	-0.92	-0.62	
B5-C13-STYLE	-1.45	-0.38	-0.54		0.10	-1.35	-0.66	-1.47	-0.91	0.14	-0.91	-0.51	
B6-C13-STYLE	-1.24	-1.71	-0.26		-0.34	-1.76	-1.13	-0.34	-1.40	0.00	-0.96	-0.48	
B7-DV4 PISTON	-0.31	0.08	-0.19			-0.94	0.42						
C1-KEYSTONE	0.05	-0.05	0.59	1.20	-0.92	-0.21	0.12	-0.35	-1.10	0.00			
C2-KEYSTONE	-0.28	0.93	0.82	0.16	-0.78	0.35	-1.55	-1.76	0.70	0.00			
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.10	-1.71	-1.71	1.75	-1.86	-1.97	-1.61	-1.87	-1.95	1.32	-0.96	-1.33	
MINIMUM	0.05	-0.05	-0.19	0.16	0.01	-0.21	0.09	-0.34	0.00	0.00	-0.05	0.38	
RANGE(MAX-MIN)	2.050	-1.660	-1.520	1.590	-1.870	-1.760	-1.700	-1.530	-1.950	1.320	-0.910	-1.710	
MEAN	-0.178	-0.368	-0.291	0.974	-0.699	-0.962	-0.369	-0.891	-0.676	0.169	-0.712	-0.522	
STANDARD DEVIATION	1.096	0.714	0.800	0.677	0.806	0.715	0.787	0.763	0.946	0.513	0.348	0.544	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Anderson, Dan

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	0.89	0.19	-1.68	0.14	0.57	-1.27	-0.23	-0.80	-1.26	0.00			
A3-KEYSTONE													
A4-C13-STYLE	1.19	-1.47	0.02		-2.57	-0.73	1.82	0.63	0.00	0.62	-0.61	1.22	
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.12	0.90	-1.05	-1.95	1.57	1.88	1.23	0.98	-0.51	0.00			
B2-KEYSTONE	0.23	0.95	-0.50	-1.85	-1.02	-0.53	-0.29	0.30	0.53	0.00			
B3-KEYSTONE	2.29	-0.67	-1.19	-0.21	-0.30	0.01	-1.26	0.33	1.17	0.00			
B4-C13-STYLE	1.72	-0.85	1.46		-0.80	0.02	0.59	1.48	-0.84	0.00	0.20	-0.05	
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	2.29	-1.47	-1.68	-1.95	-2.57	1.88	1.82	1.48	-1.26	0.62	-0.61	1.22	
MINIMUM	-0.12	0.19	0.02	0.14	-0.30	0.01	-0.23	0.30	0.00	0.00	0.20	-0.05	
RANGE(MAX-MIN)	2.410	-1.660	-1.700	-2.090	-2.270	1.870	2.050	1.180	-1.260	0.620	-0.810	1.270	
MEAN	1.033	-0.158	-0.490	-0.968	-0.425	-0.103	0.310	0.487	-0.152	0.000	-0.610	-0.050	
STANDARD DEVIATION	0.902	0.993	1.121	1.087	1.420	1.086	1.124	0.770	0.902	0.100	0.000	0.000	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	0.20	-0.69	1.08			-0.16	1.48						
B1-KEYSTONE													
B2-KEYSTONE	0.70	0.64	-1.38	1.45	0.44	-1.48	1.70	0.30	0.19	0.00			
B3-KEYSTONE													
B4-C13-STYLE	0.42	-0.97	1.44		0.07	-0.57	0.31	0.80	-0.17	0.00	0.36	0.32	
B5-C13-STYLE	0.13	-0.99	0.55		-0.22	-1.77	0.32	0.65	0.91	-0.07	1.57	0.92	
B6-C13-STYLE	-0.15	-1.04	0.91		0.74	-0.93	-0.76	-0.25	0.47	0.00	-0.25	0.93	
B7-DV4 PISTON	-0.86	0.64	0.48			-0.28	0.72						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-0.86	-1.04	1.44	1.45	0.74	-1.77	1.70	0.80	0.91	-0.07	1.57	0.93	
MINIMUM	0.13	0.64	0.48	1.45	0.07	-0.16	0.31	-0.25	-0.17	0.00	-0.25	0.32	
RANGE(MAX-MIN)	-0.990	-1.680	0.960	0.000	0.670	-1.610	1.390	1.050	1.080	-0.070	1.820	0.610	
MEAN	0.073	-0.402	0.513	0.000	0.258	-0.865	0.628	0.375	0.350	-0.018	0.560	0.723	
STANDARD DEVIATION	0.539	0.816	0.992	0.100	0.420	0.652	0.895	0.466	0.456	0.100	0.926	0.349	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-1.66	0.00	-1.10	0.60	0.60	0.58	0.07	0.50	0.23	0.00			
A2-KEYSTONE	-0.99	0.19	1.59	1.28	0.39	-0.33	0.10	0.20	-0.02	0.00			
A3-KEYSTONE	-1.47	-0.84	0.04	-0.53	-0.12	0.89	0.63	-0.77	-0.06	0.00			
A4-C13-STYLE	0.79	-0.01	1.55		0.75	0.48	-0.47	0.54	10.00	0.62	11.20	0.00	
A5-C13-STYLE	-0.60	-0.79	0.61		-0.12	0.01	0.12	0.07	0.19	-0.07	2.30	-0.15	
A6-C13-STYLE	-1.35	1.36	0.22		-0.28	0.03	1.35	-1.42	10.00	-0.84	1.60	-0.89	
A7-DV4 PISTON	-0.82	0.96	0.28			-1.10	1.38						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-1.17	-0.44	0.67	-0.21	0.33	0.44	-0.99	0.78	-0.12	0.00			
C2-KEYSTONE	-0.97	0.99	0.10	-0.63	0.27	0.67	0.44	-1.19	0.96	0.00			
C3-KEYSTONE	1.58	0.36	0.83	1.00	0.51	1.59	-0.74	0.78	-0.22	0.00			
C4-C13-STYLE	0.81	-0.57	0.76		1.65	0.54	-1.44	-0.41	1.29	1.52	-0.64	-0.14	
C5-C13-STYLE	1.63	1.57	0.87		1.28	-0.41	-0.60	-0.56	0.91	0.00	-0.89	-0.24	
C6-C13-STYLE	1.72	0.88	1.19		1.18	1.07	-0.78	1.82	0.65	1.43	-0.62	-0.54	
C7-DV4 PISTON	1.50	1.16	-0.66			1.31	1.65						
MAXIMUM	1.72	1.57	1.59	1.28	1.65	1.59	1.65	1.82	10.00	1.52	11.20	-0.89	
MINIMUM	-0.60	0.00	0.04	-0.21	-0.12	0.01	0.07	0.07	-0.02	0.00	-0.62	0.00	
RANGE(MAX-MIN)	2.320	1.570	1.550	1.490	1.770	1.580	1.580	1.750	10.020	1.520	11.820	-0.890	
MEAN	-0.071	0.344	0.496	0.252	0.537	0.412	0.051	0.028	1.984	0.222	2.158	-0.327	
STANDARD DEVIATION	1.319	0.818	0.761	0.817	0.597	0.723	0.954	0.935	3.775	0.665	4.624	0.330	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Bian, Zheng

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	0.55	0.37	0.53	-0.05	-1.60	0.23	0.56	0.05	0.23	0.00			
A2-KEYSTONE	1.56	-1.71	-0.42	-0.46	-1.06	-0.32	0.10	1.20	-0.02	0.00			
A3-KEYSTONE	-0.10	0.07	-1.46	-1.18	-1.05	1.04	1.31	0.01	0.01	0.00			
A4-C13-STYLE	1.11	-0.80	1.38		-0.57	-0.17	-1.08	-0.34	0.00	0.62	0.49	0.50	
A5-C13-STYLE	-0.27	0.25	1.82		-0.25	1.52	1.48	1.09	-0.77	-0.07	1.28	1.95	
A6-C13-STYLE	0.80	0.67	1.70		1.53	1.61	-0.04	-1.51	0.00	1.69	-0.78	0.44	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.56	-1.71	1.82	-1.18	-1.60	1.61	1.48	-1.51	-0.77	1.69	1.28	1.95	
MINIMUM	-0.10	0.07	-0.42	-0.05	-0.25	-0.17	-0.04	0.01	0.00	0.00	0.49	0.44	
RANGE(MAX-MIN)	1.660	-1.780	2.240	-1.130	-1.350	1.780	1.520	-1.520	-0.770	1.690	0.790	1.510	
MEAN	0.608	-0.192	0.592	-0.563	-0.500	0.652	0.388	0.083	-0.092	0.373	0.330	0.963	
STANDARD DEVIATION	0.703	0.894	1.311	0.572	1.097	0.851	0.948	0.998	0.345	0.694	1.039	0.855	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.11	0.83	0.76	0.32	-1.04	-0.87	0.80	0.50	-0.79	0.00			
A2-KEYSTONE	0.21	0.19	-2.36	-1.00	-0.38	-0.85	-0.36	0.20	0.15	0.00			
A3-KEYSTONE	-0.37	0.91	-3.08	-0.62	-1.13	-1.30	-1.50	-0.64	1.45	0.00			
A4-C13-STYLE													
A5-C13-STYLE	1.52	1.05	1.48		1.05	0.08	0.21	1.18	-0.77	1.31	-0.76	-0.98	
A6-C13-STYLE													
A7-DV4 PISTON	-0.31	-0.05	-0.92			0.26	-0.62						
B1-KEYSTONE	0.77	-1.82	1.87	-0.32	-1.28	-0.29	4.10	0.82	0.74	0.00			
B2-KEYSTONE	-0.70	-0.94	-1.38	0.35	1.25	-0.22	-0.37	-1.15	1.63	0.00			
B3-KEYSTONE	-0.40	0.12	-0.75	-1.21	-0.03	0.48	1.54	0.09	2.34	0.00			
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	-0.05	1.84	-1.01			0.23	-1.68						
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.52	1.84	-3.08	-1.21	-1.28	-1.30	4.10	1.18	2.34	1.31	-0.76	-0.98	
MINIMUM	-0.05	-0.05	-0.75	0.32	-0.03	0.08	0.21	0.09	0.15	0.00	-0.76	-0.98	
RANGE(MAX-MIN)	1.570	1.890	-2.330	-1.530	-1.250	-1.380	3.890	1.090	2.190	1.310	0.000	0.000	
MEAN	0.198	0.237	-0.599	-0.413	-0.223	-0.276	0.236	0.143	0.679	0.000	0.000	0.000	
STANDARD DEVIATION	0.768	1.104	1.674	0.656	1.038	0.610	1.771	0.812	1.211	0.100	0.100	0.100	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-0.12	0.39	-0.41	-1.43	-1.12	1.03	0.62	-1.20	-0.82	0.00			
B2-KEYSTONE	0.27	-0.01	-0.22	0.15	0.09	-0.14	-0.25	-0.18	-0.05	0.00			
B3-KEYSTONE	0.08	-0.65	-0.84	-0.41	0.06	1.29	0.25	0.09	0.39	0.00			
B4-C13-STYLE	-0.84	0.15	0.19		-0.17	-0.47	-0.76	-0.48	0.17	0.00	-0.59	-0.12	
B5-C13-STYLE	0.12	-1.42	0.16		-0.40	-0.79	-0.51	0.08	0.91	-0.07	-0.82	-0.03	
B6-C13-STYLE	-0.97	0.27	0.83		0.42	-0.55	-0.21	-0.61	-0.47	0.00	-0.83	-0.14	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-0.97	-1.42	-0.84	-1.43	-1.12	1.29	-0.76	-1.20	0.91	-0.07	-0.83	-0.14	
MINIMUM	0.08	-0.01	0.16	0.15	0.06	-0.14	-0.21	0.08	-0.05	0.00	-0.59	-0.03	
RANGE(MAX-MIN)	-1.050	-1.410	-1.000	-1.580	-1.180	1.430	-0.550	-1.280	0.960	-0.070	-0.240	-0.110	
MEAN	-0.243	-0.212	-0.048	-0.563	-0.187	0.062	-0.143	-0.383	0.022	-0.012	-0.747	-0.097	
STANDARD DEVIATION	0.529	0.695	0.576	0.801	0.533	0.880	0.504	0.491	0.617	0.100	0.136	0.100	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.11	-0.25	1.24	-2.39	-0.54	2.15	2.28	-0.41	-1.31	0.00			
A2-KEYSTONE	-0.72	0.19	-0.54	-1.54	-0.71	0.99	0.72	-0.80	-0.76	0.00			
A3-KEYSTONE	-0.10	0.27	-2.13	-1.04	-0.33	0.71	0.48	2.48	0.14	0.00			
A4-C13-STYLE	-0.21	1.97	0.38		-1.53	1.80	0.97	0.24	0.00	0.62	-0.61	0.93	
A5-C13-STYLE	-1.27	1.02	1.34		-0.08	0.51	0.72	0.07	1.16	-0.07	0.01	1.22	
A6-C13-STYLE	-0.62	1.07	0.60		-0.33	1.95	0.64	0.50	0.00	0.42	0.56	-0.67	
A7-DV4 PISTON	0.20	1.50	-0.92			1.67	-1.12						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	1.26	0.05	-1.36	0.98	-0.90	-0.45	-0.04	-0.92	0.30	0.00			
C2-KEYSTONE	-0.44	0.24	0.55	0.09	-0.87	-0.21	-0.67	1.11	-1.11	0.00			
C3-KEYSTONE	-0.79	-0.36	0.03	0.18	-0.27	0.16	0.84	-0.78	-1.16	0.00			
C4-C13-STYLE	0.26	0.57	-1.05		-0.70	-0.80	0.94	-0.02	-0.65	-0.43	1.06	0.58	
C5-C13-STYLE	-0.84	-0.01	0.61		-0.30	0.86	-0.60	0.94	-0.91	0.00	0.35	0.81	
C6-C13-STYLE	-1.01	1.53	0.02		-0.90	1.38	0.11	-1.11	0.65	-1.02	0.67	-0.25	
C7-DV4 PISTON	-0.36	-0.56	1.66			0.26	0.16						
MAXIMUM	-1.27	1.97	-2.13	-2.39	-1.53	2.15	2.28	2.48	-1.31	-1.02	1.06	1.22	
MINIMUM	-0.10	-0.01	0.02	0.09	-0.08	0.16	-0.04	-0.02	0.00	0.00	0.01	-0.25	
RANGE(MAX-MIN)	-1.170	1.980	-2.150	-2.480	-1.450	1.990	2.320	2.500	-1.310	-1.020	1.050	1.470	
MEAN	-0.252	0.516	0.031	-0.620	-0.622	0.784	0.388	0.108	-0.304	-0.040	0.340	0.437	
STANDARD DEVIATION	0.748	0.781	1.105	1.254	0.399	0.929	0.850	1.042	0.791	0.401	0.581	0.737	



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Demel, Samuel

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.00	0.36	-2.55	-1.80	0.09	0.73	-1.02	0.50	-1.18	0.00			
A2-KEYSTONE	0.21	52.69	-0.88	0.80	-0.18	1.38	-5.00	0.00	-0.60	0.00			
A3-KEYSTONE	1.14	0.59	-0.82	-0.44	0.18	0.86	-0.59	-1.03	-0.13	0.00			
A4-C13-STYLE	0.07	-0.22	-0.89		-1.74	-0.46	0.50	-0.34	10.00	0.62	-0.61	1.79	
A5-C13-STYLE	1.54	-0.29	-0.88		0.04	0.02	-1.51	1.37	1.16	0.62	-0.76	1.11	
A6-C13-STYLE	-0.06	-1.00	-1.83		0.03	0.87	-0.98	-0.34	0.00	1.05	-0.82	-1.33	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.54	52.69	-2.55	-1.80	-1.74	1.38	-5.00	1.37	10.00	1.05	-0.82	1.79	
MINIMUM	0.00	-0.22	-0.82	-0.44	0.03	0.02	0.50	0.00	0.00	0.00	-0.61	1.11	
RANGE(MAX-MIN)	1.540	52.910	-1.730	-1.360	-1.770	1.360	-5.500	1.370	10.000	1.050	-0.210	0.680	
MEAN	0.483	-0.112	-1.308	-0.480	-0.263	0.567	-1.433	0.027	1.542	0.382	-0.730	0.523	
STANDARD DEVIATION	0.681	0.622	0.720	1.300	0.733	0.666	1.874	0.826	4.216	0.447	0.108	1.641	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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													
A2-KEYSTONE													
A3-KEYSTONE	-0.79	-0.36	0.99	0.54	-0.36	1.94	0.71	-0.77	-1.51	0.00			
A4-C13-STYLE													
A5-C13-STYLE	-0.48	0.78	0.79		-0.20	0.71	0.40	0.44	2.13	-0.76	0.97	-1.51	
A6-C13-STYLE													
A7-DV4 PISTON	0.71	-0.23	-0.52			0.19	0.38						
B1-KEYSTONE	-1.00	-0.26	-0.32	-0.44	0.14	1.87	0.70	-0.02	-0.88	0.00			
B2-KEYSTONE	-0.70	-0.70	0.05	0.35	0.62	1.16	0.18	0.79	-0.81	0.00			
B3-KEYSTONE	-0.99	2.26	-0.22	-0.31	0.60	2.05	0.71	0.09	0.78	0.00			
B4-C13-STYLE	-0.53	0.52	0.12		0.58	0.99	0.44	-0.99	1.18	0.00	-0.66	0.32	
B5-C13-STYLE													
B6-C13-STYLE	0.60	0.04	0.26		0.64	1.44	0.12	0.66	1.40	0.00	-0.42	-0.48	
B7-DV4 PISTON	0.75	0.75	-0.48			1.12	-0.48						
C1-KEYSTONE	-1.17	-0.45	0.84	-0.64	-0.49	2.03	0.49	1.34	-0.12	0.00			
C2-KEYSTONE	-0.07	1.00	0.91	-0.48	-0.46	1.69	0.83	-1.19	0.96	0.00			
C3-KEYSTONE													
C4-C13-STYLE	-1.88	1.52	1.12		-1.13	1.73	0.38	-0.41	1.29	-1.52	-0.43	-0.14	
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.88	2.26	1.12	-0.64	-1.13	2.05	0.83	1.34	2.13	-1.52	0.97	-1.51	
MINIMUM	-0.07	0.04	0.05	-0.31	0.14	0.19	0.12	-0.02	-0.12	0.00	-0.42	-0.14	
RANGE(MAX-MIN)	-1.810	2.220	1.070	-0.330	-1.270	1.860	0.710	1.360	2.250	-1.520	1.390	-1.370	
MEAN	-0.463	0.406	0.295	-0.163	-0.006	1.410	0.405	-0.006	0.442	-0.228	-0.135	-0.453	
STANDARD DEVIATION	0.819	0.896	0.609	0.487	0.615	0.585	0.354	0.831	1.195	0.513	0.745	0.777	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Foecking, Brian

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	-1.37	0.52	0.49	1.47	-0.30	0.58	-0.57	0.48	0.74	0.00			
B2-KEYSTONE	-0.70	-1.35	1.48	0.65	-0.96	0.85	-1.22	-0.18	-1.05	0.00			
B3-KEYSTONE	-0.62	-0.79	-1.28	0.09	-1.42	0.04	0.25	0.82	1.17	0.00			
B4-C13-STYLE	1.05	0.49	1.65		1.81	0.65	0.60	0.89	-0.84	0.00	1.73	0.03	
B5-C13-STYLE	0.43	0.62	0.55		1.37	1.26	-0.29	0.08	-0.91	1.36	1.15	-0.03	
B6-C13-STYLE	1.04	1.18	1.68		0.10	-0.21	1.82	0.66	-0.47	0.00	1.26	-0.48	
B7-DV4 PISTON	1.56	-0.92	-0.48			1.37	-0.88						
C1-KEYSTONE	-0.29	0.53	0.42	0.82	-0.62	-0.13	0.84	-0.92	-0.40	0.00			
C2-KEYSTONE	-0.13	-1.84	-0.17	-0.99	-0.10	-0.42	-1.13	0.53	-0.59	0.00			
C3-KEYSTONE	0.79	-0.36	0.56	1.07	-0.50	-0.10	1.17	-0.78	-0.65	0.00			
C4-C13-STYLE	0.50	-1.18	-1.14		-0.20	-0.80	1.10	1.01	-0.65	0.00	1.48	-1.59	
C5-C13-STYLE	-1.21	-0.07	0.63		0.07	0.36	0.58	-1.69	-0.91	0.00	1.39	-1.16	
C6-C13-STYLE	-0.53	-0.35	0.80		-0.58	-0.31	0.50	-0.58	-1.29	-0.41	1.75	-1.43	
C7-DV4 PISTON	0.41	0.51	-0.57			-0.61	-0.91						
MAXIMUM	1.56	-1.84	1.68	1.47	1.81	1.37	1.82	-1.69	-1.29	1.36	1.75	-1.59	
MINIMUM	-0.13	-0.07	-0.17	0.09	0.07	0.04	0.25	0.08	-0.40	0.00	1.15	0.03	
RANGE(MAX-MIN)	1.690	-1.770	1.850	1.380	1.740	1.330	1.570	-1.770	-0.890	1.360	0.600	-1.620	
MEAN	0.066	-0.215	0.330	0.518	-0.111	0.181	0.133	0.027	-0.488	-0.037	1.460	-0.777	
STANDARD DEVIATION	0.894	0.899	0.953	0.869	0.908	0.678	0.966	0.859	0.724	0.124	0.244	0.712	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Garcia, Matthew

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.09	-0.62	-0.40	-1.08	0.50	0.95	0.18	-0.87	-0.79	0.00			
A2-KEYSTONE	-0.72	0.19	1.43	0.56	1.03	1.52	-1.47	0.40	-0.85	0.00			
A3-KEYSTONE	-0.10	0.43	0.44	-1.60	-1.61	-1.35	0.08	-0.38	-1.30	0.00			
A4-C13-STYLE	-1.14	-0.92	0.14		-0.38	0.22	1.14	-0.44	0.00	0.62	-0.61	1.36	
A5-C13-STYLE	-0.78	1.42	1.31		-0.04	-1.31	-0.14	-0.39	0.19	-0.07	-0.76	1.53	
A6-C13-STYLE	-0.02	-0.70	-0.92		0.88	1.64	0.66	-0.92	0.00	1.69	-0.55	0.22	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	-1.14	1.42	1.43	-1.60	-1.61	1.64	-1.47	-0.92	-1.30	1.69	-0.76	1.53	
MINIMUM	-0.02	0.19	0.14	0.56	-0.04	0.22	0.08	-0.38	0.00	0.00	-0.55	0.22	
RANGE(MAX-MIN)	-1.120	1.230	1.290	-2.160	-1.570	1.420	-1.550	-0.540	-1.300	1.690	-0.210	1.310	
MEAN	-0.445	-0.033	0.333	-0.707	0.063	0.278	0.075	-0.433	-0.458	0.373	-0.640	1.037	
STANDARD DEVIATION	0.501	0.889	0.929	1.127	0.980	1.343	0.886	0.475	0.602	0.694	0.108	0.712	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Groenewoud, Marc

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM													
MINIMUM													
RANGE(MAX-MIN)													
MEAN													
STANDARD DEVIATION													

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Hayden, Matthew

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.55	-0.27	0.24	-0.74	-0.47	-0.60	1.87	-0.41	-0.15	0.00			
A2-KEYSTONE	-0.19	0.19	-0.80	-0.46	-0.56	-0.57	-1.07	-0.20	-1.26	0.00			
A3-KEYSTONE	1.27	-1.79	-2.09	-0.53	3.51	-0.67	-1.46	-0.51	-1.30	0.00			
A4-C13-STYLE													
A5-C13-STYLE	0.52	-0.84	-0.27		-0.56	-0.92	-0.74	0.44	-1.74	-0.76	4.34	-0.46	
A6-C13-STYLE													
A7-DV4 PISTON	0.20	0.03	0.08			1.47	-1.22						
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	0.59	0.75	0.02		-0.95	0.51	-0.78	-0.84	-1.29	-1.02	-0.62	0.05	
C7-DV4 PISTON	-1.30	-4.20	-1.27			-2.31	-0.74						
MAXIMUM	-1.30	-4.20	-2.09	-0.74	3.51	-2.31	1.87	-0.84	-1.74	-1.02	4.34	-0.46	
MINIMUM	-0.19	0.03	0.02	-0.46	-0.47	0.51	-0.74	-0.20	-0.15	0.00	-0.62	0.05	
RANGE(MAX-MIN)	-1.110	-4.230	-2.110	-0.280	3.980	-2.820	2.610	-0.640	-1.590	-1.020	4.960	-0.510	
MEAN	0.234	-0.876	-0.584	-0.577	0.194	-0.441	-0.591	-0.304	-1.148	-0.356	-0.620	-0.460	
STANDARD DEVIATION	0.808	1.676	0.853	0.146	1.863	1.181	1.119	0.476	0.592	0.496	0.000	0.000	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Hidayat, Mohammad Rachman

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	-0.58	-1.52	0.10	0.09	-0.37	-1.98	0.50	-0.15	0.00			
A2-KEYSTONE	0.08	0.19	-1.15	0.38	0.08	-0.89	-1.30	0.00	-1.10	0.00			
A3-KEYSTONE	-0.51	1.23	1.26	-0.44	1.83	0.75	-1.50	-0.64	-0.06	0.00			
A4-C13-STYLE	0.09	-0.70	-1.63		1.15	0.59	-0.86	-1.32	0.00	0.62	1.75	0.93	
A5-C13-STYLE	0.88	0.44	-0.34		0.23	0.84	-1.87	-0.39	0.19	0.62	0.74	-0.46	
A6-C13-STYLE	0.48	-0.57	-0.79		1.71	0.39	0.58	-0.17	0.00	1.69	-0.20	0.67	
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	0.88	1.23	-1.63	-0.44	1.83	-0.89	-1.98	-1.32	-1.10	1.69	1.75	0.93	
MINIMUM	0.00	0.19	-0.34	0.10	0.08	-0.37	0.58	0.00	0.00	0.00	-0.20	-0.46	
RANGE(MAX-MIN)	0.880	1.040	-1.290	-0.540	1.750	-0.520	-2.560	-1.320	-1.100	1.690	1.950	1.390	
MEAN	0.170	0.002	-0.695	0.013	0.848	0.218	-1.155	-0.337	-0.187	0.488	0.763	0.380	
STANDARD DEVIATION	0.470	0.761	1.069	0.417	0.818	0.694	0.941	0.617	0.461	0.662	0.975	0.739	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	-0.55	0.73	-0.78	-0.40	-0.22	-1.23	-0.23	0.50	2.02	0.00			
A2-KEYSTONE	-0.19	-1.51	-0.99	-1.30	-0.70	-0.94	0.01	-0.20	0.15	0.00			
A3-KEYSTONE	-0.24	1.23	-0.82	-1.04	0.29	-0.11	-0.87	-0.25	1.32	0.00			
A4-C13-STYLE	0.29	-1.33	-0.48		0.78	-0.57	0.69	0.73	0.00	0.62	-0.73	1.08	
A5-C13-STYLE	1.19	-1.04	-0.36		0.04	-0.17	-1.52	0.81	-0.77	-0.07	-0.96	0.38	
A6-C13-STYLE	1.10	-0.24	-0.98		0.86	-0.15	-0.86	1.01	0.00	0.42	-0.80	1.33	
A7-DV4 PISTON	1.22	-1.01	0.18			-0.07	-0.62						
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON	-1.08	1.52	-0.87			-0.20	-0.68						
C1-KEYSTONE	0.05	0.04	1.18	-0.97	-0.40	-0.45	0.47	0.78	2.26	0.00			
C2-KEYSTONE	0.24	-0.28	-0.53	-0.34	-0.79	0.21	-0.28	-0.61	0.70	0.00			
C3-KEYSTONE	-0.79	1.81	-0.19	0.01	-0.92	-0.71	-0.02	-0.33	1.68	0.00			
C4-C13-STYLE	0.64	0.37	-0.45		-0.25	-0.66	-0.19	1.26	-0.65	0.00	-0.66	1.44	
C5-C13-STYLE	0.33	-0.68	0.33		0.60	0.53	-0.60	0.19	-0.91	0.00	-0.79	1.46	
C6-C13-STYLE	0.38	-1.16	-1.24		-0.37	-0.32	-0.78	0.22	0.65	-1.02	-0.58	1.53	
C7-DV4 PISTON	-0.42	0.30	-0.66			0.36	-0.51						
MAXIMUM	1.22	1.81	-1.24	-1.30	-0.92	-1.23	-1.52	1.26	2.26	-1.02	-0.96	1.53	
MINIMUM	0.05	0.04	0.18	0.01	0.04	-0.07	0.01	0.19	0.00	0.00	-0.58	0.38	
RANGE(MAX-MIN)	1.170	1.770	-1.420	-1.310	-0.960	-1.160	-1.530	1.070	2.260	-1.020	-0.380	1.150	
MEAN	0.145	-0.083	-0.444	-0.673	-0.090	-0.299	-0.399	0.343	0.538	-0.004	-0.753	1.203	
STANDARD DEVIATION	0.706	1.064	0.621	0.504	0.608	0.477	0.558	0.597	1.090	0.382	0.131	0.433	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Kunk, Daniel

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	-0.54	0.00	-1.30	-0.24	0.09	0.78	0.48	-0.02	-0.01	0.00			
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE	0.32	-0.85	0.10		0.06	0.10	-0.13	-0.65	0.91	-0.07	-0.04	0.03	
B6-C13-STYLE	0.84	0.66	0.23		-1.15	0.49	-1.01	0.66	-0.47	0.00	-0.66	-0.31	
B7-DV4 PISTON	0.75	-2.23	-1.17			-0.05	-0.38						
C1-KEYSTONE	-2.19	0.54	-0.18	-0.48	0.01	-0.45	-3.23	-0.92	1.28	0.00			
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE	-0.13	0.01	1.42		0.03	-0.46	-1.29	-1.69	1.29	-0.43	-0.10	-0.14	
C5-C13-STYLE													
C6-C13-STYLE	-0.59	-1.16	-0.71		-1.33	-0.31	0.29	-0.58	0.65	-1.02	-0.10	-1.43	
C7-DV4 PISTON	-0.76	0.09	-0.43			-1.68	-0.72						
MAXIMUM	-2.19	-2.23	1.42	-0.48	-1.33	-1.68	-3.23	-1.69	1.29	-1.02	-0.66	-1.43	
MINIMUM	-0.13	0.00	0.10	-0.24	0.01	-0.05	-0.13	-0.02	-0.01	0.00	-0.04	0.03	
RANGE(MAX-MIN)	-2.060	-2.230	1.320	-0.240	-1.340	-1.630	-3.100	-1.670	1.300	-1.020	-0.620	-1.460	
MEAN	-0.288	-0.368	-0.255	-0.480	-0.382	-0.198	-0.749	-0.533	0.608	-0.253	-0.225	-0.463	
STANDARD DEVIATION	0.981	0.978	0.873	0.000	0.668	0.745	1.173	0.799	0.715	0.411	0.291	0.660	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.55	-0.53	-0.33	-1.96	1.38	0.50	3.10	0.50	-1.18	0.00			
A2-KEYSTONE	-0.46	22.69	-1.18	-1.72	-0.43	0.82	0.81	-0.40	-0.68	0.00			
A3-KEYSTONE	0.45	0.43	-0.32	-0.85	1.30	0.89	-0.12	-1.03	-0.61	0.00			
A4-C13-STYLE	0.23	0.31	-0.22		-0.50	-0.54	-0.18	-0.54	30.00	4.76	-0.61	0.93	
A5-C13-STYLE	0.58	-0.60	-1.61		0.54	0.51	-0.74	0.54	4.07	2.00	-0.76	0.27	
A6-C13-STYLE	-0.25	-0.86	-1.83		0.74	-0.34	-0.98	-0.08	0.00	2.32	-0.82	-1.33	
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	0.58	22.69	-1.83	-1.96	1.38	0.89	3.10	-1.03	30.00	4.76	-0.82	-1.33	
MINIMUM	0.23	0.31	-0.22	-0.85	-0.43	-0.34	-0.12	-0.08	0.00	0.00	-0.61	0.27	
RANGE(MAX-MIN)	0.350	22.380	-1.610	-1.110	1.810	1.230	3.220	-0.950	30.000	4.760	-0.210	-1.600	
MEAN	0.183	-0.250	-0.915	-1.510	0.505	0.307	0.315	-0.168	0.320	1.513	-0.730	-0.043	
STANDARD DEVIATION	0.440	0.581	0.717	0.584	0.817	0.603	1.498	0.615	2.138	1.913	0.108	1.162	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-0.55	-0.34	-1.14	0.51	1.85	0.55	0.10	-0.87	0.23	0.00			
A2-KEYSTONE	-0.72	0.19	0.52	-0.16	0.28	-0.89	0.54	1.80	0.07	0.00			
A3-KEYSTONE	-0.92	0.43	0.62	-0.06	0.60	0.51	1.46	0.66	0.14	0.00			
A4-C13-STYLE	-0.71	1.15	-0.74		1.37	-0.28	1.88	-0.54	0.00	0.62	-0.61	0.14	
A5-C13-STYLE	0.45	-0.04	-0.30		1.81	0.84	-0.95	0.44	-0.77	1.31	-0.76	0.27	
A6-C13-STYLE	0.09	-0.59	0.65		1.48	1.20	-1.21	0.08	0.00	1.05	-0.82	0.00	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	1.26	0.77	-0.01	1.15	2.08	0.51	1.50	-0.92	-0.82	0.00			
C2-KEYSTONE	2.07	0.43	1.00	2.04	2.08	-0.46	1.63	1.11	0.44	0.00			
C3-KEYSTONE	0.00	-1.09	0.65	-0.75	1.79	0.39	0.27	1.66	-0.22	0.00			
C4-C13-STYLE	-0.33	-0.71	0.76		0.63	0.00	-0.80	-1.43	-0.65	0.43	-0.81	-0.14	
C5-C13-STYLE	0.19	0.53	-1.66		0.07	0.50	-0.60	0.19	0.91	0.00	-0.89	-0.90	
C6-C13-STYLE	0.19	-0.37	-1.13		1.36	-0.68	-0.78	-0.04	-1.29	0.82	-0.62	0.35	
C7-DV4 PISTON													
MAXIMUM	2.07	1.15	-1.66	2.04	2.08	1.20	1.88	1.80	-1.29	1.31	-0.89	-0.90	
MINIMUM	0.00	-0.04	-0.01	-0.06	0.07	0.00	0.10	-0.04	0.00	0.00	-0.61	0.00	
RANGE(MAX-MIN)	2.070	1.190	-1.650	2.100	2.010	1.200	1.780	1.840	-1.290	1.310	-0.280	-0.900	
MEAN	0.085	0.030	-0.065	0.455	1.283	0.183	0.253	0.178	-0.163	0.353	-0.752	-0.047	
STANDARD DEVIATION	0.871	0.666	0.904	1.009	0.710	0.641	1.134	1.021	0.616	0.483	0.114	0.454	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Mulder, Jeroen

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	0.89	-1.41	-0.50	0.74	0.46	-1.09	1.17	-0.20	-0.43	0.00			
A3-KEYSTONE													
A4-C13-STYLE	0.93	-0.58	0.25		-2.31	-0.73	-0.73	-1.32	0.00	0.62	-0.45	0.93	
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE	0.03	0.25	-1.05	-1.95	-1.23	1.88	1.45	0.98	-0.82	0.00			
B2-KEYSTONE	-0.23	1.65	-1.33	-1.85	-0.19	0.73	0.96	0.30	1.34	0.00			
B3-KEYSTONE	2.40	-0.46	-1.90	-0.71	-0.30	-0.36	0.78	0.33	1.17	0.00			
B4-C13-STYLE	1.62	-0.85	0.70		-0.80	1.01	0.46	0.20	-0.84	0.00	-0.36	0.32	
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	2.40	1.65	-1.90	-1.95	-2.31	1.88	1.45	-1.32	1.34	0.62	-0.45	0.93	
MINIMUM	0.03	0.25	0.25	-0.71	-0.19	-0.36	0.46	-0.20	0.00	0.00	-0.36	0.32	
RANGE(MAX-MIN)	2.370	1.400	-2.150	-1.240	-2.120	2.240	0.990	-1.120	1.340	0.620	-0.090	0.610	
MEAN	0.940	-0.233	-0.638	-0.943	-0.728	0.240	0.682	0.048	0.070	0.000	-0.450	0.320	
STANDARD DEVIATION	0.979	1.069	0.984	1.255	0.964	1.148	0.769	0.770	0.969	0.100	0.000	0.000	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-0.26	0.91	-0.16	0.40	0.44	-0.06	-0.44	0.48	1.86	0.00			
B2-KEYSTONE	-0.23	-0.67	-0.18	-0.15	0.21	-0.51	-0.95	0.30	1.29	0.00			
B3-KEYSTONE	0.84	-0.23	-0.13	0.19	0.10	-1.46	-1.10	-0.15	-0.78	0.00			
B4-C13-STYLE	1.02	1.10	-0.33		-1.18	-0.05	1.54	0.46	1.85	0.00	0.20	0.75	
B5-C13-STYLE													
B6-C13-STYLE	0.13	0.11	-0.56		-1.46	-0.88	0.28	0.75	-0.47	0.00	-0.16	0.77	
B7-DV4 PISTON	-0.05	-1.08	1.93			-0.82	0.32						
C1-KEYSTONE	0.05	-1.92	-1.53	-1.57	-0.69	-1.18	-1.30	-0.92	-0.12	0.00			
C2-KEYSTONE	-0.70	-0.54	-1.88	0.31	-0.13	-1.49	-0.82	0.25	-1.37	0.00			
C3-KEYSTONE	-0.79	-0.36	-1.88	-1.50	-0.61	-1.33	-1.51	-0.55	0.56	0.00			
C4-C13-STYLE													
C5-C13-STYLE	-0.09	-1.34	-0.78		-1.71	-1.85	1.80	0.94	0.91	0.00	0.84	0.02	
C6-C13-STYLE	-0.74	-0.53	0.36		-0.68	-1.14	1.71	-0.31	0.65	0.20	-0.62	0.35	
C7-DV4 PISTON	-1.13	-1.41	0.22			-1.31	-0.40						
MAXIMUM	-1.13	-1.92	1.93	-1.57	-1.71	-1.85	1.80	0.94	1.86	0.20	0.84	0.77	
MINIMUM	-0.05	0.11	-0.13	-0.15	0.10	-0.05	0.28	-0.15	-0.12	0.00	-0.16	0.02	
RANGE(MAX-MIN)	-1.080	-2.030	2.060	-1.420	-1.810	-1.800	1.520	1.090	1.980	0.200	1.000	0.750	
MEAN	-0.163	-0.497	-0.410	-0.387	-0.571	-1.007	-0.073	0.125	0.438	0.020	0.065	0.473	
STANDARD DEVIATION	0.641	0.901	1.062	0.909	0.727	0.564	1.197	0.592	1.101	0.100	0.616	0.358	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Ragsdale, Kirt

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	1.36	1.04	-0.81	-1.51	-0.40	-0.49	-1.32	0.98	-0.82	0.00			
B2-KEYSTONE	0.23	1.12	-1.56	0.25	1.29	0.11	-0.44	1.75	0.76	0.00			
B3-KEYSTONE	-0.28	-0.66	0.40	0.19	1.05	-0.10	-0.42	0.33	-1.17	0.00			
B4-C13-STYLE	1.55	0.15	-0.11		0.04	1.56	0.03	-0.14	0.50	2.65	-0.55	0.90	
B5-C13-STYLE	1.04	-1.01	-0.59		1.34	-0.61	-0.96	0.33	-0.91	1.16	-0.91	1.53	
B6-C13-STYLE	0.26	-0.98	-0.66		0.14	1.77	-0.29	-0.25	-0.47	0.00	-0.64	-1.55	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.55	1.12	-1.56	-1.51	1.34	1.77	-1.32	1.75	-1.17	2.65	-0.91	-1.55	
MINIMUM	0.23	0.15	-0.11	0.19	0.04	-0.10	0.03	-0.14	-0.47	0.00	-0.55	0.90	
RANGE(MAX-MIN)	1.320	0.970	-1.450	-1.700	1.300	1.870	-1.350	1.890	-0.700	2.650	-0.360	-2.450	
MEAN	0.693	-0.057	-0.555	-0.357	0.577	0.373	-0.567	0.500	-0.352	0.635	-0.700	0.293	
STANDARD DEVIATION	0.728	0.975	0.663	0.999	0.741	1.036	0.488	0.751	0.797	1.091	0.187	1.627	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.11	-1.02	-0.11	-1.43	-0.23	1.63	0.01	1.42	-1.18	0.00			
A2-KEYSTONE	0.08	75.19	-0.05	-0.88	0.14	-1.39	1.19	0.40	-0.43	0.00			
A3-KEYSTONE	0.59	0.59	-0.46	-1.09	0.92	1.65	2.10	-1.03	-0.06	0.00			
A4-C13-STYLE	-0.14	0.60	1.42		-2.87	0.34	-0.45	-1.12	80.00	0.62	-0.61	2.72	
A5-C13-STYLE	1.76	-0.97	-1.09		0.41	0.76	-0.51	0.54	3.10	1.31	-0.76	1.84	
A6-C13-STYLE	-0.32	-0.74	1.07		-0.36	1.00	0.89	-0.34	0.00	0.42	-0.82	-1.33	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.76	75.19	1.42	-1.43	-2.87	1.65	2.10	1.42	80.00	1.31	-0.82	2.72	
MINIMUM	0.08	0.59	-0.05	-0.88	0.14	0.34	0.01	-0.34	0.00	0.00	-0.61	-1.33	
RANGE(MAX-MIN)	1.680	74.600	1.470	-0.550	-3.010	1.310	2.090	1.760	80.000	1.310	-0.210	4.050	
MEAN	0.513	-0.308	0.130	-1.133	-0.332	0.665	0.538	-0.022	0.286	0.392	-0.730	1.077	
STANDARD DEVIATION	0.803	0.831	0.946	0.278	1.326	1.127	1.034	0.990	1.642	0.521	0.108	2.130	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-0.55	-0.62	1.08	0.01	-0.21	0.45	-0.56	-0.87	-0.03	0.00				
A2-KEYSTONE	-0.46	0.19	0.71	0.44	0.09	0.36	0.13	0.20	2.48	0.00				
A3-KEYSTONE	-1.06	-1.63	0.35	2.54	-0.53	-0.42	-1.07	-0.90	0.76	0.00				
A4-C13-STYLE	-2.36	-0.72	0.86		0.30	-0.04	-1.34	-0.34	0.00	-1.45	-0.61	-1.94		
A5-C13-STYLE														
A6-C13-STYLE														
A7-DV4 PISTON	0.20	-0.67	-0.12			0.25	-0.42							
B1-KEYSTONE														
B2-KEYSTONE	-0.70	1.24	1.39	-0.35	-0.19	-1.01	-0.37	-0.18	-0.24	0.00				
B3-KEYSTONE	-1.42	0.26	0.66	0.99	1.45	-0.19	1.09	1.06	0.39	0.00				
B4-C13-STYLE	-1.21	-0.07	0.15		0.45	-0.21	-0.64	1.14	-0.17	0.00	-0.47	-2.22		
B5-C13-STYLE	-0.92	-0.38	0.69		-1.72	-0.68	0.15	0.82	0.91	-1.71	-0.91	-1.73		
B6-C13-STYLE	-1.41	0.51	-0.38		1.52	0.78	0.91	-0.25	0.47	0.00	-0.51	-1.89		
B7-DV4 PISTON	-0.86	-0.35	0.08			-0.52	1.32							
C1-KEYSTONE														
C2-KEYSTONE														
C3-KEYSTONE														
C4-C13-STYLE														
C5-C13-STYLE														
C6-C13-STYLE														
C7-DV4 PISTON														
MAXIMUM	-2.36	-1.63	1.39	2.54	-1.72	-1.01	-1.34	1.14	2.48	-1.71	-0.91	-2.22		
MINIMUM	0.20	-0.07	0.08	0.01	0.09	-0.04	0.13	-0.18	0.00	0.00	-0.47	-1.73		
RANGE(MAX-MIN)	-2.560	-1.560	1.310	2.530	-1.810	-0.970	-1.470	1.320	2.480	-1.710	-0.440	-0.490		
MEAN	-0.977	-0.204	0.497	0.726	0.129	-0.112	-0.073	0.076	0.508	-0.351	-0.625	-1.945		
STANDARD DEVIATION	0.655	0.757	0.533	1.131	0.993	0.536	0.878	0.780	0.844	0.700	0.199	0.204		



## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.55	-0.01	1.05	0.51	-0.60	-0.70	-1.68	-1.33	-0.79	0.00			
A2-KEYSTONE	-0.86	0.19	-1.75	0.20	-0.79	-1.07	-0.98	-1.40	-0.85	0.00			
A3-KEYSTONE	1.00	-1.00	-1.18	-0.16	-1.07	-1.39	0.79	0.40	-0.61	0.00			
A4-C13-STYLE	-0.27	0.73	1.47		-1.03	-0.82	0.07	-2.58	0.00	0.62	1.75	-1.36	
A5-C13-STYLE	-0.12	0.97	0.94		-2.04	-0.17	0.55	-1.50	-0.77	-0.07	-0.25	-0.36	
A6-C13-STYLE	-0.30	-0.20	1.52		-2.07	-0.80	1.35	-1.26	0.00	-1.48	1.60	0.00	
A7-DV4 PISTON													
B1-KEYSTONE	1.21	-1.43	1.78	0.60	-2.12	-0.11	1.85	-0.70	-0.51	0.00			
B2-KEYSTONE	0.70	-0.87	-1.42	-0.05	-0.93	1.24	-0.87	-1.63	-1.29	0.00			
B3-KEYSTONE	-0.25	0.11	-1.19	-0.41	0.04	0.23	-1.86	-1.60	0.39	0.00			
B4-C13-STYLE	0.30	1.17	1.10		-1.25	1.16	0.93	-1.33	-0.84	1.32	1.32	0.46	
B5-C13-STYLE	0.39	1.59	1.35		0.05	-0.53	1.78	-0.98	-0.91	-0.27	1.33	0.78	
B6-C13-STYLE	-0.79	1.12	1.26		-1.29	-0.05	-0.49	-2.25	-0.47	0.00	1.86	0.77	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.21	1.59	1.78	0.60	-2.12	-1.39	-1.86	-2.58	-1.29	-1.48	1.86	-1.36	
MINIMUM	-0.12	-0.01	0.94	-0.05	0.04	-0.05	0.07	0.40	0.00	0.00	-0.25	0.00	
RANGE(MAX-MIN)	1.330	1.600	0.840	0.650	-2.160	-1.340	-1.930	-2.980	-1.290	-1.480	2.110	-1.360	
MEAN	0.130	0.198	0.411	0.115	-1.092	-0.251	0.120	-1.347	-0.554	0.010	1.268	0.048	
STANDARD DEVIATION	0.667	0.956	1.352	0.394	0.734	0.819	1.289	0.746	0.473	0.632	0.775	0.822	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	7.77	2.54	0.57	-0.37	1.01	-0.35	-0.31	1.42	0.49	0.00			
A2-KEYSTONE	1.02	37.69	1.05	0.20	1.13	1.36	1.97	1.20	0.32	0.00			
A3-KEYSTONE	1.41	1.70	1.26	0.26	2.08	-0.77	-1.94	0.40	1.32	0.00			
A4-C13-STYLE	1.19	-0.09	-0.80		-0.70	0.43	-0.73	0.54	0.00	0.62	-0.61	0.43	
A5-C13-STYLE	1.89	1.51	0.69		1.09	-0.72	-0.52	0.54	-0.77	2.00	-0.76	0.27	
A6-C13-STYLE	0.85	1.20	-0.19		0.51	0.05	-0.42	1.17	0.00	1.05	-0.48	0.00	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	9.77	1.42	-0.22	0.44	0.70	-0.77	-0.96	0.78	-0.96	0.00			
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	9.77	37.69	1.26	0.44	2.08	1.36	1.97	1.42	1.32	2.00	-0.76	0.43	
MINIMUM	0.85	-0.09	-0.19	0.20	0.51	0.05	-0.31	0.40	0.00	0.00	-0.48	0.00	
RANGE(MAX-MIN)	8.920	37.780	1.450	0.240	1.570	1.310	2.280	1.020	1.320	2.000	-0.280	0.430	
MEAN	3.414	1.380	0.337	0.133	0.831	-0.110	-0.416	0.864	0.057	0.524	-0.617	0.233	
STANDARD DEVIATION	3.719	0.856	0.755	0.350	0.838	0.794	1.185	0.397	0.772	0.771	0.140	0.217	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Arthur (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	7.77	2.54	0.57	-0.37	1.01	-0.35	-0.31	1.42	0.49	0.00			
A2-KEYSTONE	1.02	0.19	1.05	0.20	1.13	1.36	1.97	1.20	0.32	0.00			
A3-KEYSTONE	1.41	1.70	1.26	0.26	2.08	-0.77	-1.94	0.40	1.32	0.00			
A4-C13-STYLE	1.19	-0.09	-0.80		-0.70	0.43	-0.73	0.54	0.00	0.62	-0.61	0.43	
A5-C13-STYLE	1.89	1.51	0.69		1.09	-0.72	-0.52	0.54	-0.77	2.00	-0.76	0.27	
A6-C13-STYLE	0.85	1.20	-0.19		0.51	0.05	-0.42	1.17	0.00	1.05	-0.48	0.00	
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	9.77	1.42	-0.22	0.44	0.70	-0.77	-0.96	0.78	-0.96	0.00			
C2-KEYSTONE	0.24	0.07	0.46	0.02	0.51	0.21	-0.32	-0.90	-0.33	0.00			
C3-KEYSTONE	1.58	0.36	-0.46	-1.78	-0.72	-6.83	-2.61	-0.33	-0.22	0.00			
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	9.77	2.54	1.26	-1.78	2.08	-6.83	-2.61	1.42	1.32	2.00	-0.76	0.43	
MINIMUM	0.24	0.07	-0.19	0.02	0.51	0.05	-0.31	-0.33	0.00	0.00	-0.48	0.00	
RANGE(MAX-MIN)	9.530	2.470	1.450	-1.800	1.570	-6.880	-2.300	1.750	1.320	2.000	-0.280	0.430	
MEAN	2.858	0.989	0.262	-0.205	0.623	-0.821	-0.649	0.536	-0.017	0.408	-0.617	0.233	
STANDARD DEVIATION	3.421	0.898	0.709	0.819	0.890	2.358	1.263	0.751	0.685	0.706	0.140	0.217	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Christopher

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.00	-0.59	0.69	0.10	0.08	-0.94	0.45	1.42	0.36	0.00			
A2-KEYSTONE	2.09	0.19	0.03	-0.40	1.91	0.45	-0.03	0.40	-0.02	0.00			
A3-KEYSTONE	1.27	0.43	0.22	-0.81	0.64	0.08	0.40	-0.12	0.08	0.00			
A4-C13-STYLE	0.46	-0.66	-0.81		0.05	0.37	-1.06	0.34	0.00	-1.45	0.49	0.72	
A5-C13-STYLE	-0.43	-0.22	-1.31		-0.54	0.84	2.04	0.54	0.19	-1.45	0.06	1.01	
A6-C13-STYLE	1.12	-0.26	0.63		0.03	-0.80	0.18	0.67	0.00	-0.84	-0.36	1.78	
A7-DV4 PISTON													
B1-KEYSTONE	0.33	-0.78	0.32	-0.64	0.46	-1.10	-0.48	0.48	-0.20	0.00			
B2-KEYSTONE	-0.70	0.72	-0.04	-0.95	1.49	-0.65	1.43	1.27	0.48	0.00			
B3-KEYSTONE	1.35	-0.29	-0.04	-1.21	0.32	-0.65	0.63	0.82	-0.39	0.00			
B4-C13-STYLE	0.38	-0.81	-0.71		-0.47	-0.58	-0.77	0.71	-0.17	-1.32	-0.55	0.68	
B5-C13-STYLE	0.29	-0.13	-0.96		-0.16	0.59	-1.13	0.82	0.91	0.14	-0.37	0.71	
B6-C13-STYLE	0.84	-0.20	-1.03		0.37	0.07	-0.55	0.30	1.40	0.00	-0.55	0.93	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	2.09	-0.81	-1.31	-1.21	1.91	-1.10	2.04	1.42	1.40	-1.45	-0.55	1.78	
MINIMUM	0.00	-0.13	0.03	0.10	0.03	0.07	-0.03	-0.12	0.00	0.00	0.06	0.68	
RANGE(MAX-MIN)	2.090	-0.680	-1.340	-1.310	1.880	-1.170	2.070	1.540	1.400	-1.450	-0.610	1.100	
MEAN	0.583	-0.217	-0.251	-0.652	0.348	-0.193	0.093	0.638	0.220	-0.410	-0.213	0.972	
STANDARD DEVIATION	0.792	0.475	0.683	0.459	0.727	0.665	0.973	0.421	0.507	0.651	0.410	0.418	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Schakel, J.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	155.87	-1.02	1.56	0.26	0.01	16.47	0.67	-3.16	-2.33	0.00			
A2-KEYSTONE	1.02	0.19	-0.12	1.82	-1.18	24.43	0.95	-2.20	-1.68	0.00			
A3-KEYSTONE	1.14	0.27	1.98	-0.39	-1.90	7.67	1.66	-1.93	-2.68	0.00			
A4-C13-STYLE	3.59	0.00	-1.36		-2.42	18.81	-1.13	-5.21	-10.00	-1.45	-0.61	-1.94	
A5-C13-STYLE	3.96	-1.60	0.97		-0.70	10.64	0.14	-4.09	-1.74	-0.07	1.59	-3.92	
A6-C13-STYLE	1.80	0.06	0.60		0.33	-2.93	1.26	-5.11	-10.00	1.05	1.02	-2.22	
A7-DV4 PISTON	34.46	3.42	8.08			2.44	0.38						
B1-KEYSTONE	6.08	4.54	3.49	-0.88	-0.40	18.29	0.75	3.50	0.43	0.00			
B2-KEYSTONE	134.00	2.83	0.10	2.35	0.70	8.05	3.65	35.64	-1.20	0.00			
B3-KEYSTONE	6.68	62.92	-0.04	0.69	-0.29	3.74	2.14	7.10	14.04	0.00			
B4-C13-STYLE	4.36	0.31	1.32		-0.21	4.19	0.10	-4.06	-1.51	0.00	-0.55	-2.22	
B5-C13-STYLE	3.02	-1.81	-1.87		0.70	5.42	0.95	1.63	6.39	0.96	-0.37	0.99	
B6-C13-STYLE	2.18	-0.07	0.25		0.67	6.18	0.97	1.57	1.40	0.00	-0.52	2.26	
B7-DV4 PISTON													
C1-KEYSTONE	1.26	5.45	0.80	-0.05	-0.98	16.57	0.89	-0.92	2.12	0.00			
C2-KEYSTONE	2.07	-3.50	3.71	0.96	-1.71	4.22	5.27	-2.91	13.14	0.00			
C3-KEYSTONE	1.58	2.54	1.76	1.31	-0.14	7.05	1.34	0.33	3.66	0.00			
C4-C13-STYLE	1.68	-0.70	0.76		1.15	6.37	-1.05	-1.31	7.10	1.30	0.53	4.19	
C5-C13-STYLE	4.30	-4.05	1.30		1.28	6.77	0.04	0.19	6.39	0.00	0.48	1.86	
C6-C13-STYLE	2.43	-1.37	1.27		1.02	1.78	6.16	-1.90	2.58	2.04	1.91	4.20	
C7-DV4 PISTON													
MAXIMUM	155.87	62.92	8.08	2.35	-2.42	24.43	6.16	35.64	14.04	2.04	1.91	4.20	
MINIMUM	1.02	0.00	-0.04	-0.05	0.01	1.78	0.04	0.19	0.43	0.00	-0.37	0.99	
RANGE(MAX-MIN)	154.850	62.920	8.120	2.400	-2.430	22.650	6.120	35.450	13.610	2.040	2.280	3.210	
MEAN	19.552	0.305	1.293	0.674	-0.226	8.745	1.323	-1.087	1.451	0.213	0.387	0.356	
STANDARD DEVIATION	44.944	2.577	2.134	1.052	1.089	7.014	1.880	3.236	6.476	0.734	0.966	3.012	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Seeck, Christian

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	32.17	1.60	-2.04	-1.40	-1.96	-1.16	-0.59	1.88	1.77	0.00			
A2-KEYSTONE	10.54	0.19	-2.06	-2.31	-1.36	-0.85	-0.92	2.59	1.56	0.00			
A3-KEYSTONE	11.99	2.18	-3.36	-1.97	-1.12	2.77	-2.26	0.66	1.73	0.00			
A4-C13-STYLE	0.49	1.06	-1.06		-0.89	1.01	-1.02	0.73	0.00	-1.45	-0.61	1.79	
A5-C13-STYLE	1.69	-1.07	-1.00		-1.77	2.02	-0.81	1.37	-0.77	-0.07	0.26	1.53	
A6-C13-STYLE	0.95	1.06	-1.79		-0.14	-6.96	0.98	1.01	0.00	0.42	-0.36	1.78	
A7-DV4 PISTON													
B1-KEYSTONE	2.69	-1.69	-3.08	-2.75	0.36	1.83	-5.38	1.15	-0.13	0.00			
B2-KEYSTONE	9.59	1.18	-3.68	-3.15	-1.35	1.26	-1.73	-2.12	1.91	0.00			
B3-KEYSTONE	10.08	-0.19	-2.78	-1.61	-1.81	-0.22	-2.77	0.82	0.78	0.00			
B4-C13-STYLE	1.60	0.46	0.45		-0.85	2.67	-1.55	2.08	3.19	0.00	-0.50	1.11	
B5-C13-STYLE	1.38	0.68	-0.57		0.61	0.07	-1.36	0.82	0.91	-0.07	-0.46	1.33	
B6-C13-STYLE	1.28	-0.13	0.01		0.94	3.30	0.43	0.48	1.40	0.00	-0.96	1.35	
B7-DV4 PISTON													
C1-KEYSTONE	38.92	-0.94	-3.49	-3.74	-0.90	-0.77	-2.02	-0.92	3.10	0.00			
C2-KEYSTONE	1.39	0.87	-4.22	-2.36	-0.94	-0.75	0.14	0.25	-0.07	0.00			
C3-KEYSTONE	2.37	-0.36	-1.84	-2.88	-0.26	-0.35	-0.89	-0.33	1.68	0.00			
C4-C13-STYLE	-0.57	2.10	4.19		0.35	1.67	0.29	0.11	1.29	0.43	-0.50	2.02	
C5-C13-STYLE	1.77	0.66	0.43		-1.23	7.66	-0.60	0.19	0.91	0.00	-0.65	2.64	
C6-C13-STYLE	1.32	-0.92	0.82		-0.18	3.33	0.47	1.28	0.65	0.82	-0.12	2.72	
C7-DV4 PISTON													
MAXIMUM	38.92	2.18	-4.22	-3.74	-1.96	7.66	-5.38	2.59	3.19	-1.45	-0.96	2.72	
MINIMUM	0.49	-0.13	0.01	-1.40	-0.14	0.07	0.14	0.11	0.00	0.00	-0.12	1.11	
RANGE(MAX-MIN)	38.430	2.310	-4.230	-2.340	-1.820	7.590	-5.520	2.480	3.190	-1.450	-0.840	1.610	
MEAN	7.203	0.374	-1.393	-2.463	-0.694	0.918	-1.088	0.669	1.106	0.004	-0.433	1.808	
STANDARD DEVIATION	11.099	1.102	2.075	0.749	0.869	2.920	1.480	1.097	1.077	0.430	0.344	0.567	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Terrado, Ken

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE	0.55	-0.29	-0.56	0.35	-1.95	0.91	-2.03	0.50	-0.41	0.00			
A2-KEYSTONE	0.48	0.19	-0.46	-0.16	0.14	-0.19	-0.23	0.80	-0.10	0.00			
A3-KEYSTONE	0.59	-1.31	-1.68	-1.46	-1.38	-0.85	-0.83	-0.64	-1.58	0.00			
A4-C13-STYLE	-0.94	-1.92	1.17		-0.60	-1.12	-1.13	0.34	0.00	-1.45	-0.14	0.57	
A5-C13-STYLE	0.45	-1.12	-0.40		-0.35	0.59	-0.28	0.72	0.19	-1.45	0.38	0.69	
A6-C13-STYLE	-0.98	-1.42	-1.22		-0.13	-0.77	-0.04	-1.09	0.00	-0.84	0.05	-0.67	
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	-0.98	-1.92	-1.68	-1.46	-1.95	-1.12	-2.03	-1.09	-1.58	-1.45	0.38	0.69	
MINIMUM	0.45	0.19	-0.40	-0.16	-0.13	-0.19	-0.04	0.34	0.00	0.00	0.05	0.57	
RANGE(MAX-MIN)	-1.430	-2.110	-1.280	-1.300	-1.820	-0.930	-1.990	-1.430	-1.580	-1.450	0.330	0.120	
MEAN	0.025	-0.978	-0.525	-0.423	-0.712	-0.238	-0.757	0.105	-0.317	-0.623	0.097	0.197	
STANDARD DEVIATION	0.765	0.781	0.971	0.933	0.798	0.830	0.746	0.782	0.649	0.718	0.263	0.753	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	0.00	-0.91	-0.82	-0.02	-0.10	0.19	0.34	0.50	0.23	0.00			
A2-KEYSTONE	0.75	0.19	-0.16	-0.40	-0.10	1.23	-0.85	-0.20	-0.18	0.00			
A3-KEYSTONE	0.72	0.43	0.22	0.12	0.49	-0.05	-0.08	-0.12	0.21	0.00			
A4-C13-STYLE	0.14	-0.61	-1.20		1.00	0.59	-0.45	0.34	0.00	-1.45	1.52	0.57	
A5-C13-STYLE	0.46	-1.09	-1.33		0.05	0.59	-0.38	0.72	0.19	-0.76	0.16	0.69	
A6-C13-STYLE	0.59	-1.55	-0.74		-0.48	-0.30	0.18	0.34	0.00	-0.84	-0.48	-0.22	
A7-DV4 PISTON													
B1-KEYSTONE	1.21	1.43	-0.81	-1.63	0.84	-0.23	-1.15	1.15	-0.07	0.00			
B2-KEYSTONE	0.23	0.62	-0.64	-1.25	1.00	0.19	0.92	0.79	0.43	0.00			
B3-KEYSTONE	1.01	-0.94	1.81	-0.51	0.41	0.25	-0.12	0.33	0.39	0.00			
B4-C13-STYLE	0.59	-1.63	-1.47		-0.03	0.01	-1.03	0.29	-0.17	-1.32	-0.64	0.61	
B5-C13-STYLE	1.27	-1.33	-1.10		0.37	0.71	0.15	0.73	0.91	0.34	-0.28	0.78	
B6-C13-STYLE	0.84	-1.05	-0.97		0.48	0.61	-0.97	0.48	-0.47	0.00	-0.51	0.85	
B7-DV4 PISTON													
C1-KEYSTONE													
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON													
MAXIMUM	1.27	-1.63	1.81	-1.63	1.00	1.23	-1.15	1.15	0.91	-1.45	1.52	0.85	
MINIMUM	0.00	0.19	-0.16	-0.02	-0.03	0.01	-0.08	-0.12	0.00	0.00	0.16	-0.22	
RANGE(MAX-MIN)	1.270	-1.820	1.970	-1.610	1.030	1.220	-1.070	1.270	0.910	-1.450	1.360	1.070	
MEAN	0.651	-0.537	-0.601	-0.615	0.328	0.316	-0.287	0.446	0.123	-0.336	-0.038	0.547	
STANDARD DEVIATION	0.402	0.972	0.896	0.691	0.472	0.444	0.636	0.378	0.357	0.595	0.813	0.390	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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													
A2-KEYSTONE													
A3-KEYSTONE	-0.37	-0.04	-1.64	0.31	-1.12	-1.03	-0.91	0.40	-1.30	0.00			
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON	0.71	-0.59	-0.92			0.63	-0.62						
B1-KEYSTONE	-0.12	0.13	0.65	1.07	-0.69	-0.89	1.63	0.48	0.24	0.00			
B2-KEYSTONE	0.70	0.19	-2.44	2.35	-1.69	-1.21	1.51	0.30	0.33	0.00			
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE	0.21	-0.35	-0.27		0.25	-1.28	0.29	0.73	0.91	-0.27	-0.91	1.53	
B6-C13-STYLE													
B7-DV4 PISTON	0.75	0.00	-1.46			-0.43	-0.68						
C1-KEYSTONE	1.26	0.93	-0.22	-0.54	-0.26	-1.09	-0.80	-0.92	-0.68	0.00			
C2-KEYSTONE													
C3-KEYSTONE													
C4-C13-STYLE													
C5-C13-STYLE													
C6-C13-STYLE													
C7-DV4 PISTON	-0.56	-1.84	0.56			0.26	0.24						
MAXIMUM	1.26	-1.84	-2.44	2.35	-1.69	-1.28	1.63	-0.92	-1.30	-0.27	-0.91	1.53	
MINIMUM	-0.12	0.00	-0.22	0.31	0.25	0.26	0.24	0.30	0.24	0.00	-0.91	1.53	
RANGE(MAX-MIN)	1.380	-1.840	-2.220	2.040	-1.940	-1.540	1.390	-1.220	-1.540	-0.270	0.000	0.000	
MEAN	0.323	-0.196	-0.718	0.798	-0.702	-0.630	0.083	0.198	-0.100	-0.054	0.000	0.000	
STANDARD DEVIATION	0.635	0.799	1.093	1.226	0.750	0.719	1.024	0.645	0.880	0.121	0.100	0.100	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	1.26	0.29	-0.90	-0.70	-0.94	-0.22	-1.09	0.78	1.42	0.00			
C2-KEYSTONE	0.50	0.68	0.19	1.10	-1.69	1.46	-0.40	0.82	-0.85	0.00			
C3-KEYSTONE	0.00	0.36	-0.19	-0.99	-0.59	-0.56	-0.12	-0.33	0.22	0.00			
C4-C13-STYLE	0.27	0.49	0.31		0.23	0.13	-0.50	1.78	-0.65	0.65	-0.64	1.73	
C5-C13-STYLE	1.63	-0.43	-0.38		0.79	-0.11	-0.60	0.19	0.91	0.00	-0.65	1.20	
C6-C13-STYLE	1.19	-1.73	-1.13		-0.48	-0.07	0.29	1.55	0.65	0.20	-0.62	0.49	
C7-DV4 PISTON													
MAXIMUM	1.63	-1.73	-1.13	1.10	-1.69	1.46	-1.09	1.78	1.42	0.65	-0.65	1.73	
MINIMUM	0.00	0.29	0.19	-0.70	0.23	-0.07	-0.12	0.19	0.22	0.00	-0.62	0.49	
RANGE(MAX-MIN)	1.630	-2.020	-1.320	1.800	-1.920	1.530	-0.970	1.590	1.200	0.650	-0.030	1.240	
MEAN	0.808	-0.057	-0.350	-0.197	-0.447	0.105	-0.403	0.798	0.283	0.142	-0.637	1.140	
STANDARD DEVIATION	0.642	0.903	0.577	1.132	0.872	0.702	0.465	0.797	0.892	0.262	0.100	0.622	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Yan, Thomas

YI Values

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

PartID	G1TOT	G2TOT	G3TOT	USTOT	L1TOT	L2TOT	L3TOT	TGF	SGF	TLHC	L4TOT	AGF	
A1-KEYSTONE													
A2-KEYSTONE													
A3-KEYSTONE													
A4-C13-STYLE													
A5-C13-STYLE													
A6-C13-STYLE													
A7-DV4 PISTON													
B1-KEYSTONE													
B2-KEYSTONE													
B3-KEYSTONE													
B4-C13-STYLE													
B5-C13-STYLE													
B6-C13-STYLE													
B7-DV4 PISTON													
C1-KEYSTONE	-1.17	0.98	-1.49	-0.16	0.48	1.39	-0.41	0.21	-0.96	0.00			
C2-KEYSTONE	-0.18	0.40	-0.17	0.38	1.34	1.29	0.14	-1.48	-0.85	0.00			
C3-KEYSTONE	-0.79	0.36	0.87	0.01	1.20	-0.32	-0.57	-0.33	0.47	0.00			
C4-C13-STYLE	-0.13	-0.38	0.76		0.77	0.34	0.02	-1.69	-0.65	1.09	-0.28	-0.14	
C5-C13-STYLE	0.70	0.87	-0.98		0.97	0.29	1.00	0.19	-0.91	0.00	-0.50	-0.90	
C6-C13-STYLE	0.98	-0.69	-1.44		0.40	-0.66	1.12	-1.64	0.65	1.43	-0.36	-0.54	
C7-DV4 PISTON													
MAXIMUM	-1.17	0.98	-1.49	0.38	1.34	1.39	1.12	-1.69	-0.96	1.43	-0.50	-0.90	
MINIMUM	-0.13	0.36	-0.17	0.01	0.40	0.29	0.02	0.19	0.47	0.00	-0.28	-0.14	
RANGE(MAX-MIN)	-1.040	0.620	-1.320	0.370	0.940	1.100	1.100	-1.880	-1.430	1.430	-0.220	-0.760	
MEAN	-0.098	0.257	-0.408	0.077	0.860	0.388	0.217	-0.790	-0.375	0.420	-0.380	-0.527	
STANDARD DEVIATION	0.829	0.668	1.060	0.276	0.380	0.828	0.705	0.914	0.734	0.659	0.111	0.380	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

Rater= Aguirre, Nancy P (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 (Sept.30-Oct.4 2019)

Rater= Anderson, Dan

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 (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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	1.16	1.04	-0.72	-0.88	-1.24	-0.82	
M1-6-C13 2ND RING CARBON	0.31	0.21	-0.36	-1.30	-0.78	0.22	
N1-6-C13 2ND RING CARBON	-1.28	0.13	-0.69	-0.88	0.09	0.12	
O1-6-C13 2ND RING CARBON	0.11	-0.08	-0.64	-0.58	-0.83	0.09	
MAXIMUM	-1.28	1.04	-0.72	-1.30	-1.24	-0.82	
MINIMUM	0.11	-0.08	-0.36	-0.58	0.09	0.09	
RANGE(MAX-MIN)	-1.390	1.120	-0.360	-0.720	-1.330	-0.910	
MEAN	0.075	0.325	-0.603	-0.910	-0.690	-0.098	
STANDARD DEVIATION	1.012	0.492	0.165	0.296	0.559	0.485	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Bian, Zheng

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 (Sept.30-Oct.4 2019)

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	-0.29	-0.29	-2.05	-1.51	-1.39	-0.83	
K1-6-C13 2ND RING CARBON	-1.70	-0.83	-1.79	-1.06	-0.97	-1.07	
L1-6-C13 2ND RING CARBON	-1.90	-1.95	-2.01	-1.35	-0.33	-0.48	
M1-6-C13 2ND RING CARBON	-1.89	-2.32	-1.06	-0.50	-1.90	-1.67	
N1-6-C13 2ND RING CARBON	-0.15	-1.04	-0.69	-0.32	-1.13	-1.12	
O1-6-C13 2ND RING CARBON	-0.85	-0.08	-1.04	-1.21	-0.83	-0.96	
MAXIMUM	-1.90	-2.32	-2.05	-1.51	-1.90	-1.67	
MINIMUM	-0.15	-0.08	-0.69	-0.32	-0.33	-0.48	
RANGE(MAX-MIN)	-1.750	-2.240	-1.360	-1.190	-1.570	-1.190	
MEAN	-1.130	-1.085	-1.440	-0.992	-1.092	-1.022	
STANDARD DEVIATION	0.805	0.892	0.581	0.478	0.531	0.391	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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	1.10	1.25	0.01	1.31	1.23	0.99	
K1-6-C13 2ND RING CARBON	-0.50	0.02	1.20	0.16	0.51	0.89	
L1-6-C13 2ND RING CARBON	0.65	0.78	0.93	1.32	0.58	0.55	
M1-6-C13 2ND RING CARBON	1.32	0.84	0.89	0.70	1.45	1.09	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	1.32	1.25	1.20	1.32	1.45	1.09	
MINIMUM	-0.50	0.02	0.01	0.16	0.51	0.55	
RANGE(MAX-MIN)	1.820	1.230	1.190	1.160	0.940	0.540	
MEAN	0.643	0.723	0.758	0.873	0.943	0.880	
STANDARD DEVIATION	0.811	0.513	0.517	0.556	0.469	0.235	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Demel, Samuel

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON	0.97	1.29	0.95	2.04	0.89	1.73	
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	0.97	1.29	0.95	2.04	0.89	1.73	
MINIMUM	0.97	1.29	0.95	2.04	0.89	1.73	
RANGE(MAX-MIN)	0.000	0.000	0.000	0.000	0.000	0.000	
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	
STANDARD DEVIATION	0.100	0.100	0.100	0.100	0.100	0.100	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	1.10	2.41	0.24	0.55	0.75	0.85	
K1-6-C13 2ND RING CARBON	0.14	0.23	1.20	1.10	1.38	1.31	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	1.53	-0.16	1.00	0.80	0.85	1.07	
O1-6-C13 2ND RING CARBON	1.07	2.18	1.56	1.15	1.28	1.28	
MAXIMUM	1.53	2.41	1.56	1.15	1.38	1.31	
MINIMUM	0.14	-0.16	0.24	0.55	0.75	0.85	
RANGE(MAX-MIN)	1.390	2.570	1.320	0.600	0.630	0.460	
MEAN	0.960	1.165	1.000	0.900	1.065	1.128	
STANDARD DEVIATION	0.586	1.318	0.557	0.280	0.311	0.214	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Foecking, Brian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON							
K1-6-C13 2ND RING CARBON							
L1-6-C13 2ND RING CARBON	0.50	1.04	0.69	1.32	-0.33	1.58	
M1-6-C13 2ND RING CARBON	0.95	0.36	0.89	0.10	0.75	0.91	
N1-6-C13 2ND RING CARBON	0.69	1.60	0.76	0.61	1.04	1.45	
O1-6-C13 2ND RING CARBON	2.03	-0.08	0.96	1.31	1.42	1.68	
MAXIMUM	2.03	1.60	0.96	1.32	1.42	1.68	
MINIMUM	0.50	-0.08	0.69	0.10	-0.33	0.91	
RANGE(MAX-MIN)	1.530	1.680	0.270	1.220	1.750	0.770	
MEAN	1.043	0.730	0.825	0.835	0.720	1.405	
STANDARD DEVIATION	0.684	0.741	0.122	0.592	0.752	0.343	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Garcia, 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							
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 (Sept.30-Oct.4 2019)

Rater= Groenewoud, Marc

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 (Sept.30-Oct.4 2019)

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	0.17	0.10	1.08	0.88	0.52	1.55	
K1-6-C13 2ND RING CARBON	0.69	-0.20	-0.42	0.96	0.14	0.47	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	0.97	0.13	0.88	0.24	-0.09	-0.26	
O1-6-C13 2ND RING CARBON	-1.01	-0.83	-0.24	-0.58	-0.55	-0.44	
MAXIMUM	-1.01	-0.83	1.08	0.96	-0.55	1.55	
MINIMUM	0.17	0.10	-0.24	0.24	-0.09	-0.26	
RANGE(MAX-MIN)	-1.180	-0.930	1.320	0.720	-0.460	1.810	
MEAN	0.205	-0.200	0.325	0.375	0.005	0.330	
STANDARD DEVIATION	0.875	0.446	0.764	0.714	0.447	0.904	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Hidayat, Mohammad Rachman

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-1.44	-1.06	0.24	-0.97	-1.03	-0.13	
K1-6-C13 2ND RING CARBON	-0.32	-0.30	0.08	-0.52	0.14	-0.37	
L1-6-C13 2ND RING CARBON	-1.54	-0.65	0.34	-0.19	0.04	-0.14	
M1-6-C13 2ND RING CARBON	-0.06	0.36	0.47	0.10	0.33	-0.12	
N1-6-C13 2ND RING CARBON							
O1-6-C13 2ND RING CARBON							
MAXIMUM	-1.54	-1.06	0.47	-0.97	-1.03	-0.37	
MINIMUM	-0.06	-0.30	0.08	0.10	0.04	-0.12	
RANGE(MAX-MIN)	-1.480	-0.760	0.390	-1.070	-1.070	-0.250	
MEAN	-0.840	-0.413	0.283	-0.395	-0.130	-0.190	
STANDARD DEVIATION	0.759	0.601	0.165	0.459	0.612	0.120	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-0.75	-1.06	0.01	-0.53	-1.03	-0.69	
K1-6-C13 2ND RING CARBON	-0.50	-0.41	-0.80	-0.92	-0.85	-0.51	
L1-6-C13 2ND RING CARBON	-0.37	-0.26	-0.72	-1.35	-1.06	-1.85	
M1-6-C13 2ND RING CARBON	-0.70	-0.90	-1.06	-0.90	-0.64	-1.33	
N1-6-C13 2ND RING CARBON	-1.28	-1.04	-0.69	-1.63	-1.60	-1.02	
O1-6-C13 2ND RING CARBON	-1.01	-0.45	-1.04	-1.21	-0.69	-0.83	
MAXIMUM	-1.28	-1.06	-1.06	-1.63	-1.60	-1.85	
MINIMUM	-0.37	-0.26	0.01	-0.53	-0.64	-0.51	
RANGE(MAX-MIN)	-0.910	-0.800	-1.070	-1.100	-0.960	-1.340	
MEAN	-0.768	-0.687	-0.717	-1.090	-0.978	-1.038	
STANDARD DEVIATION	0.333	0.353	0.389	0.388	0.349	0.487	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Kunk, Daniel

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 (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

Rater= Mulder, Jeroen

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 (Sept.30-Oct.4 2019)

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	-0.06	-0.29	0.17	0.23	-0.79	-1.53	
K1-6-C13 2ND RING CARBON	-0.32	-1.47	-1.42	-1.06	-1.34	-1.21	
L1-6-C13 2ND RING CARBON	-0.08	-1.17	-0.48	0.05	-0.69	-0.48	
M1-6-C13 2ND RING CARBON	-1.25	-0.11	-1.06	-1.30	-0.64	-0.81	
N1-6-C13 2ND RING CARBON	-0.43	-1.33	-1.41	-1.07	-1.42	-1.31	
O1-6-C13 2ND RING CARBON	-0.37	-0.83	-1.24	-0.74	-0.97	-1.10	
MAXIMUM	-1.25	-1.47	-1.42	-1.30	-1.42	-1.53	
MINIMUM	-0.06	-0.11	0.17	0.05	-0.64	-0.48	
RANGE(MAX-MIN)	-1.190	-1.360	-1.590	-1.350	-0.780	-1.050	
MEAN	-0.418	-0.867	-0.907	-0.648	-0.975	-1.073	
STANDARD DEVIATION	0.435	0.562	0.631	0.639	0.334	0.376	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Ragsdale, Kirt

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	0.43	0.65	1.05	0.97	2.23	1.24	
M1-6-C13 2ND RING CARBON	0.68	1.07	1.87	1.30	1.03	1.26	
N1-6-C13 2ND RING CARBON	0.97	1.31	1.00	1.91	1.04	0.88	
O1-6-C13 2ND RING CARBON							
MAXIMUM	0.97	1.31	1.87	1.91	2.23	1.26	
MINIMUM	0.43	0.65	1.00	0.97	1.03	0.88	
RANGE(MAX-MIN)	0.540	0.660	0.870	0.940	1.200	0.380	
MEAN	0.693	1.010	1.307	1.393	1.433	1.127	
STANDARD DEVIATION	0.270	0.334	0.489	0.477	0.690	0.214	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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							
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 (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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	1.10	0.10	0.24	0.66	0.87	-0.27	
K1-6-C13 2ND RING CARBON	1.89	2.04	-0.17	-0.38	-0.10	0.33	
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	1.89	2.04	0.24	0.66	0.87	0.33	
MINIMUM	1.10	0.10	-0.17	-0.38	-0.10	-0.27	
RANGE(MAX-MIN)	0.790	1.940	0.410	1.040	0.970	0.600	
MEAN	1.100	0.100	-0.170	-0.380	-0.100	-0.270	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Arthur (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 (Sept.30-Oct.4 2019)

Rater= Sanchez, Christopher

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.98	-0.29	-0.37	0.12	0.64	-0.27	
K1-6-C13 2ND RING CARBON	0.23	0.23	0.33	0.16	0.27	0.19	
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	-0.98	-0.29	-0.37	0.16	0.64	-0.27	
MINIMUM	0.23	0.23	0.33	0.12	0.27	0.19	
RANGE(MAX-MIN)	-1.210	-0.520	-0.700	0.040	0.370	-0.460	
MEAN	-0.980	-0.290	-0.370	0.120	0.270	-0.270	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Schakel, J.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							
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 (Sept.30-Oct.4 2019)

Rater= Seeck, Christian

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	1.56	0.48	1.93	1.09	0.87	1.41	
K1-6-C13 2ND RING CARBON	0.88	0.87	1.32	0.83	1.38	-0.09	
L1-6-C13 2ND RING CARBON	0.65	0.13	-0.13	-0.19	0.40	0.21	
M1-6-C13 2ND RING CARBON	0.31	0.76	-0.22	1.50	0.33	0.22	
N1-6-C13 2ND RING CARBON	-1.28	0.43	1.12	0.42	0.66	-0.45	
O1-6-C13 2ND RING CARBON	0.11	1.05	0.96	0.68	0.72	0.22	
MAXIMUM	1.56	1.05	1.93	1.50	1.38	1.41	
MINIMUM	0.11	0.13	-0.13	-0.19	0.33	-0.09	
RANGE(MAX-MIN)	1.450	0.920	2.060	1.690	1.050	1.500	
MEAN	0.372	0.620	0.830	0.722	0.727	0.253	
STANDARD DEVIATION	0.954	0.335	0.846	0.579	0.378	0.625	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Terrado, Ken

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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	-0.98	-0.67	-0.29	-0.10	0.64	0.01	
K1-6-C13 2ND RING CARBON	0.14	0.02	0.08	-0.11	0.39	0.05	
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	-0.98	-0.67	-0.29	-0.11	0.64	0.05	
MINIMUM	0.14	0.02	0.08	-0.10	0.39	0.01	
RANGE(MAX-MIN)	-1.120	-0.690	-0.370	-0.010	0.250	0.040	
MEAN	-0.980	-0.670	-0.290	-0.110	0.390	0.010	
STANDARD DEVIATION	0.000	0.000	0.000	0.000	0.000	0.000	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

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 (Sept.30-Oct.4 2019)

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	0.50	0.39	1.05	0.28	0.40	0.21	
M1-6-C13 2ND RING CARBON	0.31	-0.27	-0.36	0.30	0.06	0.22	
N1-6-C13 2ND RING CARBON	0.41	0.87	0.15	0.42	0.85	1.17	
O1-6-C13 2ND RING CARBON	0.59	0.30	0.76	1.15	1.14	0.88	
MAXIMUM	0.59	0.87	1.05	1.15	1.14	1.17	
MINIMUM	0.31	-0.27	0.15	0.28	0.06	0.21	
RANGE(MAX-MIN)	0.280	1.140	0.900	0.870	1.080	0.960	
MEAN	0.453	0.323	0.400	0.538	0.613	0.620	
STANDARD DEVIATION	0.120	0.468	0.630	0.413	0.478	0.482	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Yan, Thomas

YI Values

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

PartID	R1DEME	R2DEME	R3DEME	R4DEME	R5DEME	R6DEME	
J1-6-C13 2ND RING CARBON	-0.52	-0.67	-1.21	-1.73	-1.27	-1.11	
K1-6-C13 2ND RING CARBON	-1.60	-1.47	-0.55	-1.19	-1.84	-1.76	
L1-6-C13 2ND RING CARBON							
M1-6-C13 2ND RING CARBON							
N1-6-C13 2ND RING CARBON	-0.15	-0.89	-1.41	-0.51	-0.28	-0.55	
O1-6-C13 2ND RING CARBON	-0.69	-1.20	-0.04	0.05	-0.69	-0.83	
MAXIMUM	-1.60	-1.47	-1.41	-1.73	-1.84	-1.76	
MINIMUM	-0.15	-0.67	-0.04	0.05	-0.28	-0.55	
RANGE(MAX-MIN)	-1.450	-0.800	-1.370	-1.780	-1.560	-1.210	
MEAN	-0.740	-1.058	-0.803	-0.845	-1.020	-1.063	
STANDARD DEVIATION	0.616	0.351	0.627	0.778	0.681	0.518	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Aguirre, Nancy P

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.24	
ISMRC-ISM ROCKER COVER	0.39	
VOP-OIL PAN SLUDGE	0.70	
VOPB-OIL PAN BFL SLUDGE	1.28	
VRCBL-RC BFL SLUDGE L	1.30	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	1.37	
VRCL-RC SLUDGE R	1.40	
VTCC-TC CVR SLUDGE	0.48	
VVDL-VALVE DECK SLUDGE L	0.82	
VVDR-VALVE DECK SLUDGE R	0.91	
MAXIMUM	1.40	
MINIMUM	-0.24	
RANGE(MAX-MIN)	1.640	
MEAN	0.874	
STANDARD DEVIATION	0.514	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Aguirre, Nancy P (rerate)

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Anderson, Dan

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Arrizon, Richard

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Barrera, Tony

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.21	
ISMRC-ISM ROCKER COVER	-1.66	
VOP-OIL PAN SLUDGE	1.08	
VOPB-OIL PAN BFL SLUDGE	0.64	
VRCBL-RC BFL SLUDGE L	-0.60	
VRCBR-RC BFL SLUDGE R	-0.60	
VRCL-RC SLUDGE L	0.29	
VRCR-RC SLUDGE R	0.71	
VTCC-TC CVR SLUDGE	0.38	
VVDL-VALVE DECK SLUDGE L	0.16	
VVDR-VALVE DECK SLUDGE R	0.56	
MAXIMUM	-1.66	
MINIMUM	0.16	
RANGE(MAX-MIN)	-1.820	
MEAN	-0.023	
STANDARD DEVIATION	0.871	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Bian, Zheng

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Bolaney, Jonathan

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.83	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	0.32	
VOPB-OIL PAN BFL SLUDGE	-0.36	
VRCBL-RC BFL SLUDGE L	0.20	
VRCBR-RC BFL SLUDGE R	0.30	
VRCL-RC SLUDGE L	0.06	
VRCL-RC SLUDGE R	-0.74	
VTCC-TC CVR SLUDGE	1.28	
VVDL-VALVE DECK SLUDGE L	0.64	
VVDR-VALVE DECK SLUDGE R	-0.23	
MAXIMUM	1.28	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.300	
MEAN	0.207	
STANDARD DEVIATION	0.568	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Chen, Jiongjing

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.32	
ISMRC-ISM ROCKER COVER	-0.76	
VOP-OIL PAN SLUDGE	0.42	
VOPB-OIL PAN BFL SLUDGE	1.21	
VRCBL-RC BFL SLUDGE L	0.50	
VRCBR-RC BFL SLUDGE R	-1.40	
VRCL-RC SLUDGE L	-0.85	
VRCL-RC SLUDGE R	-0.80	
VTCC-TC CVR SLUDGE	0.28	
VVDL-VALVE DECK SLUDGE L	-0.50	
VVDR-VALVE DECK SLUDGE R	1.26	
MAXIMUM	-1.40	
MINIMUM	0.28	
RANGE(MAX-MIN)	-1.680	
MEAN	0.062	
STANDARD DEVIATION	0.970	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= DeCapite, Vanessa

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.14	
ISMRC-ISM ROCKER COVER	-0.76	
VOP-OIL PAN SLUDGE	0.32	
VOPB-OIL PAN BFL SLUDGE	0.35	
VRCBL-RC BFL SLUDGE L	-1.30	
VRCBR-RC BFL SLUDGE R	-0.90	
VRCL-RC SLUDGE L	-1.41	
VRCL-RC SLUDGE R	-0.74	
VTCC-TC CVR SLUDGE	-0.62	
VVDL-VALVE DECK SLUDGE L	-0.12	
VVDR-VALVE DECK SLUDGE R	-1.28	
MAXIMUM	-1.41	
MINIMUM	-0.12	
RANGE(MAX-MIN)	-1.290	
MEAN	-0.600	
STANDARD DEVIATION	0.627	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Demel, Samuel

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.11	
ISMRC-ISM ROCKER COVER	-1.33	
VOP-OIL PAN SLUDGE	0.04	
VOPB-OIL PAN BFL SLUDGE	-0.57	
VRCBL-RC BFL SLUDGE L	-0.50	
VRCBR-RC BFL SLUDGE R	-1.00	
VRCL-RC SLUDGE L	0.79	
VRCR-RC SLUDGE R	0.92	
VTCC-TC CVR SLUDGE	-0.42	
VVDL-VALVE DECK SLUDGE L	-0.41	
VVDR-VALVE DECK SLUDGE R	-1.02	
MAXIMUM	-1.33	
MINIMUM	0.04	
RANGE(MAX-MIN)	-1.370	
MEAN	-0.419	
STANDARD DEVIATION	0.742	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Dominguez, Lucio

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.41	
ISMRC-ISM ROCKER COVER	0.47	
VOP-OIL PAN SLUDGE	-0.44	
VOPB-OIL PAN BFL SLUDGE	-0.07	
VRCBL-RC BFL SLUDGE L	0.70	
VRCBR-RC BFL SLUDGE R	1.30	
VRCL-RC SLUDGE L	0.50	
VRCL-RC SLUDGE R	-0.50	
VTCC-TC CVR SLUDGE	-0.22	
VVDL-VALVE DECK SLUDGE L	-0.69	
VVDR-VALVE DECK SLUDGE R	-1.19	
MAXIMUM	1.41	
MINIMUM	-0.07	
RANGE(MAX-MIN)	1.480	
MEAN	0.115	
STANDARD DEVIATION	0.830	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Foecking, Brian

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.80	
ISMRC-ISM ROCKER COVER	2.18	
VOP-OIL PAN SLUDGE	0.84	
VOPB-OIL PAN BFL SLUDGE	0.14	
VRCBL-RC BFL SLUDGE L	1.10	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	0.29	
VRCL-RC SLUDGE R	-0.11	
VTCC-TC CVR SLUDGE	-0.12	
VVDL-VALVE DECK SLUDGE L	0.73	
VVDR-VALVE DECK SLUDGE R	0.82	
MAXIMUM	2.18	
MINIMUM	-0.11	
RANGE(MAX-MIN)	2.290	
MEAN	0.806	
STANDARD DEVIATION	0.744	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Garcia, Matthew

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Groenewoud, Marc

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Hayden, Matthew

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.12	
ISMRC-ISM ROCKER COVER	0.96	
VOP-OIL PAN SLUDGE	0.61	
VOPB-OIL PAN BFL SLUDGE	1.14	
VRCBL-RC BFL SLUDGE L	0.40	
VRCBR-RC BFL SLUDGE R	0.10	
VRCL-RC SLUDGE L	0.20	
VRCL-RC SLUDGE R	1.01	
VTCC-TC CVR SLUDGE	-0.02	
VVDL-VALVE DECK SLUDGE L	-1.16	
VVDR-VALVE DECK SLUDGE R	-0.23	
MAXIMUM	-1.16	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-1.140	
MEAN	0.375	
STANDARD DEVIATION	0.702	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Hidayat, Mohammad Rachman

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.53	
ISMRC-ISM ROCKER COVER	-0.35	
VOP-OIL PAN SLUDGE	0.28	
VOPB-OIL PAN BFL SLUDGE	0.35	
VRCBL-RC BFL SLUDGE L	-1.00	
VRCBR-RC BFL SLUDGE R	-1.10	
VRCL-RC SLUDGE L	0.29	
VRCL-RC SLUDGE R	0.95	
VTCC-TC CVR SLUDGE	0.58	
VVDL-VALVE DECK SLUDGE L	-0.69	
VVDR-VALVE DECK SLUDGE R	-0.49	
MAXIMUM	-1.10	
MINIMUM	0.28	
RANGE(MAX-MIN)	-1.380	
MEAN	-0.155	
STANDARD DEVIATION	0.677	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Kobrinetz, Joaquin J.

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.21	
ISMRC-ISM ROCKER COVER	-1.33	
VOP-OIL PAN SLUDGE	0.09	
VOPB-OIL PAN BFL SLUDGE	-0.93	
VRCBL-RC BFL SLUDGE L	0.40	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	-0.03	
VRCR-RC SLUDGE R	0.08	
VTCC-TC CVR SLUDGE	0.08	
VVDL-VALVE DECK SLUDGE L	-0.69	
VVDR-VALVE DECK SLUDGE R	-0.84	
MAXIMUM	-1.33	
MINIMUM	-0.03	
RANGE(MAX-MIN)	-1.300	
MEAN	-0.289	
STANDARD DEVIATION	0.773	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Kunk, Daniel

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.34	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	0.84	
VOPB-OIL PAN BFL SLUDGE	0.93	
VRCBL-RC BFL SLUDGE L	0.90	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	0.88	
VRCL-RC SLUDGE R	0.02	
VTCC-TC CVR SLUDGE	0.38	
VVDL-VALVE DECK SLUDGE L	0.35	
VVDR-VALVE DECK SLUDGE R	0.56	
MAXIMUM	1.20	
MINIMUM	-0.02	
RANGE(MAX-MIN)	1.220	
MEAN	0.580	
STANDARD DEVIATION	0.399	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Langford, Mike

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.11	
ISMRC-ISM ROCKER COVER	-1.17	
VOP-OIL PAN SLUDGE	1.18	
VOPB-OIL PAN BFL SLUDGE	-0.57	
VRCBL-RC BFL SLUDGE L	-0.60	
VRCBR-RC BFL SLUDGE R	-1.10	
VRCL-RC SLUDGE L	0.93	
VRCL-RC SLUDGE R	1.07	
VTCC-TC CVR SLUDGE	-0.32	
VVDL-VALVE DECK SLUDGE L	-0.41	
VVDR-VALVE DECK SLUDGE R	-1.02	
MAXIMUM	1.18	
MINIMUM	-0.32	
RANGE(MAX-MIN)	1.500	
MEAN	-0.284	
STANDARD DEVIATION	0.912	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Lopez, Frank

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.12	
ISMRC-ISM ROCKER COVER	0.14	
VOP-OIL PAN SLUDGE	0.46	
VOPB-OIL PAN BFL SLUDGE	0.64	
VRCBL-RC BFL SLUDGE L	1.30	
VRCBR-RC BFL SLUDGE R	1.30	
VRCL-RC SLUDGE L	-0.53	
VRCL-RC SLUDGE R	-0.71	
VTCC-TC CVR SLUDGE	0.68	
VVDL-VALVE DECK SLUDGE L	0.54	
VVDR-VALVE DECK SLUDGE R	0.64	
MAXIMUM	1.30	
MINIMUM	0.14	
RANGE(MAX-MIN)	1.160	
MEAN	0.507	
STANDARD DEVIATION	0.663	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Mulder, Jeroen

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Price, Gregory

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.63	
ISMRC-ISM ROCKER COVER	-0.51	
VOP-OIL PAN SLUDGE	-2.00	
VOPB-OIL PAN BFL SLUDGE	-2.93	
VRCBL-RC BFL SLUDGE L	-1.50	
VRCBR-RC BFL SLUDGE R	-1.00	
VRCL-RC SLUDGE L	-0.56	
VRCL-RC SLUDGE R	-0.62	
VTCC-TC CVR SLUDGE	-1.52	
VVDL-VALVE DECK SLUDGE L	-2.87	
VVDR-VALVE DECK SLUDGE R	-1.89	
MAXIMUM	-2.93	
MINIMUM	-0.51	
RANGE(MAX-MIN)	-2.420	
MEAN	-1.457	
STANDARD DEVIATION	0.892	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Ragsdale, Kirt

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	1.90	
ISMRC-ISM ROCKER COVER	1.37	
VOP-OIL PAN SLUDGE	-0.06	
VOPB-OIL PAN BFL SLUDGE	-1.00	
VRCBL-RC BFL SLUDGE L	-1.00	
VRCBR-RC BFL SLUDGE R	-1.20	
VRCL-RC SLUDGE L	1.14	
VRCR-RC SLUDGE R	1.56	
VTCC-TC CVR SLUDGE	-1.52	
VVDL-VALVE DECK SLUDGE L	-0.03	
VVDR-VALVE DECK SLUDGE R	0.82	
MAXIMUM	1.90	
MINIMUM	-0.03	
RANGE(MAX-MIN)	1.930	
MEAN	0.180	
STANDARD DEVIATION	1.237	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Reese, Kyle

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Rodriguez, Edward

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.14	
ISMRC-ISM ROCKER COVER	0.96	
VOP-OIL PAN SLUDGE	0.09	
VOPB-OIL PAN BFL SLUDGE	-0.57	
VRCBL-RC BFL SLUDGE L	-0.50	
VRCBR-RC BFL SLUDGE R	-0.90	
VRCL-RC SLUDGE L	-0.53	
VRCL-RC SLUDGE R	-0.20	
VTCC-TC CVR SLUDGE	0.18	
VVDL-VALVE DECK SLUDGE L	0.26	
VVDR-VALVE DECK SLUDGE R	-0.05	
MAXIMUM	0.96	
MINIMUM	-0.05	
RANGE(MAX-MIN)	1.010	
MEAN	-0.127	
STANDARD DEVIATION	0.508	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Rodriguez, Jesus (Jesse)

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.43	
ISMRC-ISM ROCKER COVER	1.04	
VOP-OIL PAN SLUDGE	0.09	
VOPB-OIL PAN BFL SLUDGE	-0.50	
VRCBL-RC BFL SLUDGE L	-0.90	
VRCBR-RC BFL SLUDGE R	-0.10	
VRCL-RC SLUDGE L	-0.73	
VRCL-RC SLUDGE R	-1.40	
VTCC-TC CVR SLUDGE	-0.62	
VVDL-VALVE DECK SLUDGE L	1.30	
VVDR-VALVE DECK SLUDGE R	0.99	
MAXIMUM	-1.40	
MINIMUM	0.09	
RANGE(MAX-MIN)	-1.490	
MEAN	-0.115	
STANDARD DEVIATION	0.880	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Arthur

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.53	
ISMRC-ISM ROCKER COVER	-0.76	
VOP-OIL PAN SLUDGE	-2.57	
VOPB-OIL PAN BFL SLUDGE	-1.57	
VRCBL-RC BFL SLUDGE L	0.40	
VRCBR-RC BFL SLUDGE R	0.40	
VRCL-RC SLUDGE L	-0.32	
VRCL-RC SLUDGE R	-0.59	
VTCC-TC CVR SLUDGE	1.18	
VVDL-VALVE DECK SLUDGE L	1.20	
VVDR-VALVE DECK SLUDGE R	-0.67	
MAXIMUM	-2.57	
MINIMUM	-0.32	
RANGE(MAX-MIN)	-2.250	
MEAN	-0.348	
STANDARD DEVIATION	1.125	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Arthur (rerate)

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Sanchez, Christopher

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.02	
ISMRC-ISM ROCKER COVER	-0.02	
VOP-OIL PAN SLUDGE	-0.44	
VOPB-OIL PAN BFL SLUDGE	-0.15	
VRCBL-RC BFL SLUDGE L	-0.10	
VRCBR-RC BFL SLUDGE R	0.30	
VRCL-RC SLUDGE L	0.93	
VRCL-RC SLUDGE R	-0.14	
VTCC-TC CVR SLUDGE	-0.82	
VVDL-VALVE DECK SLUDGE L	0.26	
VVDR-VALVE DECK SLUDGE R	0.03	
MAXIMUM	-1.02	
MINIMUM	-0.02	
RANGE(MAX-MIN)	-1.000	
MEAN	-0.106	
STANDARD DEVIATION	0.535	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Schakel, J.J.

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Seeck, Christian

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Terrado, Ken

YI Values

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

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

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Trevino, Robert

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-1.02	
ISMRC-ISM ROCKER COVER	-0.19	
VOP-OIL PAN SLUDGE	-0.82	
VOPB-OIL PAN BFL SLUDGE	0.07	
VRCBL-RC BFL SLUDGE L	-0.10	
VRCBR-RC BFL SLUDGE R	0.30	
VRCL-RC SLUDGE L	0.93	
VRCL-RC SLUDGE R	0.26	
VTCC-TC CVR SLUDGE	-0.52	
VVDL-VALVE DECK SLUDGE L	0.07	
VVDR-VALVE DECK SLUDGE R	0.03	
MAXIMUM	-1.02	
MINIMUM	0.03	
RANGE(MAX-MIN)	-1.050	
MEAN	-0.090	
STANDARD DEVIATION	0.545	



# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Veiga, Victor

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.05	
ISMRC-ISM ROCKER COVER	1.12	
VOP-OIL PAN SLUDGE	-2.24	
VOPB-OIL PAN BFL SLUDGE	0.85	
VRCBL-RC BFL SLUDGE L	0.30	
VRCBR-RC BFL SLUDGE R	1.20	
VRCL-RC SLUDGE L	-3.13	
VRCL-RC SLUDGE R	-2.22	
VTCC-TC CVR SLUDGE	0.68	
VVDL-VALVE DECK SLUDGE L	2.34	
VVDR-VALVE DECK SLUDGE R	2.57	
MAXIMUM	-3.13	
MINIMUM	0.05	
RANGE(MAX-MIN)	-3.180	
MEAN	0.138	
STANDARD DEVIATION	1.886	

## HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Xu, Raphael

Yi Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	0.05	
ISMRC-ISM ROCKER COVER	1.12	
VOP-OIL PAN SLUDGE	0.56	
VOPB-OIL PAN BFL SLUDGE	1.14	
VRCBL-RC BFL SLUDGE L	0.60	
VRCBR-RC BFL SLUDGE R	0.10	
VRCL-RC SLUDGE L	-1.00	
VRCL-RC SLUDGE R	-0.95	
VTCC-TC CVR SLUDGE	0.48	
VVDL-VALVE DECK SLUDGE L	-0.60	
VVDR-VALVE DECK SLUDGE R	0.30	
MAXIMUM	1.14	
MINIMUM	0.05	
RANGE(MAX-MIN)	1.090	
MEAN	0.164	
STANDARD DEVIATION	0.744	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

Rater= Yan, Thomas

YI Values

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

PartID	TOTALS	
ISMOP-ISM OIL PAN	-0.63	
ISMRC-ISM ROCKER COVER	-0.84	
VOP-OIL PAN SLUDGE	0.65	
VOPB-OIL PAN BFL SLUDGE	0.50	
VRCBL-RC BFL SLUDGE L	0.10	
VRCBR-RC BFL SLUDGE R	-0.90	
VRCL-RC SLUDGE L	0.50	
VRCL-RC SLUDGE R	1.74	
VTCC-TC CVR SLUDGE	0.18	
VVDL-VALVE DECK SLUDGE L	-0.50	
VVDR-VALVE DECK SLUDGE R	-0.58	
MAXIMUM	1.74	
MINIMUM	0.10	
RANGE(MAX-MIN)	1.640	
MEAN	0.020	
STANDARD DEVIATION	0.805	

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

## 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	58.8%	97.8%	100.0%	0.0%	0.91	YELLOW	
DeCapite, Vanessa	14	73.5%	96.3%	100.0%	0.0%	0.91	WHITE	
Dominguez, Lucio	12	77.2%	96.5%	100.0%	0.0%	0.87	WHITE	
Price, Gregory	12	71.1%	100.0%	100.0%	0.0%	0.89	WHITE	
Rodriguez, Edward	11	74.0%	96.2%	100.0%	0.0%	0.92	WHITE	
Sanchez, Arthur	7	63.0%	91.8%	95.9%	4.1%	1.65	YELLOW	
Sanchez, Christopher	12	82.5%	98.4%	100.0%	0.0%	0.75	RED	
Aguirre, Nancy P (rerate)	16	64.1%	99.4%	100.0%	0.0%	0.88	WHITE	
Anderson, Dan	6	64.5%	96.8%	100.0%	0.0%	1.04	WHITE	
Arrizon, Richard	6	81.1%	100.0%	100.0%	0.0%	0.80	RED	
Bian, Zheng	6	61.9%	100.0%	100.0%	0.0%	0.92	WHITE	
Bolaney, Jonathan	9	65.4%	95.1%	97.5%	2.5%	1.02	WHITE	
Chen, Jiongjing	6	90.5%	100.0%	100.0%	0.0%	0.56	BLUE	
Demel, Samuel	6	68.3%	93.7%	95.2%	4.8%	1.70	YELLOW	
Garcia, Matthew	6	71.4%	100.0%	100.0%	0.0%	0.88	WHITE	
Hayden, Matthew	7	69.4%	91.9%	95.2%	4.8%	1.07	WHITE	
Hidayat, Mohammad Rachmar	6	74.6%	100.0%	100.0%	0.0%	0.89	WHITE	
Kunk, Daniel	8	77.0%	96.0%	98.7%	1.4%	0.83	WHITE	
Langford, Mike	6	73.0%	88.9%	92.1%	7.9%	1.25	YELLOW	
Mulder, Jeroen	6	69.4%	96.8%	100.0%	0.0%	1.01	WHITE	
Ragsdale, Kirt	6	68.3%	98.4%	100.0%	0.0%	0.94	WHITE	
Reese, Kyle	6	58.7%	90.5%	95.2%	4.8%	1.11	YELLOW	
Sanchez, Arthur (rerate)	9	67.7%	92.5%	96.8%	3.2%	1.18	WHITE	
Schakel, J.J.	19	34.5%	60.3%	70.6%	29.4%	5.48	YELLOW	
Seeck, Christian	18	47.6%	76.7%	88.9%	11.1%	2.33	YELLOW	
Terrado, Ken	6	73.0%	98.4%	100.0%	0.0%	0.80	WHITE	
Veiga, Victor	8	74.2%	97.0%	100.0%	0.0%	0.91	WHITE	
Xu, Raphael	6	77.8%	100.0%	100.0%	0.0%	0.82	WHITE	
Yan, Thomas	6	77.8%	100.0%	100.0%	0.0%	0.82	WHITE	
Barrera, Tony	14	71.3%	97.1%	97.8%	2.2%	0.86	WHITE	
Foecking, Brian	14	69.9%	100.0%	100.0%	0.0%	0.89	WHITE	
Kobrinetz, Joaquin J.	15	78.7%	98.6%	100.0%	0.0%	0.79	WHITE	
Lopez, Frank	12	75.4%	96.8%	100.0%	0.0%	0.87	WHITE	
Rodriguez, Jesus (Jesse)	12	60.3%	96.0%	100.0%	0.0%	1.05	WHITE	
Trevino, Robert	12	81.0%	100.0%	100.0%	0.0%	0.74	RED	

### Group Criteria

	Minimum Number of Parts Rated	Minimum Yi's Within 1 STD of mean	Minimum Yi's Within 2 STD of mean	Maximum Overall Yi STD	Group Totals	
White	6	60%	90%	1.20	24	69%
Red	6	80%	95%	0.85	3	9%
Blue	6	85%	98%	0.75	1	3%
Yellow	-	-	-	-	7	20%

HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

C13 Ring Carbon

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
DeCapite, Vanessa	24	62.5%	100.0%	100.0%	0.0%	0.49	WHITE	
Dominguez, Lucio	24	41.7%	91.7%	100.0%	0.0%	0.59	YELLOW	
Price, Gregory	36	52.8%	100.0%	100.0%	0.0%	0.52	YELLOW	
Sanchez, Arthur	12	75.0%	91.7%	100.0%	0.0%	0.81	WHITE	
Sanchez, Christopher	12	100.0%	100.0%	100.0%	0.0%	0.43	BLUE	
Bolaney, Jonathan	36	41.7%	91.7%	100.0%	0.0%	0.61	YELLOW	
Demel, Samuel	6	50.0%	83.3%	100.0%	0.0%	0.48	YELLOW	
Hayden, Matthew	24	87.5%	100.0%	100.0%	0.0%	0.67	BLUE	
Hidayat, Mohammad Rachmar	24	83.3%	100.0%	100.0%	0.0%	0.57	RED	
Ragsdale, Kirt	18	38.9%	94.4%	100.0%	0.0%	0.46	YELLOW	
Seeck, Christian	36	72.2%	100.0%	100.0%	0.0%	0.65	WHITE	
Xu, Raphael	24	83.3%	100.0%	100.0%	0.0%	0.42	RED	
Yan, Thomas	24	54.2%	100.0%	100.0%	0.0%	0.56	YELLOW	
Barrera, Tony	24	79.2%	100.0%	100.0%	0.0%	0.68	WHITE	
Foecking, Brian	24	58.3%	95.8%	100.0%	0.0%	0.57	YELLOW	
Kobrinetz, Joaquin J.	36	58.3%	100.0%	100.0%	0.0%	0.39	YELLOW	
Trevino, Robert	12	100.0%	100.0%	100.0%	0.0%	0.43	BLUE	

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	4	24%
Red	6	80%	95%	0.85	2	12%
Blue	6	85%	98%	0.75	3	18%
Yellow	-	-	-	-	8	47%

# HEAVY DUTY RATING WORKSHOP (Sept.30-Oct.4 2019)

## Sludge Deposits

Rater	Parts Rated	-1<yi<=1	-2<yi<=2	-3<yi<=3	>3	Yi STD	Group	Group Color
Aguirre, Nancy P	11	54.6%	100.0%	100.0%	0.0%	0.52	YELLOW	
DeCapite, Vanessa	11	72.7%	100.0%	100.0%	0.0%	0.63	WHITE	
Dominguez, Lucio	11	72.7%	100.0%	100.0%	0.0%	0.83	WHITE	
Price, Gregory	11	45.5%	72.7%	100.0%	0.0%	0.89	YELLOW	
Rodriguez, Edward	11	100.0%	100.0%	100.0%	0.0%	0.51	BLUE	
Sanchez, Arthur	11	63.6%	90.9%	100.0%	0.0%	1.13	WHITE	
Sanchez, Christopher	11	90.9%	100.0%	100.0%	0.0%	0.54	BLUE	
Bolaney, Jonathan	11	90.9%	100.0%	100.0%	0.0%	0.57	BLUE	
Chen, Jiongjing	11	63.6%	100.0%	100.0%	0.0%	0.97	WHITE	
Demel, Samuel	11	72.7%	100.0%	100.0%	0.0%	0.74	WHITE	
Hayden, Matthew	11	63.6%	100.0%	100.0%	0.0%	0.70	WHITE	
Hidayat, Mohammad Rachman	10	80.0%	100.0%	100.0%	0.0%	0.70	RED	
Kunk, Daniel	11	90.9%	100.0%	100.0%	0.0%	0.40	BLUE	
Langford, Mike	11	45.5%	100.0%	100.0%	0.0%	0.91	YELLOW	
Ragsdale, Kirt	11	27.3%	100.0%	100.0%	0.0%	1.24	YELLOW	
Veiga, Victor	11	36.4%	54.6%	90.9%	9.1%	1.89	YELLOW	
Xu, Raphael	11	81.8%	100.0%	100.0%	0.0%	0.74	RED	
Yan, Thomas	11	90.9%	100.0%	100.0%	0.0%	0.80	RED	
Barrera, Tony	11	72.7%	100.0%	100.0%	0.0%	0.87	WHITE	
Foecking, Brian	11	63.6%	90.9%	100.0%	0.0%	0.75	WHITE	
Kobrinetz, Joaquin J.	11	72.7%	100.0%	100.0%	0.0%	0.77	WHITE	
Lopez, Frank	11	72.7%	100.0%	100.0%	0.0%	0.66	WHITE	
Rodriguez, Jesus (Jesse)	11	72.7%	100.0%	100.0%	0.0%	0.88	WHITE	
Trevino, Robert	11	90.9%	100.0%	100.0%	0.0%	0.55	BLUE	

### 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	11	46%
Red	6	80%	95%	0.85	3	12%
Blue	6	85%	98%	0.75	5	21%
Yellow	-	-	-	-	5	21%