



Test Monitoring Center

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MEMORANDUM: 02-131
DATE: December 19, 2002
TO: Fall 2002 Heavy Duty Diesel Rating Workshop Attendees
FROM: Scott Parke
SUBJECT: Workshop Data

Compilation of the data produced during the October 2002 Heavy Duty Diesel Rating Workshop is now completed. It is available on the TMC's website at the following URL:

ftp://ftp.astmtmc.cmu.edu/refdata/diesel/rating_workshop_data/2002_fall/2002_october_all_data.pdf

The first page of this document shows a cross index of which parts were rated by which raters; the pages that follow contain all of the data. Each page shows the data both as rated demerit values and as standardized values (Yi values).

The ASTM Rater Calibration Task Force has defined "Calibrated Raters" as those who have 1) attended an ASTM or CRC industry workshop and 2) rated parts for the test type where calibration is sought and 3) had the data they produced included with the data from the workshop. A list of raters meeting these criteria is available at:

ftp://ftp.astmtmc.cmu.edu/refdata/diesel/rating_workshop_data/2002_fall/Calibrated_Heavy_Duty_Diesel_Raters.pdf

Workshop secretary Marianne May recorded minutes over the course of the workshop. They are attached at the end of this memorandum. This memo itself can be found at:

ftp://ftp.astmtmc.cmu.edu/refdata/diesel/rating_workshop_data/2002_fall/readme.pdf

Any questions pertaining to the workshop or the data posted may be directed to me at 412-365-1036.

attachment

SDP/sdp/m02-131.sdp.doc

c: F. M. Farber

ftp://ftp.astmtmc.cmu.edu/refdata/diesel/rating_workshop_data/2002_fall/readme.pdf

Distribution: email

**MINUTES of the ASTM HEAVY DUTY RATING WORKSHOP
HELD IN SAN ANTONIO, TEXAS at the EMBASSY SUITES HOTEL**

October 20 – 24, 2002

**Acting Chairman: Tony Barrera / Scott Parke
Acting Secretary: Marianne May**

Sunday, October 20, thru Thursday October 24, 2002 - Sunday we starting setting up the workshop @ 8:30am with the equipment needed, see a list of those who helped with the setup at the end of these minutes. There were four rows of rating booths, two training booths, four calibration booths and two tables set up for sludge ratings. Also set up were six extra booths for liner ratings and ring distress ratings. All rating booths were equipped with lights, piston stands and rating aides. In each of the four rows of rating booths there were two Square Cut Ring Groove pistons, two Keystone Ring Groove pistons and two Articulated (two-piece) pistons. After completing the workshops' setup, there were four pistons selected and setup in the calibration booths. With those four pistons, there were pre-selected areas on each one that was rated. Scott Parke then reviewed the data and found it to be in the acceptable range. The rest of the day and Monday were spent rating and calculating pistons.

Monday afternoon a short meeting was held to discuss Tuesday's presentations.

Tuesday: Tony Barrera opened the meeting @ 8:30 am and welcomed everyone to the workshop and San Antonio, Tx. He went on and explained the calibration booths and all those who will be participating at this workshop will be required to rate the pre-selected areas on each piston first before any rating in the rows commences. After each participant reviews his/her results from the calibration exercise it is then the responsibility of that individual to administer their own severity adjustment and then start rating their assigned row of pistons. Note: the calibration data will be included with the rest of the workshop data. The following presentations were then given:

- Marianne May & Ralph Viera gave rating explanations on all the pistons present at this workshop, (square ring groove, keystone & articulated). Also, an explanation of the rating forms being used and how to calculate them.

Before rating started everyone was given a rust/varnish rating scale and assigned a row of pistons to rate, and if they finish that row before the end of the workshop, they were instructed to continue on to the next row etc. Also, Tony informed everyone that we had two M11 rocker covers and oil pans ready for sludge rating for anyone wishing to rate them, and for anyone requiring instructions there were four training booths available for instruction purposes only. The workshop continued with everyone breaking up to the calibration rating area. Those participants requiring instructions were directed to the instruction booths.

The rest of the workshop was spent rating, calculating and instructing participants. Tony

informed the group that Thursday afternoon at approximately 2:00 PM we would start tearing down the workshop and that all data be turned in for computer input. After completing the workshop tear down, all data generated was distributed and reviewed for any errors.

Note: This rating data packet includes the ring distress, liner scuffing, sludge ratings as well as all piston ratings. Please remember when reviewing this data, it represents the results developed by all the participants at this workshop and that includes the novice, field and standardized engine test raters.

The following is a list of individuals and the companies they represented whom assisted in the setting up of this workshop:

- Marianne May PerkinElmer Automotive Research
- Tony Barrera PerkinElmer Automotive Research
- Ralph Viera Southwest Research
- Tom Garrett The Lubrizol Cooperation
- Frank Lopez Southwest Research
- Pat Garcia Southwest Research
- Jack Kobrinetz Ethyl
- Garland Tschirhart Southwest Research
- Arthur Sanchez Southwest Research
- Steve Holland Shell UK
- George Castillo Southwest Research
- Leon Clapperty Ethyl
- Jessie Rodriguez Southwest Research

Marianne May
Acting Secretary
ASTM Heavy Duty Rating Workshop