

**HEAVY-DUTY ENGINE OIL CLASSIFICATION PANEL
OF
ASTM D02.B0.02
December 4, 2001
Fontainebleau Hilton Hotel, Miami Beach, FL**

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ACTION ITEMS

1. Report passing CI-4 ballot to sub-committee B.

Jim McGeehan

MINUTES

1.0 Call to Order

1.1 Chairman Jim McGeehan called the meeting to order at 9:15 a.m. on December 4, 2001, in the Fontainebleau Ballroom B of the Fontainebleau Hilton Hotel in Miami Beach, Florida. There were 12 members present or represented and approximately 60 guests present. The attendance list is shown as Attachment 2.

2.0 Agenda

2.1 The published agenda (Attachment 1) was reviewed, with no suggested changes.

3.0 Previous Meeting Minutes

3.1 The minutes of the October 16, 2001 meeting were approved, as posted on the ASTM Test Monitoring Center web site.

4.0 Membership

4.1 There were no changes in membership. Several guests registered changes in addresses and affiliations.

5.0 "B" Ballot on CI-4

- 5.1 Chairman McGeehan reported the results of the recent "B" ballot on CI-4 (Attachment 3). The ballot was successful, but there are two negatives and several comments to be addressed.
- 5.2 Lyle Bowman discussed the reasons for his negative ballot return (see Attachment 4). He took issue with use of the term "anchor" in relation to the Mack T-10 merit system. Lyle moved to replace the term "anchor" in all instances connected to the Mack T-10 merit system, with the term "target". Amy Huang seconded the motion, which passed via voice vote with none against and no abstentions.
- 5.3 Jim McGeehan reviewed the known needed editorial corrections, which were discovered and communicated to the D02.B0 membership prior to closure of the ballot (Attachment 5). Pat Fetterman moved that these corrections be adopted and Lew Williams seconded the motion, which passed via voice vote with none against and no abstentions.
- 5.4 Tom Cousineau reviewed the Ethyl negative ballot reasons and comments (Attachment 6). Tom moved and Dwayne Tharp seconded that the decimal points in the WDR and WDN limits be removed and the limits be set at the appropriately rounded whole number. The motion passed after some discussion, via voice vote, with none against and one abstention.
- 5.5 The panel agreed that the phrase "normalized to 1.75% soot" appended to "Average Liner Wear" in the T-10 table A10.2 was in error and should be removed.
- 5.6 Tom Cousineau moved that Oil Consumption should be removed as a Sequence III-F pass / fail limit for CI-4, because it is a validity requirement for the test now. Pat Fetterman seconded the motion, which passed via voice vote, with none against and no abstentions.
- 5.7 After some discussion, Ethyl and Infineum withdrew their requests to have the "minimums" also listed in the Mack T-10 merit table (A10.2) and John Zalar answered Ethyl's concern about the seemingly inconsistent use of decimal places in table A10.1. Several of Ethyl's editorial observations apply to previous, established categories and as such, were not dealt with at this time. The other editorial observations will be incorporated where possible and appropriate.
- 5.8 Rich Lee moved that for the 1R, the three test limit for TLC should be 36 and for the M-11 EGR, the two test and three test limits for OFDP should be 320 and 341. Steve Kennedy seconded the motion, which passed via voice vote with none against and no abstentions.

- 5.9 After some discussion, the panel agreed that the Mack T-10 merit table (A10.2) should stay in D-4485.
 - 5.10 Lew Williams had comments about pass / fail parameter terminology. For the M-11 EGR, "Top Ring Weight Loss" should be identified as "Average Top Ring Weight Loss" and for the 1R, "Scuffing, piston-ring-liner" should be changed to "Piston-Ring-Liner Distress", to more accurately reflect what is being evaluated. The panel agreed with these suggestions.
 - 5.11 Steve Kennedy moved to remove the 1N from the CI-4 table of pass / fail limits and keep it as a footnote alternative to the 1K. Bill Kleiser seconded this motion, which passed with 11 for, 0 against and 1 abstain.
- 6.0 Mack T-10
- 6.1 Wim VanDam reported for the T-10 Task Force (now part of the Mack Surveillance Panel). See Attachment 7. Wim moved and Dave Stehouwer seconded that all CI-4 MRV samples generated after 2001 be evaluated using agitation and the modified D-4684 MRV method (external pre-heat). After considerable discussion regarding the effect of this proposed change on the CI-4 ballot and an affirmation from Chris May that the two versions of D-4684 did not produce statistically different results on the wide range of oils they evaluated, this motion somehow disappeared. In its place, a motion by Lyle Bowman appeared, seconded by Pat Fetterman. Lyle moved that an information letter be issued by the TMC to indicate the desires of the T-10 Task Force to use only one method for evaluating CI-4 MRV results, namely, the modified D-4684 (external pre-heat) with agitation. This motion was voted on and passed via voice vote, with none against and no abstentions.
 - 6.2 The modified MRV method Research Report is in progress.
- 7.0 Break
- 7.1 At this point, a more or less 10 minute break occurred.
- 8.0 Cummins M-11 EGR
- 8.1 Dave Stehouwer reported that the M-11 EGR Research Report has been compiled and approved by the Task Force. It is posted on the TMC web site.
- 9.0 CAT 1R
- 9.1 The 1R Research Report is in progress.

10.0 "B" Report

10.1 Jim McGeehan announced that he will report to sub-committee B that all negatives have been resolved or withdrawn and all other changes to the CI-4 ballot are editorial. He thanked the panel and all the Task Forces for their hard work (Attachment 8).

11.0 "B" Ballot to use Seq. III-F for Seq. III-E

11.1 There was a negative from Infineum on a D-4485 revision ballot to permit use of the Seq. III-F test for the unavailable Seq. III-E in the CG-4 and CH-4 categories (Attachment 9). The negative objected to use of the phrase "and longer drain intervals" in the description of the Seq. III-F. Pat Fetterman moved and Tom Cousineau seconded that the phrase "and longer drain intervals" be removed from the Seq. III-F description in D-4485. The motion passed via voice vote, with none against and no abstentions.

11.2 Comments on the ballot by Paul Hobson, concerning pass / fail limit percentages, were incorrect and not acted upon.

11.3 Comments by Mike McMillan, regarding the phrase "under development" applied to the Seq. III-F, were not acted upon. According to Lyle Bowman, the test is still "under development" until it becomes a standard and a "D" number is assigned.

12.0 Next Meeting

12.1 Chairman McGeehan put up a slide (Attachment 10) showing the pending emissions regulations timetable and thus the need to start work on PC-10. At this time, the next meeting is planned for June, 2002, in Montreal.

13.0 Adjournment

13.1 The meeting was adjourned at 11:20 a.m.

Submitted by:

Jim Wells
Secretary to the HDEOCP