

MEETING MINUTES

HEAVY-DUTY ENGINE OIL CLASSIFICATION PANEL
OF
D02.B0.02
September 20, 2000
Holiday Inn O'Hare International – Rosemont, Illinois

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ACTION ITEMS

1. **Request volatility and viscosity data on matrix base oils and finished oils. (MDTF Chairman)**
2. **Contact Lyle Bowman regarding how best to incorporate elastomer testing requirement (without limits) into D 4485. (Elastomer TF Chairman)**
3. **Send proposed MOA wording changes to API. (PC-9 Matrix Manager)**

MINUTES

- 1.0 Call to Order
 - 1.1 Chairman Jim McGeehan called the meeting to order at 7:30 AM on September 20, 2000 in the Kitty Hawk room of the Holiday Inn O'Hare International Hotel in Rosemont, Illinois. The meeting agenda is shown as Attachment 1. There were 12 members or representatives and 20 guests present. The attendance list is shown as Attachment 2.
- 2.0 Meeting Minutes
 - 2.1 The minutes of the June 27, 2000 meeting were approved as posted on the TMC website.
- 3.0 Membership
 - 3.1 Bill Kleiser of Chevron Oronite Technology replaced Rich Lee.
- 4.0 NCDT/DEOAP Input
 - 4.1 Steve Kennedy reported on the September 8, 2000 meeting of the NCDT and DEOAP. His report is summarized in Attachment 3.

5.0 Oil Volatility

- 5.1 Cliff Venier reported on the formation of the HDEOCP Volatility Task Force. A summary of his presentation is shown as Attachment 4.

6.0 PC-9 Matrix Design

- 6.1 Don Marn presented a status report (Attachment 5) on the PC-9 matrix designs. The three designs have been finalized and a "featured oil" has been selected for each test type. Each matrix will include 10 runs on its featured oil. Each of the other 8 matrix oils will be run at least twice such that the total runs will be 26 (M11/EGR), 28 (T-10), and 28 (1Q). Don also presented cost estimates and a proposed timeline for starting the matrix testing.
- 6.2 The matrix oils are expected to be available by the end of October. The TMC will analytically verify each matrix oil prior to shipping oil samples to the labs for matrix testing. As of September 14, the Technology Sponsors had begun receiving base oils needed to blend the finished matrix oils. Dan Larkin suggested that, where possible, matrix testing be started as matrix oils become available.
- 6.3 Don Marn will request volatility and viscosity data for the base oils and the finished matrix oils.

7.0 1Q Status

- 7.1 Dave Nycz reported on the status of the 1Q test development (Attachment 6). The report included "proof of concept" precision and discrimination data. Additional work by the 1Q Task Force will include getting one more test run on the E4 discrimination oil and implementation of EGR cooler modifications.
- 7.2 Dave Nycz moved that "proof of concept" had been demonstrated for the 1Q test. Don Marn seconded the motion. The motion passed with 13 for, 0 against, and 0 abstains.

8.0 T-10 Status

- 8.1 Wim Van Dam presented the T-10 Task Force report (Attachment 7). He reported the task force recommendation that the T-10 is ready for matrix testing.
- 8.2 Greg Shank presented T-10 repeat data (Attachment 8).
- 8.3 Greg Shank moved that the HDEOCP accept the recommendation of the T-10 Task Force that the T-10 is ready for matrix testing. Ralph Cherrillo seconded the motion. The motion passed with 13 for, 0 against, and 0 abstains.

9.0 M11-EGR Status

- 9.1 Shawn Whitacre presented the M11-EGR Task Force report (Attachment 9). Several changes to the test were reported, including a new batch of crossheads, an increase in the intake manifold air temperature from 64 degrees C to 80 degrees C, and a change from the K19 to the Modine aftercooler.

- 9.2 The M11-EGR Task Force action plan includes additional testing by the matrix laboratories incorporating the new requirements.
- 10.0 Memorandum of Agreement
 - 10.1 John Zalar called the panel's attention to the *PC-9 Test Matrix Decision Criteria* contained in the MOA for the PC-9 matrix program. Concerns were expressed about the specificity of the criteria that, if interpreted too strictly, could prevent the matrix from starting. After much discussion, the wording revisions shown as Attachment 10 were proposed.
 - 10.2 Charlie Passut moved that the HDEOCP support the proposed wording changes to the *PC-9 Test Matrix Decision Criteria* in the MOA for the PC-9 matrix program. Ralph Cherrillo seconded the motion. The motion passed by voice vote.
 - 10.3 John Zalar will forward the HDEOCP proposed wording changes to API.
- 11.0 PC-9 Elastomer Task Force
 - 11.1 Tom Boschert presented the PC-9 Elastomer Task Force report (Attachment 11).
 - 11.2 Dan Larkin asked about the possible inclusion of the elastomer testing requirement (without limits) in D 4485. Tom Boschert will contact Lyle Bowman for editorial advice.
- 12.0 PC-9 Timeline
 - 12.1 Brent Shoffner presented the updated PC-9 timeline (Attachment 12).
- 13.0 Sequence IIIF
 - 13.1 Bill Nahumck reported on the status of the Sequence IIIF test (Attachment 13) with emphasis on the test's increased oxidation severity.
- 14.0 Old Business
 - 14.1 Don Marn reminded the panel that test data is still needed to evaluate the replacement of the L-38 with the Sequence VIII in the active heavy duty categories.
- 15.0 Next Meeting
 - 15.1 The next meeting is scheduled for November 2, 2000 at the Holiday Inn O'Hare International.
- 16.0 Adjournment
 - 16.1 The meeting was adjourned at 11:55 AM.

Submitted by,
John Zalar for Jim Wells, Secretary to the HDEOCP