

**Minutes of the May 24, 2007
Mack Test Surveillance Panel
Teleconference**

Attendance - Mark Cooper, Jeff Clark, Jim Matasic, Jess Hamilton, Jim Moritz, Bob Campbell, Greg Shank, Scott Richards, Jim Rutherford, Ron Buck, Jim Gutzwiller

T-12 Modine Intercoolers – an Ad Hoc discussion on T-12 Modine Intercoolers resulted in the SP giving direction to TEI to get the 5 coolers remaining in the Mack system. This will be discussed again at the June SP meeting.

T-8 Reference Oil Proposal - Jeff reviewed the proposal that had been submitted to the group (attached). After short discussion, two motions were passed unanimously, details are shown below.

1st Motion: Accept TMC oil 1005-2 as the T-8 reference oil with targets shown in Table 1. These targets will be used for the first 5 tests. The Shewhart severity K will temporarily be set at 2.4, until the 5 test data set is reviewed.

TABLE 1: T-8 TARGETS FOR TMC 1005-2

Parameter	Mean	Standard Deviation
VI38	5.85	0.72
RV48	2.14	0.15
RV2	2.42	0.16

2nd Motion: Each lab's current T-8 lab severity adjustments values will remain in place until that lab completes a reference on 1005-2. At that point, the lab SA will be zeroed until the 5 test data set on 1005-2 is reviewed. There will be no more 1004-3 assignments for the T-8 (note: one test is already underway on 1004-3).

The next meeting is set for June 18, 2007 in Miami.

**Test Monitoring Center
Proposal to Introduce
TMC 1005-2 as a T-8 Reference Oil**

April 27, 2007



Reference Oil Summary

- T-8 Reference Oil
 - *Lab(s) are now without reference oil!*
 - *Reblend of 1004 is not available!*
- Mack SP requested proposal for 1005-2
 - This proposal is a starting point.

TMC 1005-2 as T-8 Reference Oil

- Positives
 - Five T-8 test results on 1005
 - Plenty 1005-2 available
 - Labs would be able to run immediately

TMC 1005-2 as T-8 Reference Oil

- Negatives
 - Data is old (10+ years)
 - Tests are on a previous blend
 - Data is mixed
 - Relative Viscosity data obtained from recent shear results on 1005-2

TMC 1005-2 as T-8 Reference Oil

- Possibilities

- Targets

- VI38 (mean & stdev) = 5.85 & 0.72
 - RV48* (mean & stdev) = 2.14 & 0.15
 - RV2* (mean & stdev) = 2.42 & 0.16

*based on original viscosity results and recent shear data for 1005-2

TMC 1005-2 as T-8 Reference Oil

- Possibilities
 - Control Chart Options
 - Temporary expansion of Shewhart K to 2.00 until five tests
 - Consider suspend / freeze current RV2 SAs

T-8 Data: TMC 1005(-2)

<u>TESTKEY</u>	<u>LAB</u>	<u>VI38</u>	<u>RV48</u>	<u>RV2</u>
28256	G	5.95	2.16	2.46
29281	G	4.85	1.94	2.21
29096	J	6.86	2.29	2.58
29097	J	5.70	2.05	2.32
29130	J	5.90	2.27	2.55
	Mean	5.85	2.14	2.42
	s	0.72	0.15	0.16