



Test Monitoring Center

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MEMORANDUM: 03-101

DATE: October 15, 2003

TO: D02.B07 TEOST Surveillance Panel
D02.B07 TEOST Mailing List
D02.B07 TEOST Participants

FROM: Tom Schofield

SUBJECT: MTEOS Technical Update: Test Method Update; Suspension of Reference Oil 432; Revised Reference Oil Targets

Per approval of recent D02.B0.07 TEOST Surveillance Panel ballots, please note the following changes to TMC calibration test monitoring of the MHT TEOST (MTEOS) test method:

1. Effective November 1, 2003, the TMC will begin monitoring MTEOS test method Version 2, 03.09.23, as previously distributed by Sue Milczewski. As of November 1, tests run using the Draft 17 method will no longer be acceptable for TMC calibration purposes. Note that the new test method uses a flask for sample installation (as opposed to sample injection under Draft 17). All instruments to be calibrated with the TMC will require the modification for flask sample installation before calibrating with the TMC. All labs should recalibrate with a blind TMC sample after converting their instruments, and before running candidate oils. Because the TMC reference oil targets will not be effective until November 1 (see item 3 below), acceptable TMC calibrations using Version 2 cannot be started before the effective date of November 1.
2. TMC reference oil 432 is temporarily suspended for calibration purposes until sufficient data can be collected to establish updated performance target estimates and acceptance bands using the Version 2 test method. Each participating monitored lab will be asked to contribute two test results using oil 432 on a TMC calibrated (Version 2) instrument. This donated test data will be evaluated for setting new targets and acceptance bands.
3. New reference oil performance target estimates and acceptance bands, shown in Table 1 below, are effective November 1, 2003. These new targets and bands are specifically for MTEOS calibration test results using test method Version 2. Target estimates were derived from the SC 9 task force round-robin data. The TMC used a subset of the SC 9 round-robin, using data from TMC monitored labs only, for estimating the targets and acceptance bands in Table 1. Target estimates and bands for these oils will be re-evaluated after additional calibration data is collected for each oil.

Table 1
TMC MTEOS Targets and Acceptance Bands
Effective November 1, 2003

TMC Oil Code	n	Total Deposits Target Mean (mg)	Targets	Acceptance Bands (inclusive) Total Deposits, mg Effective 20031101
74	14	13.59	3.97	5.8 – 21.4
432	Temporarily Suspended			
433	14	42.10	5.34	31.6 – 52.6
1006	14	42.43	6.10	30.5 – 54.4

Please direct any inquiries to my attention.

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