



Test Monitoring Center

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MEMORANDUM: 06-005

DATE: February 1, 2006

TO: D02.B07 EOVTSP Mailing List

FROM: Tom Schofield

SUBJECT: D6417 Technical Update: Use of TMC 58 as Daily QC Check Sample

At the December 2005 ASTM D02.B0.07 meeting, the Engine Oil Volatility Test Surveillance Panel (EOVTSP) asked the Test Monitoring Center (TMC) to issue this memo to restate explicitly that TMC monitored labs are expected to continue to use TMC Reference Oil 58 to satisfy the Reference Materials requirement in Section 11 of Test Method D6417-03 for TMC calibrated instruments. That section requires the use of a reference material of known performance to be run “with each batch of [test] samples” to ensure that the instrument is performing correctly.

The TMC began monitoring the D6417 test method on October 5, 2000, when the current test method-version was D6417-99. The -99 version explicitly stated, in section 11, that a reference material must be run with each batch of samples, and that the reference material was available from the ASTM Test Monitoring Center. It was agreed then by the EOVTSP that TMC oil 58 would be distributed to satisfy this requirement, and a TMC technical memo was issued explaining, among other things, the reference material requirement (TMC memo 00-122, September 13, 2000). Presently we are monitoring the most current published test method-version, D6417-03, and Section 11 now specifies the use of a generic reference material, and no longer specifies the TMC as the source of that reference material. I requested a clarification about this procedural change from the EOVTSP and it was the panel’s consensus that we continue to specify explicitly, outside of the test method, that TMC Reference Oil 58 (as distributed by the TMC) is to be used to satisfy the reference material requirement in the D6417 test method for samples being run on TMC calibrated instruments, and that the current EOVTSP established target performance and precision, as well as the current acceptance limits, be used for monitoring the performance of the check sample. Those targets are:

Test	TMC Oil Code	Parameter	n	Mean	sR	95% Confidence Acceptance Limits	
						Lower	Upper
D6417	58	area % volatility loss	18	5.61	0.30	5.0	6.2

Four-ounce samples of TMC Reference Oil 58 are available for purchase from the ASTM Test Monitoring Center for this purpose. Please direct any inquiries on this matter to my attention.

TMS/tms

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/d6417/memos/mem06-005.pdf>

Distribution: Email