



Test Monitoring Center

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MEMORANDUM: 03-064

DATE: July 15, 2003

TO: D02.B07 EOVTSP and CONTACTS Mailing List
D02.B07 EOVT D5800 Mailing List
D02.B07 EOVT D5800 Participants

FROM: Tom Schofield

SUBJECT: Revised Reference Oil Performance Targets and Acceptance Bands & Updated Test Method

Please be advised that a revised D5800 test method is available for purchase from ASTM headquarters (www.astm.org). Effective immediately, the TMC will be monitoring D5800-03 for future calibrations.

Also, at the June 16, 2003 meeting of the ASTM D02.B0.07 Engine Oil Volatility Test Surveillance Panel (EOVTSP) it was agreed to revise the performance targets and acceptance bands for all three TMC reference oils: 52, 55 and 58. I was directed to derive new targets and bands from the TMC's calibration data for all tests reported as operationally valid for the last three report periods (18 months, over the period 10/01/01 through 03/31/03). Effective July 21, 2003, the new performance targets and acceptance bands will be as shown in Table 1:

Table 1
Revised D5800 TMC Reference Oil Performance Targets and Acceptance Bands
Effective July 21, 2003

Oil Code	Parameter	n	Mean	s _R	95% Acceptance Bands*	
					Lower	Upper
52	Mass % Volatility Loss	33	13.75	0.61	12.6	14.9
55	Mass % Volatility Loss	32	17.09	0.76	15.6	18.6
58	Mass % Volatility Loss	37	15.20	0.72	13.8	16.6

$$*95\% \text{ Bands} = \text{Mean} \pm (1.960 \times s_R)$$

The new overall target precision (s_R), pooled across all three oils, is 0.70.

Please direct any inquiries to my attention.

TMS/tms

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/d5800/memos/mem03-064.tms.pdf>

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