



Test Monitoring Center

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MEMORANDUM: 01-136
DATE: October 24, 2001
TO: Gelation Index Mailing List
FROM: Tom Schofield
SUBJECT: GI Technical Memorandum: Reference Oil 58 Targets

At the ASTM D02.B07 meeting of June 18, 2001, the section agreed to introduce TMC oil 58 as a new Gelation Index (GI) reference oil under the TMC monitoring system. A matrix was run to establish performance targets and calibration acceptance bands on oil 58. The results of that matrix, along with proposed performance targets and acceptance bands, were distributed in an informal e-mail ballot on September 26, 2001. I received no negative responses to my proposal.

Therefore, effective immediately, TMC oil 58 is added to oils 52, 53 and 62 as a current reference oil for TMC calibration monitoring of the Gelation Index test by method D5133. The acceptance bands and performance targets for all of the current GI reference oils are as follows:

GI (D5133) TMC Calibration Oil Performance Targets and Acceptance Bands
Effective October 24, 2001

Oil	Parameter	n	Mean	sR	95% Acceptance Bands (inclusive)
52	Gelation Index	3 5	4.5	0.24	4.0 – 5.0
53	Gelation Index	3 7	44.7	4.64	35.6 – 53.8
58	Gelation Index	1 7	5.8	0.69	4.4 – 7.2
62	Gelation Index	3 5	17.0	3.90	9.4 – 24.6

Note that targets and acceptance bands for oils 52, 53 and 62 are unchanged.

Please direct any inquiries to my attention.

TMS/tms

Distributed by Internet mail message

c: M. Lane

J. Zalar

<ftp://www.tmc.astm.cmri.cmu.edu/docs/bench/gi/memos/mem01-136.pdf>