



A Program of ASTM International

Test Monitoring Center

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Sequence IIIF Information Letter 13-3
Sequence No. 37
September 18, 2013

ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: Sequence III Mailing List
SUBJECT: Handling Negative Viscosity Increase

Recently, the Sequence III Surveillance Panel approved an electronic ballot to address negative viscosity increase values when correcting hours to viscosity increase. Section 12.7.9.7 has been added to substitute 0.1% when a negative viscosity increase is encountered. Appendix X1 has also been revised to address this situation when calculating Sequence IIIFHD Percent Viscosity Increase results at 60 h for bias using a similar technique.

The attached new and revised sections of Test Method D6984 are effective with the issuance of this letter,

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Engine Oil Test Development and Support
GM Powertrain Materials Engineering

Frank M. Farber
Director
ASTM Test Monitoring Center

Attachments

c: ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IIIF/IL13-3.pdf

Distribution: Electronic Mail

Modifies Test Method D6984-12b
as amended by Information Letters 13-1 and 13-2

12.7.9 For the calculations listed in this section and following sections 12.7.9.1, 12.7.9.2, 12.7.9.3, 12.7.9.4 and 12.7.9.5, the minimum result that will be considered for the percent viscosity increase is 0.1 %. When negative or zero percent viscosity increase results are encountered, substitute 0.1 % for the original unit result and complete the calculations. A notation is required in the Other Comments and Outliers section of Form 13 (see Annex A5) indicating that the percent viscosity result used for interpolation has been modified for a special case.

Appendix X1 Sequence IIIF HD Test

X1.3.3 The minimum result that will be considered for the percent viscosity increase is 0.1 %. When negative or zero percent viscosity increase results are encountered, substitute 0.1 % for the original unit result and complete the calculations below. A notation is required in the Other Comments and Outliers section of Form 13 (see Annex A5) indicating that the percent viscosity result used for interpolation has been modified for a special case.

X1.3.3.1 Calculate SA for percent viscosity increase.....

(1) Determine.....