



Test Monitoring Center

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Sequence VG Information Letter 14-2
Sequence No. 39
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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 VG Mailing List
SUBJECT: Handling Negative Oil Screen Clogging Values

As a result of a recent Sequence VG Surveillance Panel conference call, the panel agreed to address negative oil screen values which could occur after a test result has been adjusted for laboratory severity. Section 13.4.1.3 has been revised to substitute 0.0 % when a negative oil screen result is encountered.

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Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencev/procedure_and_ils/vgil14-2-39.pdf

Distribution: Email

(Revises Test Method D6593-13b, as amended by information letters 13-02 and 14-1)

13.4.1.3 Determine the percentage of the total screen opening that is obstructed with debris. Determine the percentage of the total screen opening that is obstructed with sludge. Transform the oil screen sludge results by taking the natural log (ln) of the oil screen sludge rating plus one; that is, $\ln(\text{oil screen clogging} + \text{one})$. Round the transformed value to four decimal places. Report both transformed and original result on the appropriate form(s). If the test was run using Haltermann fuel, Batch AK2821NX10-1, adjust the transformed oil screen result by subtracting -0.757. Where laboratory bias is determined to be significant, adjust the results for severity in accordance with the Lubricant Test Monitoring System.²³ Round this adjusted result to four decimal places and convert to original units by subtracting one from the antilog (e^x) of the adjusted result in transformed units. Record this value as the final result in original units on the appropriate form(s). Label as sludge all matter present on the oil screen that is not immediately recognizable as debris. Label all matter of indeterminate composition as sludge. Report any negative final corrected result as 0.0 %.