



## Test Monitoring Center

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Sequence IVB Information Letter 21-2  
Sequence Number 3  
August 3, 2021

***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 IVB Surveillance Panel

SUBJECT: 1. 1006-2 Break-in Oil Replaced with SL107  
2. Revision to Stand Instrumentation Calibration Frequency  
3. Removal of Annex A10 and Clarification to Section 7.2

1. During the July 29, 2021 Conference Call, the Sequence IV Surveillance Panel agreed to specify the use of Reference Oil SL107 for break-in of new engines. Section 7.3 has been revised to show reference oil SL107.
2. During the same conference call, it was agreed to revise the instrumentation calibration frequency to align with the reference oil test. Section 10.3.3.1 and the heading for Table 6 have been updated to reflect this change.
3. A previous letter has updated Section 7.2 to refer to the TMC website and remove Annex A10. However, Annex A10 continues to appear in the Test method. Section 7.2 has been revised to show the fuel specification is available from the TMC website and Annex A10 is shown as being removed and subsequent annexes renumbered.

The text of the revisions are shown in the attachment, highlighted in red. These changes are effective July 29, 2021.

William A. Buscher III  
Chairman  
Sequence IV Surveillance Panel

Frank M. Farber  
Director  
ASTM Test Monitoring Center

Attachment

c: [http://www.astmtmc.cmu.edu/ftp/docs/gas/sequenceiv/procedure\\_and\\_ils/ivb/IL21-002-ivb.pdf](http://www.astmtmc.cmu.edu/ftp/docs/gas/sequenceiv/procedure_and_ils/ivb/IL21-002-ivb.pdf)

Distribution: Email

## Revises Test Method D8350-21

**7.3.1 Break-in Lubricating Oil**—An engine break-in procedure as shown in 11.8 is immediately conducted following the replacement of new, major engine components (that is, engine short-block, or cylinder head, or both). Use the proper reference oil, ~~1006-2~~ **SL107**, from the TMC for the break-in procedure. Use 3 L of this reference oil for each break-in procedure.

**7.2 Fuel**—Use Haltermann KA24E<sup>10</sup> Green test fuel for this test method (**Warning**—Flammable health hazard). It is dyed green to preclude unintentional contamination with other test fuels. Refer to the TMC **Website** ([www.astmtmc.org](http://www.astmtmc.org)) **for the test fuel specification**. Use approximately 750 L of fuel for each test (24 000 cycles). This fuel has a hydrogen-to-carbon ratio of 1.80 to 1.

**10.3.3.1** Upon initial stand installation and ~~every six months thereafter~~ **every reference oil test sequence thereafter** perform a full instrumentation calibration according to Table 6.

**TABLE 6** Parameters to be Calibrated ~~Every 6 Months~~ **Prior to Each Reference oil Test Sequence**

**Delete existing Annex A10 and renumber existing Annexes A11, A12 and A13 as A10, A11 and A12.**