



Test Monitoring Center

6555 Penn Avenue  
Pittsburgh, PA 15206-4489  
(412) 365-1000

T-8 INFORMATION LETTER 07-1  
Sequence No. 15

February 1, 2007

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

TO: Mack Mailing List

SUBJECT: Fuel Sulfur Measurement Test Method Change  
Soot Requirement Change

At their January 23, 2007 meeting, the Mack Test Surveillance Panel approved the following changes to the T-8 test procedure, ASTM Test Method D 5967:

Fuel Sulfur Measurement Test Method Change

The specified method for measuring fuel sulfur was changed from Test Method D 129 to Test Method D 5453, with Test Methods D 2622 and D 4294 being acceptable substitutes. Appropriate changes to Section 2.1 and Section 11.2 have been made and are attached.

Soot Requirement Change

The 250-h soot requirement for reference oil 1004-3 was changed from 4.0 - 4.8 % to 4.0 - 5.0 %. Section 9.6.3 has been modified and is attached.

Greg Shank  
Manager, Engine Product Development  
Volvo

John L. Zalar  
Administrator  
ASTM Test Monitoring Center

Attachment

c: [ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure\\_and\\_ils/T-8/il07-1.pdf](ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure_and_ils/T-8/il07-1.pdf)

Distribution: Email

**(Revises Test Method D 5967-05, as amended by Information Letter 06-1)**

**Remove from Section 2.1:**

D 129 Test Method for Sulfur in Petroleum Products (General Bomb Method)

**Add to Section 2.1:**

D 4294 Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry

D 5453 Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence

9.6.3 *Soot Requirements*—All operationally valid calibration tests on TMC oil 1004-1 shall produce a TGA soot level between 4.0 to 4.6 % at 250 h. All operationally valid calibration tests on TMC oil 1004-2 shall produce a TGA soot level between 4.0 to 4.8 % at 250 h. All operationally valid calibration tests on TMC oil 1004-3 completed on or before December 31, 2006 shall produce a TGA soot level between 4.0 to 4.8 % at 250 h. All operationally valid calibration tests on TMC oil 1004-3 completed on or after January 1, 2007 shall produce a TGA soot level between 4.0 to 5.0 % at 250 h. A laboratory may terminate a calibration test that is projected to miss the 250 h test soot window. Calibration tests with soot levels outside the 250 h soot window are considered operationally invalid.

11.2 *Fuel Inspections*—Use fuel purchase inspections to complete forms in Annex A1 for the last batch of fuel used during the test. If more than one batch is used for a test, list each fuel batch in the fuel batch identifier block in Annex A1. List the fuel batches in chronological order (initial to final batch). In addition, perform the following inspections on NEW and EOT fuel samples:

*API Gravity at 15.6 °C (60°F), Test Method D 287* (3)

*Total Sulfur, % wt., Test Method D 5453 (Test Methods D 2633 or D 4294 can be substituted)*

*Use one 0.95-L (1- qt) sample for inspections*