



Test Monitoring Center

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Sequence IIIG Information Letter 09-1
Sequence No. 20
March 9, 2009

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: 1. Oil Filter and Cooler Replacement
2. Editorial Change

1. Recently, the Sequence III Surveillance Panel agreed to allow the replacement of the oil filter, oil cooler, or both during a Sequence IIIG test. Section 6.10.5 has been added to Test Method D 7320.
2. It was noted that the °F reference in Section 6.12 was incorrect. The dry air bulb temperature of 35° C corresponds to a Fahrenheit reading of 95, not 80.6 as recorded in the current version of the method. The appropriate revision to Section 6.12 is the removal of all measurement units shown in parentheses, per the ASTM Units Directive. There currently is a Sequence IIIG ballot in Committee D02 (closes March 27, 2009) that deletes all parenthetical units from the method.

The attached changes to Test Method D 7320 are effective the date of this information letter.

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Engine Oil Test Development and Support
GM Powertrain Materials Engineering

John L. Zalar
Administrator
ASTM Test Monitoring Center

Attachments

c: ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IIIG/IL09-1.pdf

Distribution: Electronic Mail

6.10.5 The oil cooler, oil filter, or both can be replaced once each test if the oil filter pressure differential is greater than 100 kPa during test operations or if bypass operation is detected.

6.10.5.1 The oil cooler, oil filter, or both can be replaced only once each test (that is, if a filter is replaced at 30 h, the cooler cannot be replaced at 50 h).

6.10.5.2 If the oil filter is replaced during the test, drain any oil contained in the old oil filter into the new oil filter before installing it on the test engine.

6.10.5.3 Do not add new test oil to the engine as a result of oil filter or oil cooler replacement. Consider as oil consumption any oil lost as a result of oil filter or oil cooler replacement.

6.10.5.4 If the oil cooler, oil filter, or both are replaced during a test, place a note in the test report detailing what components were replaced and when they were replaced.

6.12 *Induction Air Supply Humidity, Temperature, and Pressure*—Maintain the throttle body intake air at a moisture content of 11.4 ± 0.7 g/kg of dry air, a dry bulb temperature of $35 \pm 2^\circ\text{C}$, and a static pressure of 0.050 kPa (see Annex A7). Measure temperature and pressure at the inlet air adapter.