



## Test Monitoring Center

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Sequence IIIH Information Letter 20-4  
Sequence Number 17  
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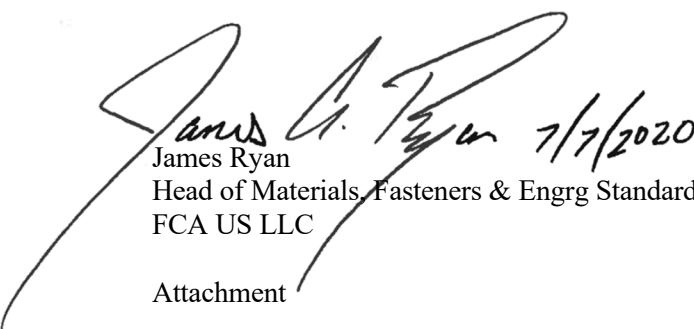
***ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.***


TO: Sequence III Surveillance Panel

SUBJECT: Clarification to IIIH 60 hour and IIIH 70 hour test procedures and test results.

Recently, the Sequence III Surveillance Panel approved the clarifications to Appendices X4 and X5. These appendices allow the use of IIIH 60 hour and 70 hour tests, in support of the ASTM Heavy Duty Engine Oil Classifications. The clarification to section X4.4.1 describes how severity adjustments (SA's) are applied to IIIH60 test results. The clarifications to X5 also pertain to how SA's are applied to IIIH70 test results and both IIIH60 and IIIH70 test results can be reported on the IIIH70 report forms.

Test Method D8111-20 has been revised to incorporate these changes and are effective with the issuance of this letter. Changes to specific sections are highlighted in red.

  
James Ryan  
Head of Materials, Fasteners & Engrg Standards.  
FCA US LLC

  
Frank M. Farber  
Director  
ASTM Test Monitoring Center

Attachment

c: [http://www.astmtmc.cmu.edu/ftp/docs/gas/sequenceiii/procedure\\_and\\_ils/IIIH/il20-4\\_IIIH.pdf](http://www.astmtmc.cmu.edu/ftp/docs/gas/sequenceiii/procedure_and_ils/IIIH/il20-4_IIIH.pdf)

Distribution: Email

**(Revises D8111-20 as amended by Information Letters 20-2 and 20-3)**

**X4. SEQUENCE IIIH60 TEST PROCEDURE**

X4.4.1 *Stand-Alone Sequence IIIH60 Test*—If only a Sequence IIIH60 test result is needed, conduct the test in the normal manner as listed in this test method until the test reaches the 60 h point. When the 60 h point is reached, terminate the test. The blowby readings listed in 11.8 for test-hours 61, 66, 71, 76, 81, 86 and 89 are also not required. The MRV and WPD measurements listed in 12.3 and 12.4 are not required for a Sequence IIIH60 test. Analyze the used oil samples for viscosity increase according to 12.4. Perform ICP Analyses through Test Hour 60 and report according to 12.5. No other ratings or measurements are required. **Adjust final results using the full-length IIIH end of test SAs.**

**X5. SEQUENCE IIIH70 TEST PROCEDURE**

X5.1 *Overview* —The Sequence IIIH70 test was developed to replace the viscosity increase, weighted piston deposits and average piston varnish portion of the Sequence IIIF test. The Sequence IIIH70 test consists of examining the percent viscosity increase, weighted piston and average piston boss varnish deposits data obtained at 70 h, rather than the normal 90 h for a Sequence IIIH test. A separate Sequence IIIH70 report form set is available from the TMC for reporting Sequence IIIH70 test results. Do not use the Sequence IIIH report form set to report Sequence IIIH70 test results. **The Sequence IIIH70 report form also includes the IIIH60 percent viscosity increase.**

X5.4 *Test Procedure*—Conduct the Sequence IIIH70 as a stand-alone test. When the 70 h point is reached, terminate the test. The blowby readings listed in 11.8 for test-hours 71, 76, 81, 86 and 89 are not required. Rate the pistons and determine weighted piston deposits and average piston boss varnish measurements listed in 12.3. Analyze the used oil samples for viscosity increase according to 12.4. Perform ICP Analyses through Test Hour 70 and report according to 12.5. No other ratings or measurements are required. **Adjust both 60 h percent viscosity increase and 70 h final results using the full-length IIIH end of test SAs.**