



Test Monitoring Center

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1M-PC Information Letter No. 09-1
Sequence No. 12
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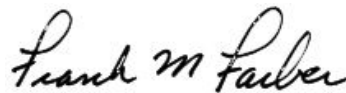
ASTM consensus has not yet been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: Single Cylinder Diesel Mailing List
SUBJECT: Addition of 1Y3995 and 5H5657 Cylinder Liners

The use of 1Y3995 and 5H5657 cylinder liners has been added to the 1M-PC test procedure. Section 9.14.1 has been modified accordingly and is attached.

As approved via teleconference on August 5, 2009, the requirement to provide hard copy final reports has been removed. Accordingly, section 12.16.3 has been deleted.

Hind Abi-Akar
Hind Abi-Akar
Project Engineer
Caterpillar, Inc.


Frank M. Farber
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Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/scote/procedure_and_ils/1mpc/il09-01.pdf

Distribution: Email

(Revises Test Method D6618-08)

9.14.1 *Initial Cylinder Liner Measurements* —Assemble the cylinder head, block, and liner with specified stud nut torque.

9.14.1.1 Measure the 1Y3590, 1Y3995, or 5H5657 liner in both transverse and longitudinal directions relative to the crankshaft to ensure that the out-of-round and taper conditions are within specified tolerances. Take measurements from underneath at 25 mm (1 in.) intervals for 23 cm (9 in.), starting 25 mm (1 in.) from the top of the liner.

9.14.1.2 Determine the out-of-round condition for each 25 mm (1 in.) interval: It shall not exceed 0.038 mm (0.0015 in.).

9.14.1.3 The taper measurement compares the diameters from 25 mm (1 in.) to 23 cm (9 in.) for both transverse and longitudinal positions; the maximum difference shall not exceed 0.051 mm (0.0020 in.).

9.14.1.4 Measure liner surface finish. Record all measurements on the Liner Measurements form of the test report.

Delete Section 12.16.3.