



Test Monitoring Center

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1R Information Letter No. 09-1
Sequence No. 4
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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: Use of 1Y3997 Cylinder Liners

The use of 1Y3997 liners has been added to the 1R test procedure. The surface liner specification for the original 1Y3805 liners does not apply to the 1Y3997 liners. Section 9.11 has been revised accordingly and is attached.

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Attachment

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

Distribution: Email

(Revises Test Method D6923-08)

9.11 *Cylinder Liner*—Use a new 1Y3805 or 1Y3997 cylinder liner for each test. After removing the protective oil/grease with solvent, clean the liner bore with a hot tap water and soap solution, then rinse with hot tap water.

9.11.1 Measure and record the liner surface finish. The surface finish specification shown in Fig. A8.3 does not apply to the 1Y3997 liner.

9.11.2 Oil the liner bore with only Mobil EF-411. Assemble the cylinder liner, block and head with the torque specification shown in the 1Y3700 Service Manual or Annex A8.

9.11.3 Measure the liner with a dial bore gage to ensure that the out-of-round and taper conditions are within specified tolerances measured at seven intervals as shown in Annex A8.

9.11.4 Measure the cylinder liner projection using the modified indicator shown in Annex A8.

9.11.5 Torque the cylinder liner support ring using the procedure shown in Annex A8.