



Test Monitoring Center

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

Sequence IVA Information Letter No. 02-4

Sequence No. 10

December 18, 2002

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 IVA Mailing List

SUBJECT: Lubricating the Camshaft During Installation

This information letter implements action items approved by the Sequence IVA Surveillance Panel. This information letter addresses specific parts and procedures pertaining to quality, consistency, performance, and accountability of test parts as part of the ongoing effort by the panel to ensure continual process improvement of the Sequence IVA test.

Oil Sample Tap Location Change

On December 13, 2002, the Sequence IVA Surveillance Panel approved a motion via e-ballot to allow the use of either test oil or SAE 20 API SA grade oil for lubrication of the camshaft journals during assembly. Lubrication of the camshaft lobes prior to installation is still to be done with test oil only. This change is effective for all tests started on or after December 16, 2002. Sections 9.6.3 and 9.6.3.5 of Draft 6 of the Sequence IVA test procedure have been revised and are attached.

William A. Buscher III
Chairman
Sequence IVA Surveillance Panel

John Zalar
Administrator
ASTM Test Monitoring Center

Attachment

c: ftp://ftp.astmtmc.cmu.edu/documents/gas/sequenceiv/procedures_and_ils/ivail02-4-10.pdf

Distribution: Email

9.6.3 Camshaft Installation

After modifying, cleaning, assembling and calibrating the cylinder head, install the measured test camshaft. Clean the camshaft with aliphatic naphtha and force-air dry, see 6.1.3. Coat the journals with SAE 20 API SA grade oil or new test oil. Coat the lobes with new test oil only. Do not use REO 926-2 or SAE 20 API SA to lubricate the lobes.

9.6.3.5 Oil the camshaft journals and journal bores with SAE 20 API SA grade oil or new test oil and install the test camshaft.