



Test Monitoring Center

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Sequence IIIF Information Letter 12-1
Sequence No. 34
April 13, 2012

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. Addition of First In, First Out Requirements for Specific Hardware
2. Corrected Part Number for Harmonic Balancer

1. During the March 28, 2012 Sequence III Surveillance Panel meeting, the panel approved the addition of requirements to use specific parts in inventory using First in - First out (FIFO) criteria. Section 6.4.1.4 and Annex A16 have been added to define what parts are subject to FIFO requirements and specific requirements for the implementation of FIFO criteria. This change is effective July 1, 2012.
2. During the March 28, 2012 Sequence III Surveillance Panel meeting, the panel approved a change in the requirement for changing the automated parts washer cleaning solution. Sub-section (1) of Section 9.5.3.1 has been revised to require the solution to be changed after 25 hours of use. This change is effective March 28, 2012.

Attached are the new and revised sections of Test Method D 6984.

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GM Powertrain Materials Engineering

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Attachments

c: [ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IIIF/IL12-1.pdf](http://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IIIF/IL12-1.pdf)

Distribution: Electronic Mail

Modifies Test Method D6984-11
as amended by Information Letter 11-1

6.4.1.4 Use the components listed in Annex A16 on a First in - First out basis. Specific guidelines are also listed in Annex A16.

9.5.3.1 Clean the block in a heated bath or temperature-controlled automated parts washer before and after honing. Follow these suggested guidelines to ensure there is no rusting of the engine block after this process:

(1) Use only NAT-50 or PDN-50 soap at a concentration of 7.3 kg of soap per 380 L of water. Change the soap and water solution after at least every 25 h of use.

A16. GUIDELINES FOR HARDWARE SUBJECT TO FIRST IN – FIRST OUT CRITERIA.

A16.1 Consume the following hardware according to the below listed guidelines for First in - First out procedure with regards to batch codes, pour codes and date received.

- Camshaft
- Lifters
- Main bearings, connecting-rod bearings, camshafts bushings
- Oil Filter
- Oil Cooler
- Pistons
- Piston rings
- Rocker arms
- Valve springs
- Valve-stem seals (intake and exhaust)

A16.2 Laboratory(s) will record the date (month, day, year) a critical part was received at the given lab.

A16.3 Consume hardware in the following order of importance;

- 1) Batch Code/Pour Code
- 2) Date of receipt by the laboratory

Where no batch code/pour code information is available, consume hardware by earliest date received.

A16.4 Each batch of ring sets and pistons is run-dependent. When a laboratory consumes a new batch of pistons on a given ring set size, the laboratory cannot return to a previous batch for that same ring set size. For example, if a laboratory uses a piston ring set size and a grade 12 piston from Batch Code Y (12 designates for use in the first and second engine builds), the laboratory cannot use a Batch Code X piston ring set for subsequent Batch Code Y grade 12 pistons.

A16.5 Record batch code information for the hardware listed in A16.1 on the appropriate form of the test report package.