



Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

Sequence IIIF Information Letter 16-1
Sequence No. 43
February 3, 2016

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: Additional Cleaning to Allow Reuse of Fuel Injectors

As a result of a recent Sequence III Surveillance Panel conference call, the panel agreed to allow the cleaning of fuel injectors by ultrasonic means. This cleaning method may be used for reference and non-reference testing on or after January 20, 2016. Sections 6.14.1.6 (a) and (b) and new footnote 12 have been added to Test Method D6984 and are attached.

Bruce Matthews
Engine Oil Test Development and Support
GM Powertrain Materials Engineering

Frank M. Farber
Director
ASTM Test Monitoring Center

Attachments

c: ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiii/procedure_and_ils/IIIF/IL16-1.pdf

Distribution: Electronic Mail

Modifies Test Method D6984-15a, as amended by Information Letter 15-2

6.14.1.6 Observe the spray pattern that each injector produces; if an injector's spray pattern is a straight stream or dribbles, the injector can be cleaned and reused after satisfactorily undergoing the following steps:

- a) First, immerse the fuel injector in degreasing solvent briefly; remove it and place it in an ultrasonic-type cleaner for 20 min. (Ultrasonic Cleaner Lab Safety Model 32V118¹² has been found suitable).
- b) Repeat 6.14.1.1 through 6.14.1.5 above. If a cleaned injector's spray pattern still is a straight stream or dribbles, discard the injector.

¹² Lab Safety Model 32V118 ultrasonic cleaner can be purchased from Grainger Catalog www.grainger.com or any local Grainger outlet.

Renumber existing Footnotes 12 through 32 as 13 through 33