A Program of ASTM International

Test Monitoring Center

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

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

T-13 Information Letter 16-4
Sequence No. 4
October 7, 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: Mack Surveillance Panel Mailing List

SUBJECT: T-13 Coolant Filter Requirement and Upper Bearing Outlier Screening

During the October 5th, 2016 Mack Surveillance Panel teleconference it was unanimously decided to change the wording of the coolant filter requirement. Section 6.2.2.1 has been updated is attached.

During the same call it was unanimously decided to add upper connecting rod bearing mass loss outlier screening to the procedure. Annex A11 section A11.3 has been added accordingly.

Both revisions are effective with the date of this information letter.

Greg Shank
Manager
Volvo Group Truck Technology
Powertrain Engineering

Frank M. Farber
Director
ASTM Test Monitoring Center

Attachment
c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure_and_ils/T-13/il16-4-T13.pdf

Distribution: Email

(Revises 8048-16 as amended by IL's 16-1, 16-2 and 16-3)

6.2.2.1 Use a new Volvo or Mack branded coolant filter, without additives, every test to limit scaling in the cooling system. Pressurize the system at the expansion tank to 103 kPa. Use the coolant described in 7.3.1.

A11.3 Average Upper Connecting Rod Bearing Mass Loss:

A11.3.1 Calculate the average and standard deviation of upper connecting rod bearing mass loss and report the data on the appropriate forms. Use Practice E178 Section 6.1 and Table 1, two-sided test at Upper 2.5 % Significance Level with 6 observations (1.887) to determine if any upper connecting rod bearing mass loss values are outliers. Remove a maximum of one outlier. Calculate outlier screened upper connecting rod bearing mass loss, $\bar{x}$, and the standard deviation of the upper connecting rod bearing mass loss, s, for the group and report on the appropriate forms.