



Test Monitoring Center

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T-12 Information Letter 11-3
Sequence No. 10
August 23, 2011

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 Mailing List
SUBJECT: Updated Oil Consumption Calculation

Via email ballot, the Mack Test Surveillance panel updated the oil consumption calculation method to account for instances when the auxiliary oil sump runs dry. The revised wording to Section 10.5.1 is attached. This change went into effect on February 4, 2011.

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Frank M. Farber
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Attachment
c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure_and_ils/T-12/il11-3.pdf

Distribution: Email

(Revises D 7422-10a, as amended by Information Letters 10-2, 10-3, 11-1 and 11-2)

10.5.1 Using the 6 min oil mass measurements taken at 6 min intervals (see 9.7), determine the oil consumption in grams per hour by performing linear regression on the data for each of the eight 25 h periods from (100 to 300) h or when the auxiliary oil sump runs dry. The auxiliary oil sump is considered to have run dry when the oil mass curve shows a significant flattening which indicates that the oil mass is no longer decreasing. The oil consumption for a 25 h period is the slope of the regression line for that same period. Report the oil consumption as the average of the results for the periods before the auxiliary oil sump went dry.