A Program of ASTM International

Test Monitoring Center

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ISM Information Letter 10-1
Sequence No. 5
March 17, 2010

ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: Cummins Mailing List

SUBJECT: Updated Crosshead Mass Loss Correction Factor

At the March 3, 2010 meeting, the Cummins Surveillance Panel reviewed additional data and updated the correction factor for Crosshead Mass Loss from +1.7 mg to +1.3 mg. The new correction factor is effective for all tests started on or after March 4, 2010. Section 11.1.8 of Test Method D7468 has been modified accordingly and is attached.

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Attachment

c: ftp://astmtmc.cmu.edu/docs/diesel/cummins/procedure_and_ils/ISM/il10-01.pdf

Distribution: Email

11.1.7 Calculate the following and report as *Adjusted to 3.9 % Soot* in the *Overall Summary* section of Form 6 listed in Table A9.1:

Crosshead Mass Loss Outlier Screened and Adjusted to 3.9 % Average Soot Mass = OSCHW + 3(3.9 – AVGSOOT) (1)

where:

OSCHW = Outlier Screened Crosshead Average Mass Loss value in the Overall Summary, and

AVGSOOT = mathematical average of the nine 25 h soot values (from 0 h to 200 h), reported to one decimal.

11.1.8 *Crosshead Mass Loss Correction Factor*

11.1.8.1 For all tests that complete on or after June 28, 2007 and started on or before March 3, 2010, add a correction factor of +1.7 mg to the crosshead mass loss value calculated in 11.1.7.

11.1.8.2 For all tests that start on or after March 4, 2010, add a correction factor of +1.3 mg to the crosshead mass loss value calculated in 11.1.7.