



A Program of ASTM International

Test Monitoring Center

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T-12 Information Letter 23-1
Sequence No. 23
October 13, 2023

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: Hardware Correction Factor Updates

On September 8, 2023 via teleconference, the Mack Test Surveillance panel voted to extend the use of the currently applicable correction factors to subsequent hardware batches for average liner wear and oil consumption. Accordingly, sections 11.6.3.1 and 11.6.6.1 have been revised and are attached.

This change is effective immediately.

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Attachment

c: https://www.astmtmc.org/ftp/docs/diesel/mack/procedure_and_ils/T-12/il23-1-T12.pdf

Distribution: Email

Ballot proposal for revision of D7422-22

Text added to the standard is shown in red and text deleted is shown in blue and with strikethrough.

Revise section 11.6.3.1 as follows and renumber all equations accordingly:

- (8) For all tests using the WXYPF4945E **and subsequent** hardware combinations determine the final average liner wear result by applying the correction factor of 0.761 according to the following equation:

$$ALW_{\text{Final}} = e^{0.761 \ln ALW} \quad (3)$$

where:

ALW_{Final} = final Average Liner Wear, μm

ALW = value calculated per 11.6.3 μm

Report the data on the appropriate form.

Revise section 11.6.6.1 as follows and renumber all equations accordingly:

- (8) For all tests using the WXYPF4945E **and subsequent** hardware combinations determine the final oil consumption result by applying the correction factor of 0.907 according to the following equation:

$$OC = e^{0.907 \ln OC_{100-300}} \quad (32)$$

where:

OC = final oil consumption, g/h

$OC_{100-300}$ = average oil consumption from 11.6.6, g/h

Report the data on the appropriate form.