



A Program of ASTM International

## Test Monitoring Center

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T-13 Information Letter 23-1  
Sequence No. 10  
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 Surveillance Panel Mailing List  
SUBJECT: Industry Correction Factor for Kinematic Viscosity Parameter

During the August 28, 2023, Mack/Volvo Surveillance Panel teleconference the panel voted to add an industry correction factor to the kinematic viscosity parameter for all tests on batch B and subsequent cylinder liners. Section 11.6.3.1 has been added to Test Method D8048-21a and is attached.

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Powertrain Engineering

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Director  
ASTM Test Monitoring Center

Attachment

c: [http://www.astmtmc.org/ftp/docs/diesel/mack/procedure\\_and\\_ils/T-13/il23-01-T13.pdf](http://www.astmtmc.org/ftp/docs/diesel/mack/procedure_and_ils/T-13/il23-01-T13.pdf)

Distribution: Email

## Revises 8048-21a

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

### Revise section 11.6.3

11.6.3 *Percent Increase in Viscosity at 40 °C from 300 h to 360 h*—Calculate the **transformed** percent increase in viscosity at 40 °C according to Eq 3 by measuring the viscosity at 40 °C and test hours 300 h and 360 h respectively in accordance with section 10.3.1. Report the transformed ~~final~~ percent change on the appropriate form. If the delta between the 360 h and 300 h results is negative, report a value of zero **without any correction factors or severity adjustments** for the final transformed result **on the appropriate form**.

$$KV40PC_{Transformed} = \sqrt{100 \times \frac{KV40_{360} - KV40_{300}}{KV40_{300}}} \quad (3)$$

#### *Add Section 11.6.3.1:*

**11.6.3.1 Correction Factor for Percent Increase in Viscosity at 40 °C from 300 h to 360 h**—For all reference tests on cylinder liner batch B and subsequent liner batches, correct the result from 11.6.3 by adding a correction factor of 0.857 to get the corrected transformed result. For non-reference oil tests completing on or after August 28<sup>th</sup>, 2023, correct the result from 11.6.3 by adding a correction factor of 0.857 to get the corrected transformed result.