

# MACK-Volvo Surveillance Panel Meeting Notes

## 04/23/2025 @ 3:00 PM EST

### Attendees

SwRI: Robert Warden, Isaac Leer, Jose Starling

Oronite: Josephine Martinez

Afton: Brent Calcut, Joseph Hoehn, Cory Koglin, Amanda Stone, Bob Campbell

Infineum: Andrew Smith (Chairman), Todd Dvorak, Michael Madalian

Intertek: Garrett White (Secretary), Khaled Elnagi

Lubrizol: Austin Brininger, Phil Scinto

Exxon Mobil: Mike Shea

TMC: Sean Moyer

TEI: Derek Grosch

### Agenda

- TMC 824 Matrix Results Discussion
- Volvo T-13 New Hardware Testing Update
- CLOG T8E – ISB Viscosity Equivalency ASTM Funding Request

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### *Action Items and Key Points*

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- **Motion carried to accept the targets proposed of 48.03 for IRPH and 3.699 for SQRT(PVIS) for reference oil 824. Standard deviations of 11.8 for IRPH and 0.97 for SQRT(PVIS) will apply. Both targets and standard deviations will have an effective date of 4/23/2025.**
- **Motion carried to temporarily suspend 824 for use of calibration in the T-13.**
- CLOG is seeking labs availability to conduct 3 (three), 108-hour ISBVIS and 4 (four), MACK T-8E tests. The targeted completion date for all tests is by August 2025.

## Summary of Discussion

### Volvo T-13 TMC New Reference Oil (RO) 824 Matrix Results Discussion

- 4 labs participated, each lab completed 2, back-to-back tests on RO 824 in the same stands.
- Group of 6 tests closer to the expected target, 2 results were quite mild on peak height oxidation (IRPH) and 300-360 hour percent viscosity increase SQRT(PVIS)
- Intended target for RO 824 is around the VDS 4.5 limits. Results of all 8 tests were mild of the intended target on both IRPH and SQRT(PVIS).
- Phil Scinto presented the statisticians review performed on April 10, 2025.
- No change in ICF is currently recommended. However, liner batch D is directionally more severe than Liner C, may consider change to ICF's to account for severity difference.
- Recommended targets and standard deviations are as follows:
  - Parameter = Target / Standard Deviation
  - IRPH = 48.03 / 11.8
  - SQRT(PVIS) = 3.699 / 0.97
- Labs voiced concerns around calibration status of stands that ran and could potentially not calibrate.
- Another concern raised is that the 2 mild runs (25% of the data set) are concerning and skewing the target calculations.

**Bob Campbell motions to accept the targets proposed of 48.03 for IRPH and 3.699 for SQRT(PVIS) for reference oil 824. Standard deviations of 11.8 for IRPH and 0.97 for SQRT(PVIS) will apply. Both targets and standard deviations will have an effective date of 4/23/2025.**

*Austin Brininger seconded the motion.*

Afton: Yes

Lubrizol: Yes

SwRI: Yes

Intertek: Waive

Oronite: Yes

TMC: Yes

Exxon: Yes

TEI: Waive

Infineum: Waive

***Motion carried***

**Andrew Smith motions to temporarily suspend 824 for use of calibration in the T-13.**

*Joseph Hoehn seconded the motion.*

Afton: Yes

Lubrizol: Yes

SwRI: Yes

Intertek: Yes

Infineum: Yes

Oronite: Yes

Exxon: Yes

TMC: Waive

TEI: Waive

***Motion carried***

#### **Volvo T-13 New Hardware Testing Update**

- In the previous meeting, hardware group EAAAAA motioned for approval to run with RO 823-1. If level 2 ei limits are met, hardware would be a rolling change and allows other stands to use mid-reference period on candidate testing.
- New hardware testing status by lab:
  - Lab's B and D: Underway
  - Lab A: Expected to start May-June
  - Lab G: Expected to start early-mid May

#### **T-8E – ISB Viscosity Equivalency ASTM Funding Request**

- Statisticians group recommendation for matrix shared.
- 3, 108-hour ISBVIS tests and 4 MACK T8-E, would prefer all T8E runs from same lab
- Start date is as soon as possible.
- August 2025 is expected completion date.

#### **Next Meeting Date/Time**

To be determined

Meeting adjourned at 4:39 PM EST