

Mack / Volvo Surveillance Panel Meeting

January 30, 2025

David Brass (chair)

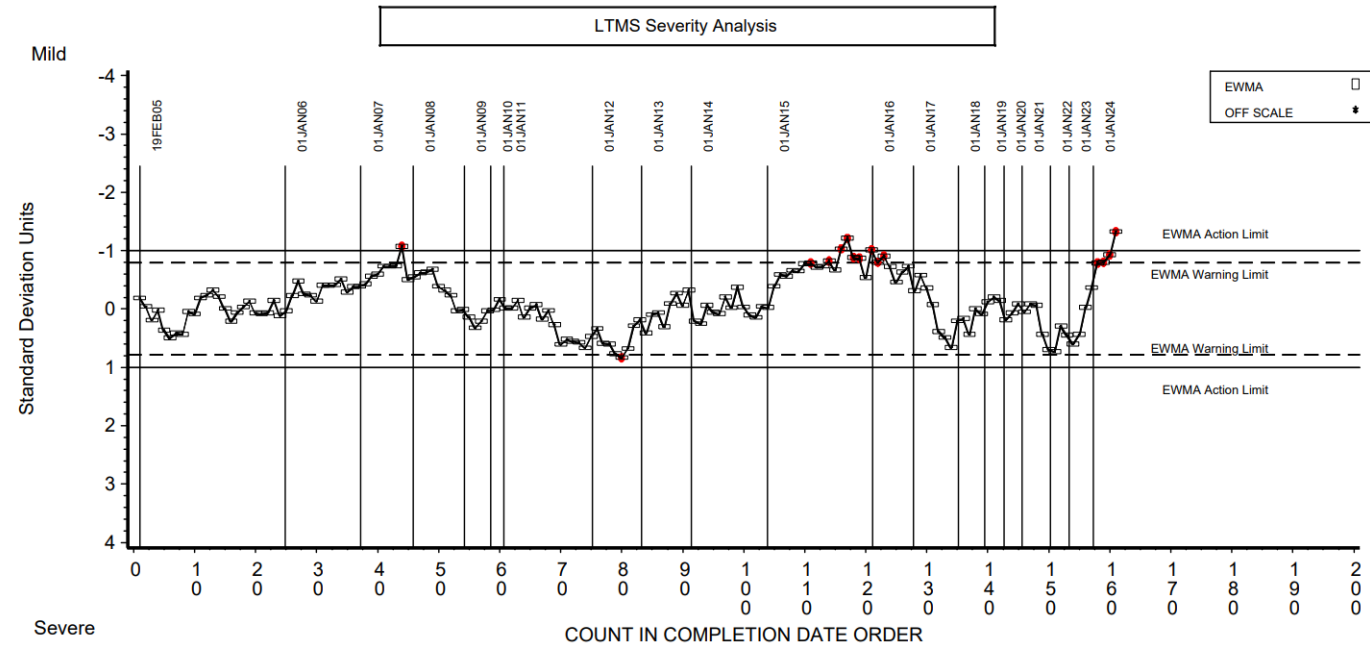
Agenda

- Mack T-12 Reference Testing Statistical Review
- Volvo T-13 New Reference Oil Testing Check In
- Volvo T-13 Parts Timelines
- AOB

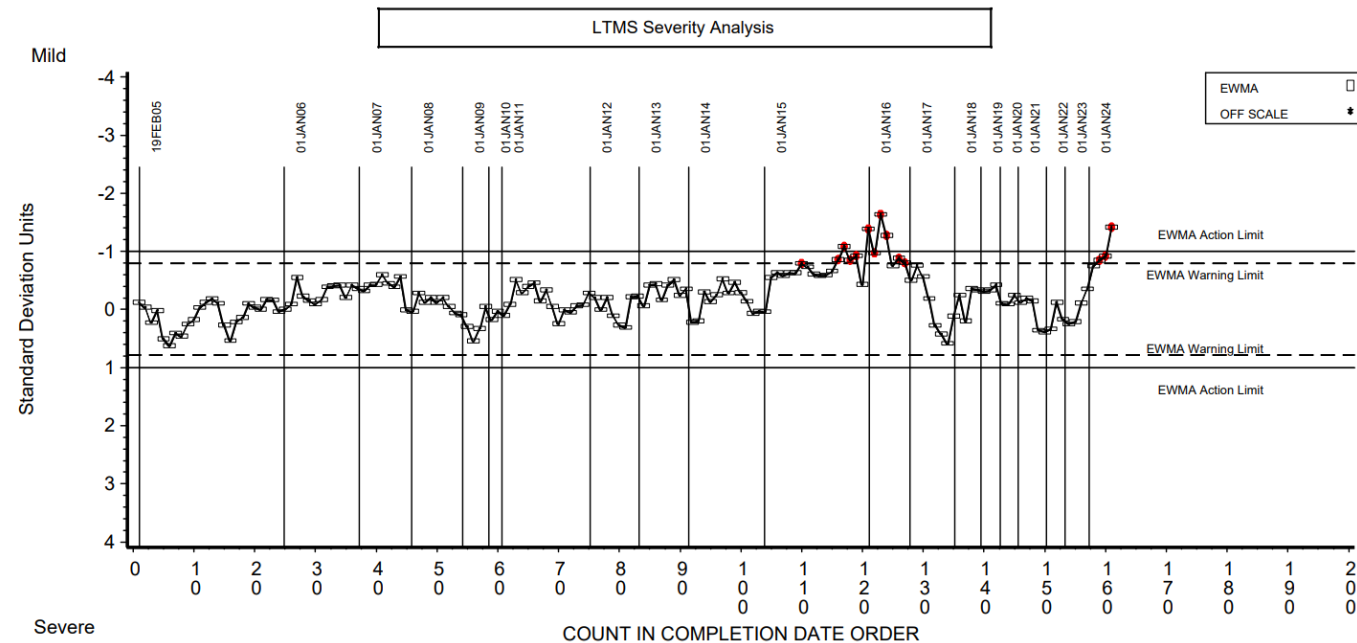
Mack T-12

- Both PB (EOT) and PB2 (250-300 hr) parameters are currently in severity action alarm in the Mild Direction
- Test has experienced both new parts batch (YFZQWB) and new coolant (Chevron Delo Extended Life) introductions recently

Trans. Res. Delta PB @ EOT



Trans. Res. Delta PB 250-300Hr



Operational Review of Mack T-12 Tests

- Review held on December 2 and contained
 - Tests with Chevron Delo Extended Life Coolant
 - Tests with Parts Batch YFZQWB
 - Prior Tests with Parts Batch X(FsubE)YPWB
- No convincing operational difference found for use of Chevron Delo Extended Life coolant

Statistical Review of Mack T-12 Tests

- Separate Presentation

Volvo T-13 Reference Oil Matrix Testing

Lab A / Stand 4	Lab B / Stand 3	Lab D / Stand 1	Lab G / Stand 2
TMC 824	TMC 824	TMC 824	TMC 824
TMC 824	TMC 824	TMC 824	TMC 824

Both tests must be conducted in the same stand and run consecutively (no candidates in between)

Reference Oil Timing Updates from Dec 19, 2024 Meeting:

Lab A: Started Test 1 on December 19, 2024

Test 1 completed on January 4, 2025

Lab B: Start beginning of January

Lab D: 1st test running, expected completion ~ Dec 25, 2024

Test 1 completed on December 27, 2024

Lab G: Start early January

Current Reference Status

Lab	Stand	Reference Date	Date Reference Expires
A	2	3/5/24	1/16/25
A	4	4/20/23	3/23/24
A	8	10/4/24	8/4/25
B	3	6/3/24	4/3/25
D	1	3/3/25	1/3/25
D	2	5/4/24	3/4/25
G	1	7/4/24	5/4/25
G	2	7/22/23	5/22/24
G	3	5/2/25	3/2/25

Volvo T-13 Parts

- TEI is actively trying to obtain batches of the following parts:

Part	Batch	Part Number	Production Expectation
Liner	E	21334768	3000 received by TEI
Piston	A	21170742	Mid February 2025
Piston Pin	A	20569833	<i>Production Complete</i>
Top Ring	A	21251596	Production Week 8 (February 21, 2025)
2 nd Ring	A	20590309	Production Week 8 (February 21, 2025)
Oil Ring	A	20568155	Production Week 8 (February 21, 2025)

All parts batches are expected to be delivered by March 2025. Goal would be to reference all new parts batches together upon delivery and screening by TEI. **Can a coordinated reference be planned for these parts starting in March/April.**

Other Parts at TEI

- **231 Brazil ring sets are currently in stock (38 kits)**
- **188 Batch D liners are currently left (31 kits)**

Expected to last through March when batched parts arrive.

Change of Surveillance Panel Chair

- I wanted to thank everyone for the opportunity to lead this Surveillance Panel as Chair since Dec 2020.
- As I have moved to a new role at Infineum I will be stepping down as chair at the conclusion of this meeting.
- Andrew Smith of Infineum will be stepping in as the new Chair of the Mack/Volvo Surveillance Panel commencing today.