

**Sequence VH Surveillance Panel Call
August 22, 2024, Webex**

Roll Call:

Afton: B. Maddock, A. Stone
XOM: H. Marie
Ford: M. Deegan, R. Zdrodowski
GM: T. Cushing
Haltermann: I. Mathur
IMTS S. Clark
Infineum J. Anthony, T. Dvorak, A. Ritchie (Chair)
Intertek A. Lopez, J. Franklin
Lubrizol T. Catanese
OHT: J. Bowden
Oronite: R. Affinito, J. Martinez
Shell: J. Hsu
SwRI D. Engstrom, T. Kostan, P. Lang
TMC: R. Grundza
TEI: D. Lanctot
Valvoline: A. Sawant

Chair's Comments

- Meeting minutes from August 8th are posted.
- Chair Ritchie started the meeting and outlined the agenda items:
 - Calibration Test Update
 - Fuel Inventory & New Batch Status
 - O&H Update

Calibration Test Update

- There have been a couple of failed tests.
- Calibration tests have been running severe on 931 (some of that is from the target for 931 is set high.)
- The last 1011-1 calibration test was a standard deviation severe.
- SwRI completed a calibration test with 931.
 - AES = 7.87
 - Yi = -.2
 - OSC = 84%

Fuel Inventory & New Batch Status

- There are 70,000 gallons of fuel remaining in rail cars.

Lab Fuel Inventory Status

- IAR: Two full tanks of -19 fuel.
- SwRI: Similar quantity on-site as IAR but has -14.
- Afton: Has two tanks -15 & -19.
- Lubrizol: One tank of -14.

New Batch Status

- SP Fuel Committee and Haltermann are finalizing the price based on required number of precision matrix tests.
- SP committee is modifying the contract language before sending to Haltermann for final negotiation.
- Haltermann is moving ahead with new batch development. Haltermann to send fuel batch documentation to SP members describing history and naming convention. (DONE)
- It is planned to start the precision matrix with the new fuel by end of September.

O&H Update

Camshaft Failure

- IAR failed another set of camshaft bearings at start of test.
 - The engine lost oil pressure on the right side and made noise early on in test.
 - First engine to fail with King bearings.
 - The heads were built according to new guidelines.
 - The bearing clearance was checked using Plastigage.
 - Sealant applied to camshaft caps.
 - The camshaft was rotated to check for binding.
- No other labs have experienced failed camshaft bearings using King bearings.
- IAR has ran roughly 30 tests without a camshaft bearing failure.

Hardware Supply

- New piston order was placed 2 weeks ago.
- The final price, including shipping, will be communicated when the pistons are received.
- The committee is researching piston ring suppliers.

OSC Rating

- Afton's rater reached out to other raters.
 - Those raters are rating OSC the same as Afton.
 - Two labs are using grid templates to calculate % area clogged.

The meeting ended at 9:30 am EDT.

The meeting next will be held on 9/5/2024 9am EDT.