

**Sequence VH Surveillance Panel Call  
May 02, 2024, Webex**

**Roll Call:**

Afton: B. Maddock  
Valvoline: A. Savant  
Ford: M. Deegan, R. Zdrodowski  
BP: B. Hochkeppel  
XOM: M. Herve, M. Scudiero, P. Rubas  
Haltermann: W. Hairston, E. Hennessy, I. Mathur  
Infineum: J. Anthony, T. Dvorak, A. Ritchie (Chair)  
Intertek: A. Lopez  
Lubrizol: T. Catanese, G. Szappanos  
GM: T. Cushing, B. Cosgrove  
OHT: J. Bowden  
Oronite: J. Martinez, R. Affinito, R. Stockwell  
SwRI: D. Engstrom, M. Lochte, P. Lang, M. Birke  
TMC: R. Grundza  
TEI: D. Lanctot  
Shell: J. Hsu

**Chair's Comments**

- Meeting minutes from 4/11 are posted.
- Chair Ritchie started the meeting and outlined the agenda items:
  - 1) Fuel contract team update
  - 2) Haltermann update on movement of fuel from tank to rail cars to labs
  - 3) O&H report
  - 4) Old business
  - 5) New business
  - 6) Next call scheduled for Thursday May 16th 9AM Eastern

**Fuel Supply Update**

**New Batch Update**

- Fuel contract committee has been meeting with Haltermann.
- Fuel contract committee unanimously agrees that,
  - Haltermann will supply the new fuel batch.
  - Haltermann will blend 400,000 gal at Monument Chemical and store fuel in Baytown.
  - Storing the fuel at Baytown allows Haltermann to monitor the fuel batch more frequently.
- The Fuel contract committee is discussing the next test matrix procedure now that there is an additional lab.
- Haltermann is committed to having a tank ready by mid-August to store the new batch.
- The tank will utilize a floating roof that will be serviced, cleaned, isolated.
- Haltermann has requested a PO, however, Haltermann will start working on it before the contract is in place due to long-term relationship with members.

### **Current Batch Quantity Update**

- Currently there are 12 calibrated test stands
- Fuel was delivered (8 trucks to labs) (12 trucks to rail cars) 10 ppm AO was added before shipping to trucks and rail cars have 15 psi of N2 blanket.
  - IAR received 2 truckloads.
  - SwRI has 3,000 gallons.
- Current batch estimated to last through Q1 2025.
- Afton received delivery of fuel and has sent sample out for analysis.

### **AO Update**

- Haltermann is going to report AO on quarterly analysis report.
- The committee has agreed that D7525 is not a good method for this application.

### **O&H Report**

#### **O&H Procedural Actions Agreed to by O&H Committee to be Balloted,**

- 7.5.6.1, Step 4 for Automated Parts Washer and Ultrasonic set of instructions.
  - Blockage of coolant passages is left to the discretion of the laboratory.
- 7.6.2 Clarify that insulation from intake manifold should be removed.
  - Also allow for modification to butterfly to be plugged for idle control.
- 7.6.10 Add TEI as a supplier for oil separators to A12.6
  - *A12.6 Oil Separator:*  
F47E- 6A785-AA Oil Separator  
Supplier TBD
- 7.7.6.1 Allow for front covers to be cleaned in the ultrasonic cleaner. Remove the last sentence.
- 7.7.4 Add suggestion to use RYDLYME heat exchanger and dyno cleaner.
  - <https://www.apexengineeringproducts.com/product/rydlyme-biodegradable-descaler/>
- 7.8.2 Require an anaerobic sealant with Loctite found to be suitable (Red 518)
- 7.8.4.1, Step 3: Correct the hone order to 2, 4, 1, and 3.
- 7.8.4.1, Step 5: Change Ra units from  $\mu\text{m}$  to  $\mu\text{in}$ .
- 7.8.4.1, Step 5: Require that torque plates remain in place when measuring surface.
- 7.8.5.2, Step 2. Allow for file grinder to dress piston rings.
  - *“(2) After the rings are cut remove the ring from the cutting tool, deburr and wipe with a dry towel. A Sunnen soft stone<sup>22,13</sup> or needle file have been found suitable.”*

- Chair: Motion to approve O&H Procedural Actions.
  - No objections from other VH SP members.
- Motion seconded by IAR.
  - No objections.
- Chair: The motion carried and moved to ballot.

### Ballot Results

Afton:	B. Maddock	Approved
Valvoline:	A. Savant	Approved
XOM:	P. Rubas	Approved
BP:	B. Hochkeppel	Approved
Lubrizol:	T. Cantonese	Approved
IAR:	A. Lopez	Approved
SwRI:	D. Engstrom	Approved
Ford	M. Deegan	Approved
GM:	R. Cosgrove	Approved
Infineum	J. Anthony	Approved
TMC:	R. Grundza	Approved
TEI:	D. Lanctot	Approved
Shell:	J. Hsu	Approved
Haltermann:	W. Hennessy	Approved
OHT:	J. Bowden	Approved

- Chair: Motion to instruct Haltermann to blend a new 400,00 gallon batch of fuel.
  - No objections from other VH SP members.
- Motion seconded by IAR.
  - No objections.
- Chair: The motion carried.

#### Hardware

- Ford ordered pistons through TEI.
  - Overstock from previous batch will be distributed to labs as needed.
- IAR is low on left-hand camshafts.
  - Right-hand camshafts are readily available.

#### Operations

- Surface data and Operational data will be submitted to TMC to look for statistical trends.

#### Old Business:

Request for an update on status of the new fuel specifications during the next meeting

#### New Business:

None

Meeting concluded at 10.25 am EDT