

Unapproved Minutes of the October 2, 2012  
Sequence VG Surveillance Panel Meeting  
Conference Call

The meeting was called to order by Chairman Andy Ritchie at 2:00 PM.

A list of the attendees on the call is included as attachment 1.

Minutes: Chairman Ritchie asked Mike McMillan to take the minutes for this Conference Call. Jason Bowden made a motion to approve the minutes from the September 4, 2012 Conference Call. Ed Altman seconded the motion. The motion passed unanimously. Chairman Ritchie postponed a motion for approval of the minutes from the March 29, 2012 meeting in Corpus Christi, Texas until the next VG meeting. As discussed during the last call, both original and revised copies of the minutes are on the TMC web site, and it was agreed that once meeting minutes are approved, only the final version will be maintained on the TMC web site.

Chairman Ritchie asked Rich Grundza to provide an update of the testing which is under way to introduce reference oil 940 as a replacement for oil 925-3, which is nearly depleted and cannot be reblended. Rich reported that there are now 4 test results on oil 940, 2 supplier results and 2 donated results. The individual results and their means are shown below:

<b>Lab</b>	<b>AES</b>	<b>RAC</b>	<b>AEV</b>	<b>APV</b>	<b>OSCR</b>	<b>OSCR Ti</b>
A	6.47	8.48	8.97	7.6	40	3.7136
G	6.34	7.7	8.82	7.12	90	4.5109
G	6.64	8.70	9.07	8.04	90	4.5109
A	6.34	8.11	8.52	6.75	12	2.5649
Mean	6.45	8.25	8.84	7.38	45.83	3.8251
925-3	6.49	7.43	8.56	7.38	53	3.997

Looking at the means of the various parameters, AES and APV are very close and identical, respectively, to the means for oil 925-3, while the means for RAC, AEV, and OSCR are slightly milder than the means for oil 925-3.

Rich's full report is attached to these minutes. Rich also indicated that he would like to see tests donated from the other 2 labs so that the TMC can combine these data with the results from the two oil supplier-provided tests and the 2 donated tests already completed and then propose interim calibration acceptance targets for oil 940. Afton indicated they would try to start a test before the end of October; Lubrizol indicated that they are not currently calibrated.

Wayne Peterson from Haltermann reported that they currently have about 110K gallons of VG fuel in storage. The usage rate seems to be about 11K gal/mo, and at that usage rate, the storage tank will be at a level allowing a new fuel blend to begin in 3-4 months. This will allow time for the new fuel batch to be blended, tested and approved for use before the current batch is depleted entirely. With regard to the new fuel batch, Wayne reported that Haltermann already have the critical blend components in storage, and they have conducted the first pilot blend.

Under New Business, Ron Romano reported that Ford has been running some 'VH' development tests in 2 stands – one at SwRI and one at Intertek. Two full length tests on oil 940 have been conducted to date, both of which came out slightly mild. Two additional tests are under way with a revised cycle in an attempt to increase sludge severity. Ford is working on putting a parts list together, and is also working with OHT to identify and assemble a list of critical parts. Ron invited the other labs to visit SwRI and/or Intertek to see their "VH" stands, if they are interested in doing so.

Next Meeting: Chairman Ritchie stated that he was going to continue monthly Sequence VG calls at 2:00 PM ET on the first Tuesday of each month for the foreseeable future. The next scheduled call is Tuesday, November 6.

## **Attachment 1**

### **Attendees during 10/2/2012 Sequence VG Surveillance Panel Call**

Afton – Ed Altman

BP – Timothy Miranda

Ford - Ron Romano

GM – Robert Stockwell

Haltermann – Wayne Peterson

Infineum – Andy Ritchie, Doyle Boese , Mike McMillan, Gordon Farnsworth

Intertek – Al Lopez

Lubrizol – Jerome Brys, Chris Mileti, Jessica Buchanan

OHT – Dwight Bowden, Jason Bowden, Matthew Bowden

SwRI – Raham Kirkwood

TMC – Rich Grundza



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# ***Test Monitoring Center***

<http://astmtmc.cmu.edu>

## **Sequence VG 940 Results**

**Sequence V Surveillance Panel**

**October 2, 2012**

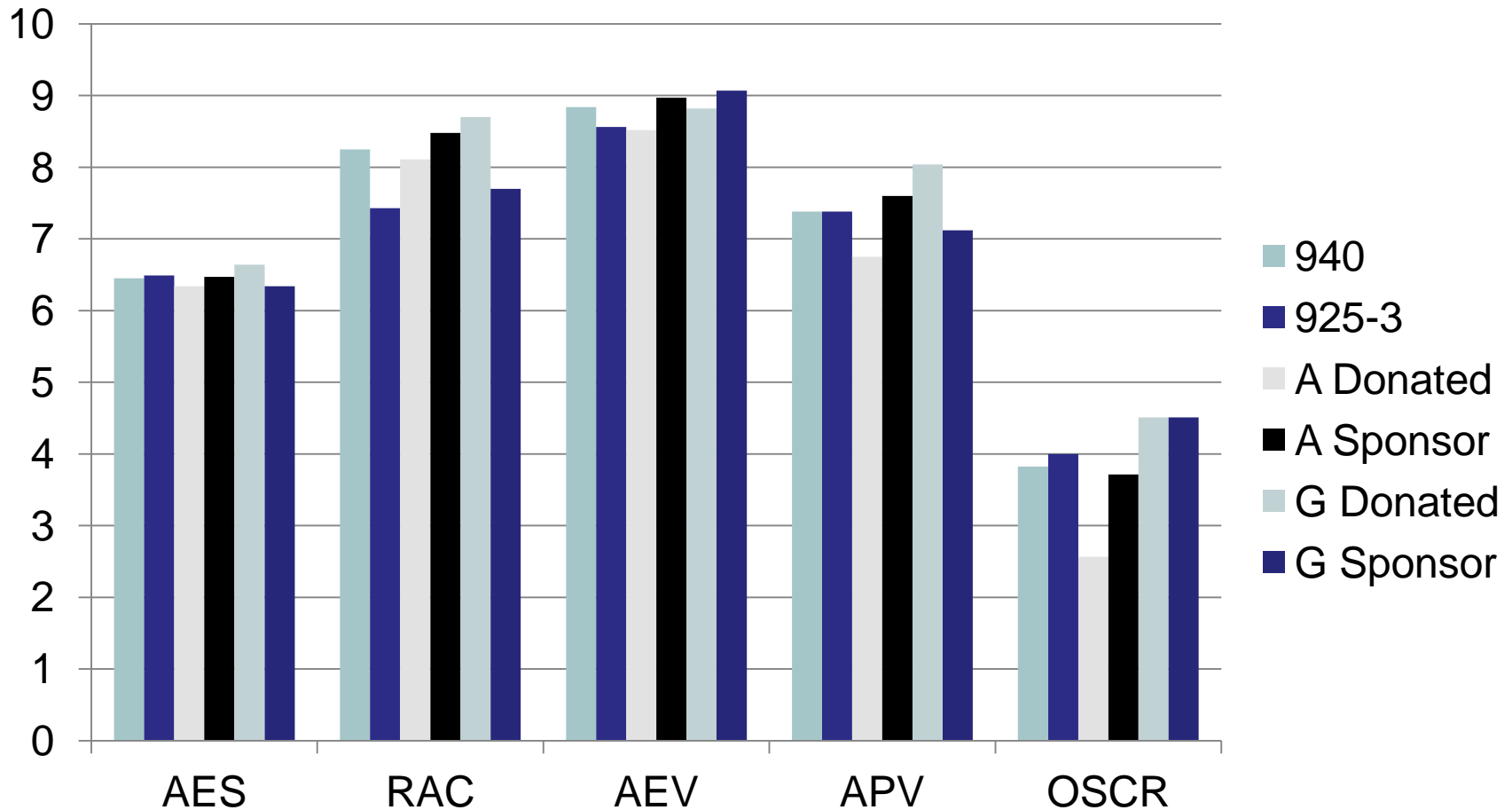
# Summary of Results

- 4 tests reported from 2 labs
- 2 supplier results, 2 donated
- Summary in next few slides

# Target Values

Lab	AES	RAC	AEV	APV	OSCR	OSCRTi
A	6.47	8.48	8.97	7.6	40	3.7136
G	6.34	7.7	8.82	7.12	90	4.5109
G	6.64	8.70	9.07	8.04	90	4.5109
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# Comparison of Mean Performance of 940 (n= 4) with 925-3 targets





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## SVGMII Rebuild Report

Confidential Do Not Share

Mark Overaker

Director of Manufacturing and Supply Chain

Haltermann Products

October 5, 2012

# Rebuild Report Agenda

- Fuel Inventory – October 2012
  - 110,116 gallons
- Fuel Quality
  - Last adjustment 09/27 for RVP maintenance
- Consumption rate
  - Average rate is approx. 11K gal/mo since Jan. 2012
- Timeframe to next batch
  - November 2012 – January 2013 time frame
  - Rate dependent
- Rebuild Plans
  - Action level at 70K gal – Industry notice?



# Haltermann Action to Date

- Rebuild Plans
  - Pilot blend on going in Lab
    - Test lab blend for CofA parameters
      - Completed - CofA data confirmed
    - Test lab blend for sludge formation properties
      - In progress - Initial results are positive
  - Critical Raw Materials procured
    - Critical RM's purchased and in inventory
  - Rebuild plans formulated with Nixon site
    - Verifying “critical” levels – set at 65 K gal heel
    - Reviewing permit constraints – IFR can sit on roof jacks for 24 hours max.
  - ISO's in place for contingency inventory

