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## **Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

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These are the unapproved minutes of the 02.04.2013 Sequence VI Surveillance Panel meeting.

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The meeting was called to order at 10:00 AM by Chairman Charlie Leverett.

### Agenda

The Agenda is the included as **Attachment 1**.

#### 1.0 Roll Call

The Attendance list **Attachment 2**.

## 2.0 Approval of minutes

2.1 Approval of the minutes of the 11.19.2013 meeting.

**Motion – Accept the minutes of the 11.19.2013 VID SP CC.**  
**Charlie Leverett, Rich Grundza, second. Unanimous.**

## 3.0 Action Item Review

- 3.1 OHT to report Vix engine usage.  
**There are 23 2009 and 126 2012 engines in inventory.** VIE engine life may be less than the VID so this quantity will be a concern, we will discuss in Old Business.
- 3.2 The VIE oil pan levels will need to be reviewed and specification add to the draft procedure. Measure of distance from bottom surface of oil pan tab to test full mark on oil pan. – **Those levels will be covered in old business.**
- 3.3 Find 0W-16 reference oil, see progress in the New Business below. GM procured oil and it has been sent to the Labs from TMC.  
**See Old Business.**
- 3.4 VIE Draft - Table 5 information which cannot be generated until sufficient testing/precision matrix has taken place (stats group).
- 3.5 VIE Draft - Consideration of the weighting of BLB2 and BLA for Candidate 1 & 2 calculations. It is based on the hours from Cand 1 & 2 evaluation relative to BLB2 & BLA evaluations. With aging moving from 16 plus 84 hours to 16 plus 109 hours, I believe the stats group may want to reconsider.
- 3.6 Request Stats Group to review the Afton fuel analysis.

## 4.0 Old Business

4.1 VIE engine life may be less than the VID, I have heard 10 tests may be all we can get out of a VIE?

**Some labs are still running dealer engines and there is dealer, donated and OHT engine data for reference oils. Lubrizol had one engine lose compression. IAR has one engine at 2700 hours. SwRI is running engines down to 1600 oil consumption. ExxonMobil has one dealer engine at 3200 hours but has reworked the heads and were not running additized fuel.**

**Action – SwRI has torn down a couple of engines for oil consumption review and will report on these findings.**

4.2 Obtaining 0W 16 reference oil – Bruce has obtained a 0W 16 oil and it will be shipped to Labs that agreed to participate. *Any questions or comments?*  
**Labs will run and present results on the 0W-16 oil.**

#### 4.3 VIE Oil Pan Levels Reported:

Afton 77, 78 & 79 mm  
IAR 73, 71 & 77, 75, 77 mm  
Lubrizol 77, 77, 77, 79 & 79 mm  
Ashland no data  
ExxonMobil no data  
SwRI 75, 77, 77, 78 & 79 mm

### 5.0 New Business

5.1 Currently the D7589 has the current wording concerning the fuel batch used in each test:

*7.2.2 Fuel Batch Usage/Documentation—A complete test shall be run on a single batch of test fuel.* If a new batch of test fuel is introduced to the laboratory fuel supply system, it shall be done between finite tests. Document the fuel batch designation in the test report. In cases where the run tank contains more than one fuel batch, document the most recent fuel batch in the report.

*Motion – 7.2.2 Fuel Batch Usage/Documentation—A lab should strive to complete test on a single batch of test fuel. If a lab is not able to complete a test on a single fuel batch, the lab may switch to the next available fuel batch. Fuel is consumed at the stand level on a first in-first out basis. Once a stand migrates to the next fuel batch, it can no longer use a prior batch. Document the fuel batch in use at the start of the test in the test report. In cases where the run tank contains more than one fuel batch, document the most prevalent fuel batch in the report.*

*Dave Glaenzer / Dan Worcester, second. The motions passes with TEI waive.*

5.2 TMC data will be separated for dealer and OHT engines. Afton has requested more oil be supplied for references with the higher initial oil charge on the VIE.

*Motion – TMC will supply 6.0 gallons of reference oil for the VIE tests.*

*Dave Glaenzer / Nathan Moles, second. Unanimous.*

*Action – TMC will review and dispose of consortium reference oils.*

### 6.0 Next Meeting or Conference Call

At the call of the Chairman

**Meeting Adjourned**

The meeting adjourned at 10:57 AM.

Sequence VI Surveillance Panel Conference Call  
Tuesday February 4<sup>th</sup> @ 1:00 CT  
Call-in #: 800-391-9177  
Pass Code: 4875645502

**Agenda**

**1.0 Roll Call**

**2.0 Approval of minutes 11/19/2013 meeting**

**3.0 Action Item Review**

3.1 OHT to report VI engine usage. There are \_\_\_ 2009 and \_\_\_ 2012 engines in inventory. VIE engine life may be less than the VID so this quantity will be a concern, we will discuss in Old Business.

3.2 The VIE oil pan levels will need to be reviewed and specification add to the draft procedure. Measure of distance from bottom surface of oil pan tab to test full mark on oil pan. – Those levels will be covered in old business.

3.3 Find 0W-16 reference oil, see progress in the New Business below. GM procured oil and it has been sent to the Labs from TMC, we will discuss this in Old Business.

3.4 VIE Draft - Table 5 information which cannot be generated until sufficient testing/precision matrix has taken place (stats group). Pending Precision Matrix

3.5 VIE Draft - Consideration of the weighting of BLB2 and BLA for Candidate 1 & 2 calculations. It is based on the hours from Cand 1 & 2 evaluation relative to BLB2 & BLA evaluations. With aging moving from 16 plus 84 hours to 16 plus 109 hours, I believe the stats group may want to reconsider. At this time I'd like to make a formal request for the Stats Group to review and report their findings to me.

3.6 Request Stats Group to review the Afton fuel analysis.

**4.0 Old Business**

4.1 VIE engine life may be less than the VID, I have heard 10 tests may be all we can get out of a VIE? Discussion

#### 4.2 VIE Oil Pan Levels Reported as-of 1/27/14:

Afton 77, 78 & 79 mm

IAR 73, 71 & 77, 75, 77 mm

Lubrizol 77, 77, 77, 79 & 79 mm

Ashland no data

ExxonMobil no data

SwRI 75, 77, 77, 78 & 79 mm

The spec is to be obtained from the mean reported value  $\pm 5$  mm

#### 4.3 Reports from Stats Group

#### 4.4 Pending Motion:

Motion – 7.2.2 Fuel Batch Usage/Documentation—A lab should strive to complete test on a single batch of test fuel. If a lab is not able to complete a test on a single fuel batch, the lab may switch to the next available fuel batch. Fuel is consumed at the stand level on a first in-first out basis. Once a stand migrates to the next fuel batch, it can no longer use a prior batch. Document the fuel batch in use at the start of the test in the test report. In cases where the run tank contains more than one fuel batch, document the most prevalent fuel batch in the report.

Dave Glaenzer / No Second/ This motion was tabled pending Stat Group review and will be covered in a conference call.

4.5 VIE LTMS Database – Rich has this close to completion and I have recommended the database only contain VIE reference oil tests run under the current configuration and using OHT VIE engines, any discussion?

### **5.0 New Business**

5.1 I have received the following message from Rich - Oil charge for VIE, some laboratories have requested additional oil for VIE type tests while others have not. With the introduction of report forms and data dictionary for VIE, the opportunity is there to supply a somewhat larger can that would accommodate somewhere around 5.5 or maybe 6 gallons. As it stands right now, the TMC shipping area is filling the five gallon cans almost to the top, but they still have to maintain some head room in the can. I'd like to discuss this during the next call and come to some understanding as to why there are differences between labs and what actions to take in the future.

**6.0 Next Meeting or Conference Call**  
At the call of the Chairman

**ASTM SEQUENCE VI**

Name	Address	Phone/Fax/Email	Attendance
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Austin Rhodes		Afton	YES
Addison		IAR	YES
Martin Chadwick		IAR	YES
Ricardo		Oronite	YES
Jo Mattinez		Oronite	YES
Zack Bishop		TEI	YES

