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

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Issued: October 14, 2015  
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These are the unapproved minutes of the 10.13.2015 Sequence VI Surveillance Panel call.

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The meeting was called to order at 8:00 AM Central Time by Chairman Nathan Moles.

### Agenda

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

#### 1.0 Roll Call

The Attendance list is **Attachment 2**.

## 2.0 Approval of minutes

- 2.1 Approval of the minutes of the 09.29.2015 meeting.

MOTION: Approve the minutes from the 09.29.2015 conference call.

[Dan Worcester, Nathan Moles, second] Approved unanimous.

## 3.0 Action Item Review

- 3.1 OHT to provide update on current VIE inventory and service engine order. –OHT  
There are 49 of the original order of engines remaining, and 144 service engines.  
OHT is still waiting for fixed cam gears.
- 3.2 Labs reported VID engine inventory and expected depletion date of VID engines.  
-Expected life of engines range from 2016 Q1 to 2018  
Lab1: 2 engines  
Lab2: 3 engines  
Lab3: 4 engines  
Lab4: 1 engines This will be an on-going effort. IAR found one more engine.

## 4.0 Old Business

- 4.1 List of items to be reviewed after the Precision Matrix  
Do we really need to run three RO tests to establish the new engine for LTMS?  
Discussion of reducing the new reference requirement to two oils, then a third oil run after a defined number of candidates.  
Discussion of using FEI 2 and FEI Sum for references to match candidate pass/fail criteria.  
Discussion of evaluating 80/20 ratio of BL before to after for FEI 1 and 10/90 for FEI 2.  
Should the acceptance bands value of 1.96 be rounded up? Due to the rounding on FEI 1 and 2 the actual pass limit is 1.91 and 1.92.  
-SP chair and test sponsor to investigate what is needed to establish VID equivalent limits for VIE.  
This will be an on-going effort.
- 4.2 Discussion on start of precision matrix [PM].  
-PCEOCP approved matrix design Oct. 8<sup>th</sup>.  
-Awaiting 5W-30 Tech 1.  
TMC has the new reference oil 5W-30 Tech 1 [now REO 544] and is working on analysis then will ship to labs. It will take 3-4 weeks for this cross blend analysis to complete.  
Lubrizol has one candidate then will prepare the stand for the PM. Afton has two more tests and will use the stand reviewed by TMC. Intertek has three more tests to complete.  
Ashland has one more test and can start the second week of November. SwRI also has one more test for the first stand and 3 more for the second stand. Further AOAP approval is not required as the motion was worded the PM could begin with PCEOCP approval.

- 4.3 Update from task force, to investigate alternative test procedure Sequence “VIF” that would improve 0W-16. – Dan Worcester/Satoshi Hirano [Intertek and SwRI can start the Sense Check on one stand at each lab the first week of November. Oil 400 \[now REO 543\] will ship to labs this week.](#)
- 4.4 Update from task force to investigate option to prolong usable life of the available VIE engines. –Adrian Alfonso/Bill Buscher [IAR has the short block and heads. There will be a Build Review at IAR 10.20.2015. The build procedure will be reviewed at the Surveillance Panel Face to Face Meeting in Detroit 10.27.2015. Rich has supplied an updated version on the TMC web site. There will also be a review of the number of blocks and heads needed for the industry based on the TMC survey.](#)

## **5.0 New Business**

- 5.1 Face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 at USCAR facility in Southfield MI. OHT is sponsoring.  
Call In Info Below:  
Phone Number: (712) 432-0927  
Code: 976140

## **6.0 Next Meeting.**

The next meeting would be 8:00 AM Central Time 10.20.2015.

The meeting adjourned at 8:21 AM.

# Sequence VI Surveillance Panel Conference Call Agenda October 13 @ 9:00-10:00AM EST

## Call-in information is included below:

Call-in Number: 866-528-2256  
Conference Code: 3744024

### 1.0) Roll Call

*Do we have any membership changes or additions?*

### 2.0) Approval of minutes

2.1 Approve the minutes from the September 29, 2015 Sequence VI Surveillance Panel.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIMinutes20150929Conference%20call.pdf>

### 3.0) Action Item Review

3.1 OHT to provide update on current VIE inventory and service engine order. –OHT

3.2 Update of VID engine inventory and expected depletion date of VID engines.

*-Expected life of engines range from 2016 Q1*

*Lab1: 2 engines*

*Lab2: 2 engines*

*Lab3: 3 engines*

*Lab4: 1 engines*

### 4.) Old Business

4.1 List of items to be reviewed after the Precision Matrix

-Do we really need to run three RO tests to establish the new engine for LTMS?

-Discussion of reducing the new reference requirement to two oils, then a third oil run after a defined number of candidates.

-Discussion of using FEI 2 and FEI Sum for references to match candidate pass/fail criteria.

-Discussion of evaluating 80/20 ratio of BL before to after for FEI 1 and 10/90 for FEI 2.

-Should the acceptance bands value of 1.96 be rounded up? Due to the rounding on FEI 1 and 2 the actual pass limit is 1.91 and 1.92.

-SP chair and test sponsor to investigate what is needed to establish VID equivalent limits for VIE

4.2 Discussion on start of precision matrix.

-PCEOCP approved matrix design Oct. 8<sup>th</sup>.

-Awaiting 5W-30 Tech 1.

4.3 Update from task force, to investigate alternative test procedure Sequence "VIF" that would improve 0W-16. – Dan Worcester/Satoshi Hirano

4.4 Update from task force to investigate option to use short blocks to supplement engine inventory. –Adrian Alfonso/Bill Buscher

## **5.) New Business**

5.1 Face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 at USCAR facility in Southfield MI. OHT is sponsoring.

Call In Info Below:

Phone Number: (712) 432-0927

Code: 976140

## **6.) Next Meeting**

Next Tuesday (reoccurring weekly meeting)

## **7.) Meeting Adjourned**

**ASTM SEQUENCE VI**

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