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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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Issued: September 29, 2015
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These are the unapproved minutes of the 09.29.2015 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 09.22.2015 meeting.

MOTION: Approve the minutes from the 09.22.2015 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.
- 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: 2 engines
Lab3: 3 engines
Lab4: 1 engines This will be an on-going effort and there was no change today.

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 Update start of precision matrix. Precision matrix design vote expected October 8th.
The PECOCP will meet and vote on the Precision Matrix 10.08.2015. TMC is still waiting for the new reference oil 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 TMC has reference oil 400 and will run analysis then ship to labs. Mark Adams asked about the history of the oil and coolant temperatures selected for VID testing. Rich Grundza referred him to the Surveillance Panel minutes of 08.10.2015 where SwRI presented this data for a 2012 Malibu during the FTP cycle. Hirano-san noted the 115 °C oil temperature was selected to be more severe on the oil.

- 4.4 Update from task force to investigate option to prolong usable life of the available VIE engines. –Adrian Alfonso/Bill Buscher IAR is waiting for a short block and heads to build an engine. Unless there is greater urgency there would be a build workshop early in 2016. Rich sent an email with a survey for the number of engines needed for GF-6 and GF-7.

I've been requested by the VIE/F VIE/F Engine Build Task Force, to survey the labs for quantities of VIE/F engines needed.

How many VIE engines do you currently have on hand: _____

How many engines do you anticipate needing for GF-6 (VIE and F) _____

How many engines do you anticipate needing for GF-7 _____

5.0 New Business

- 5.1 Tentative face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 in Detroit area. There are a couple of options on the meeting location for the face to face meetings. The Seq. VI SP and VIF Task Force would meet the afternoon of 10.27.2015.

- Tuesday, 10/27/15:
 - 9:00am-12:00pm Seq. IV Surveillance Panel Meeting + IVB Task Force Meeting
 - 12:00pm-1:00pm Lunch
 - 1:00pm-5:00pm Seq. VI Surveillance Panel Meeting + VIF Task Force Meeting

6.0 Next Meeting.

The Surveillance Panel will not meet on 10.06.2015. The next meeting will be after the PCEOCP vote on 10.08.2015. The next meeting would be 8:00 AM Central Time 10.13.2015.

The meeting adjourned at 8:20 AM.

Sequence VI Surveillance Panel Conference Call Agenda September 29 @ 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 22, 2015 Sequence VI Surveillance Panel.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIMinutes20150922Conference%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 Update start of precision matrix. Precision matrix design vote expected October 8th.

4.3 Update from task force, to investigate alternative test procedure Sequence "VIF" that would improve OW-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 Tentative face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 in Detroit area.

6.) Next Meeting

Next Tuesday (reoccurring weekly meeting)

7.) Meeting Adjourned

ASTM SEQUENCE VI

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Adrian Alfonso Voting Member	Intertek Automotive Research	Phone: (210) 838-0431 adrian.alfonso@intertek.com	ATTEND
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Timothy Caudill Voting Member	Ashland	Phone: (606) 329-5708 Tlcaudill@ashland.com	ATTEND
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Rich Grundza Voting Member	ASTM TMC	Phone: (412) 365-1034 reg@astmtmc.cmu.edu	ATTEND
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Dan Worcester Voting Member	Southwest Research Institute	Phone: (210) 522-2405 dan.worcester@swri.org	ATTEND

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