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Issued: April 26, 2016
Reply to: Dan Worcester
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These are the unapproved minutes of the 04.26.2016 Sequence VI Surveillance Panel call.

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The meeting was called to order at 8:02 AM Central Time by 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 04.05.2016 meeting.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIMinutes201600405ConferenceCall.pdf>

MOTION: Approve the minutes from the 04.05.2016 conference call.

[Nathan Moles, Dan Worcester, second] Minutes were approved unanimously.

3.0 Action Item Review

- 3.1 OHT to provide update on current VIE inventory and service engine order. –OHT
There are 13 -001 and 144 -002 engines.
- 3.2 Labs reported VID engine inventory and expected depletion date of VID engines.
-Expected life of engines range from 2016 Q2 to 2018
Lab1: 1 engine
Lab2: 0 engine
Lab3: 1 engines
Lab4: 1 engine
This will be an on-going effort.

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.
Consider evaluating FEI 1 vs 100% BLB2 (or 3) and evaluating FEI 2 vs 100% BLA.
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
Discussion of changing BLB1 to BLB2 delta acceptable limits.
Review impact of variable oil pressure of FEI (review prove out data to determine if it is stand or engine related)
- 4.2 Discussion on precision matrix. (Spreadsheet attached) –Rich Grundza/Labs
[SwRI will complete the 11th run this week. This will complete the Matrix.](#)

- 4.3 Update from task force, to investigate alternative test procedure Sequence “VIF” that would improve 0W-16. – Dan Worcester/Satoshi Hirano
SwRI and IAR have completed Sense Check # 2. The Stats Group has a meeting at 10:30 for review of the data. This will be discussed at the VIF TF call on 04.27.2016.
- 4.4 Update from task force to investigate option to use short blocks to supplement engine inventory. –Adrian Alfonso/Bill Buscher This is on-going. SwRI will finish a reference run on RO 542-2 that will be reported to TMC on one of these engines.
- 4.5 Discussion on face to face meeting following completion of precision matrix.
This is scheduled for 05.24 and 25 in Cleveland. There will be a pre-meet to prepare for the VIE Precision Matrix analysis on 05.17.2016.

5.0 New Business

- 5.1 Updated to VIE procedure:
Section 6.12.2 Engine oil – Locate the pressure tap for the engine oil pressure at the oil filter adapter return line from FIL-1. – Dan Worcester This was a minor technical discussion to ensure all labs had the same plumbing to FIL-1.
- 5.2 Where should the cleaning information go in the procedure? –Hap Thompson This will be part of the final procedure review.

6.0 Next Meeting.

The next meeting will be the 2 hour conference call on 05.17.2016.

The meeting adjourned at 8:26 AM.

Sequence VI Surveillance Panel Conference Call Agenda April 26 @ 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 April 5, 2016 Sequence VI Surveillance Panel.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIMinutes20160405ConferenceCall.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 Q3

Lab1: 0 engines

Lab2: 0 engines

Lab3: 1 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. Consider evaluating FEI 1 vs 100% BLB2 (or 3) and evaluating FEI 2 vs 100% BLA.
- 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
- Discussion of changing BLB1 to BLB2 delta acceptable limits.
- Review impact of variable oil pressure of FEI (review prove out data to determine if it is stand or engine related)

4.2 Discussion on precision matrix. –Rich Grundza/Labs

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

4.5 Discussion on face to face meeting following completion of precision matrix.

5.) New Business

5.1 Updated to VIE procedure:

Section 6.12.2 Engine oil – Locate the pressure tap for the engine oil pressure at the oil filter adapter return line from FIL-1. – Dan Worcester

5.2 Where should the cleaning information go in the procedure? –Hap Thompson

6.) Next Meeting

May 17th 2 hour conference call to review stats analysis
May 24th and 25th Lubrizol, Wickliffe Ohio

7.) Meeting Adjourned

ASTM SEQUENCE VI

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ASTM SEQUENCE VI

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