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Issued: 04.27.2017
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These are the unapproved minutes of the 04.26.2017 Sequence VI Conference Call.

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The meeting was called to order at 9:05 AM Central Time by Chair Greg Miranda.

Agenda

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

1.0 Roll Call

The Attendance list is **Attachment 2**. There were no member changes.

2. Approval of Meeting minutes from 03.28.2017 Seq. VI SP call.

- 2.1 Approve the Surveillance Panel minutes.
Greg Miranda made the motion and Bill Buscher seconded.
- 2.2 The minutes received unanimous approval.

3.0 Old Business

- 3.1 Update on April 10th AOAP/PCEOCP Meeting Greg Miranda
Greg attended this meeting. The VIF was approved for GF-6. There was discussion on the VID to VIF Toyota presentation. More testing will likely be required. There is more discussion in New Business. Approval was unanimous.
- 3.2 Review Seq. VI SP Scope and Objectives Greg Miranda
The Scope and Objectives are Attachment 3. These will be reviewed on a regular basis.
They are now posted on the TMC site at:
<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/memos/Sequence%20VI%20SP%20Scope%20%20Objectives.pdf>
- 3.3 Seq. VIE/F Short Block Hardware Task Force Update
The matrix has started. IAR has completed the first test and SwRI has the first test running. The 3rd lab will start the week of 04.24-28, and the 4th in July. The first IAR result was 0.71 severe on FEI 1 and 0.87 severe on FEI 2. Their second test is running. Each engine will run 5 tests.

The switch to GM Kit engines will take place this summer. All purchase orders are in place. Adrian noted it will be close to review and approve the data before the conversion. There was discussion on the build procedure developed during the workshop. Adrian made a motion to approve that procedure.

MOTION #1: Recommend to the Surveillance Panel to approve the VIE/VIF build procedure as is.

Adrian Alphonso, Second: Dan Worcester Result: Unanimous pass

3.3.1 **Action Item:** VIE/F build procedure posted to TMC site. This is done. Adrian

3.3.2 **Action Item:** Labs to report stand availability to start Short Block Hardware Matrix

OHT noted there are 45 OHT-2 engines remaining. Use has dropped off in Q1 of 2017. These should last about 4 months at current rates. Three labs will complete matrix testing in mid-June so the recommendation is to review those results at the next panel meeting. All labs have the first shipment of Kit engines. The second order will ship this summer.

- 3.4 Update on BL5 Introduction Rich Grundza
One lab has completed their runs. The second lab will complete next week. There will be an E ballot for approval to use BL5 for testing.

4.0 New Business

4.1 Open Discussion: Sequence VID-VIF Equivalence

4.1.1 Proposals/Ideas/Options currently on the table

The presentation was made at the AOAP meeting. The response was to ask the Surveillance Panel for options and ideas to move forward. The Panel can supply technical input. There will be a CLOG meeting 05.10 to discuss options.

4.1.2 Toyota VID-VIF Equivalency Proposal

Teri commented that if more data is needed that the original VID matrix oils 200 or 300 could be blended again. Oil 400 is now reference oil 543 and available as needed. 55 gallons drums would be blended of the selected oil.

4.1.3 Desire for more data

There was discussion on how to get more data. If more tests are to be run they should be on the OHT-2 engines while still available. SwRI and IAR could run more tests on calibrated VIF stands. Todd noted that the HTHS test could give a prediction of response. The Stats Group will review available data and make recommendations. Rich noted that only oil 542 is common to both test types. Hirano stated this method was temporary until GF-6 is approved. There is limited 543 data.

4.1.4 Infineum offer to sponsor three Seq. VIF test runs (3/28/17)

Oronite also agreed during the meeting to sponsor tests, probably 3 as well. IAR and SwRI noted they were about 6 weeks from having stands available. Andy asked if this could be moved up. SwRI has done that and stand 61 that was used in the VIF matrix will be available about 05.10.2017. Adrian will check and respond. There would be 4 tests, two at each lab on calibrated VIF stands. Rich noted all labs are required to run a 5th donated reference test on calibrated stands so more 543 data will be available. Andy requested another call be scheduled in a week to update on the matrix. Greg is collecting notes to move forward. The matrix will run re-blended oil 200 and reference oil 543.

5.0 Next Meeting

5.1 The next SP meeting is planned for June. There will be a call for the matrix before the next meeting.

The meeting adjourned at 10:34 AM.

Sequence VI Surveillance Panel Conference Call Agenda

April 26, 2017 @ 10:00-11:30 EST

Audio Connection

Call-in Number: +1-415-655-0001
Conference Code: 192 986 357

Webex Meeting URL:

<https://meetings.webex.com/collabs/#/meetings/detail?uuid=MAYWY5S9825ZLTUHLVM6PXE5L5-20XT&rnd=297483.54892>

1. Roll Call (start 10:05 EST)

1.1. *SP Membership changes and additions*

2. Approval of Meeting minutes from March 28, 2017 Seq. VI SP meeting

3. Old Business

3.1	Update on April 10 th AOAP/PCEOCP Meeting	Greg Miranda
3.2	Review Seq. VI SP Scope and Objectives	Greg Miranda
3.3	Seq. VIE/F Short Block Hardware Task Force Update 3.3.1 Action Item: VIE/F build procedure posted to TMC site 3.3.2 Action Item: Labs to report stand availability to start Short Block Hardware Matrix	Adrian Alfonso
3.4	Update on BL5 Introduction	Rich Grundza

4. New Business

4.1. Open Discussion: Sequence VID-VIF Equivalence

4.1.1. Proposals/Ideas/Options currently on the table

4.1.1.1. Toyota VID-VIF Equivalency Proposal

4.1.1.2. Desire for more data

4.1.1.3. Infineum offer to sponsor three Seq. VIF test runs (3/28/17)

5. Next Meeting

5.1. *TBD*

6. Meeting Adjourned

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VOTES			

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Haiying Tang Voting Member			
Dan Worcester Voting Member			
VOTES			

ASTM SEQUENCE VI SURVEILLANCE PANEL

SCOPE & OBJECTIVES

SCOPE

The Sequence VI Surveillance Panel is responsible for the surveillance and continual improvement of the Sequence VID test, documented in ASTM Standard D7589 as updated by the Information Letter System, and the Sequence VIE and VIF tests, currently in the process of being established as industry available standards. Test precision data will be solicited and evaluated at least every six (6) months for all Sequence VI test procedures. The Surveillance Panel is to provide options for continual improvement of test operation, test monitoring, and test validation while maintaining effective communication with the test sponsors, independent test laboratories, ASTM Test Monitoring Center, the central parts distributor/s, fuel supplier/s, ASTM B0.01 Passenger Car Engine Oil Classification Panel, ASTM Committee B0.01, the ACC Monitoring Agency, and the ASTM Deposit/Distress Workshop. Strategies to ensure the continual improvement of associated test methods are to be recommended through previously stated groups, Surveillance Panel members, and industry governing bodies. It is the mission of the Surveillance Panel to ensure that technical credibility is maintained for all Sequence VI test methods in the evaluation of lubricant oil fuel economy performance.

OBJECTIVES

TARGET DATE

Monitor critical Sequence VID/E/F hardware availability	Ongoing
Prepare and introduce VIE/F short block hardware	Ongoing
Monitor Sequence VID/E/F tests	Ongoing

Greg Miranda,
Chairman, Sequence VI Surveillance Panel

Updated 03/29/2017