

Minutes of the Sequence VIF Task Force Teleconference Call

December 02, 2015 08:00 CST

The twelfth meeting of the Sequence VIF Task Force was called to order by Chairman Dan Worcester at 08:00 CST. The meeting Agenda is included as Attachment 1. The meeting attendance roster is included as Attachment 2.

Chairman Worcester opened the meeting with a few general comments concerning the meeting teleconference passcode. Dan will resend the meeting notice in Microsoft Outlook® with the correct information and schedule the calls into January, 2016.

The minutes from the November 25, 2015 meeting were approved as written and are available on the ASTM-TMC web site. Motion for approval by Dan Worcester, second by David Glaenzer.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20151125.pdf>

Southwest has reported their first test to the ASTM-TMC with no engine hour corrections applied. Results were 1.75/2.33/4.08 for FEI 1, FEI 2 & FEI Sum, respectfully for RO 543. Southwest's second test (RO 542-2) will complete 12/02 and should be reported 12/03. IAR reported that they are continuing to shake-down their "Sense Check" stand and anticipate starting their first test during the week of 12/07. Both labs will have second stand ready by the end of the initial "Sense Check" testing.

Richard Grundza of the ASTM-TMC will see about creating a folder for "VIF" tests in the database.

Guy Stubbs will create a spreadsheet that can be distributed showing key test results.

Candidate 2 oil samples from the first two SRI tests for additional analyses have been delivered to IAR.

The next call will be held on Wednesday, December 09 at 08:00 CST.

Having no further business, the meeting was adjourned at 08:17 CST.

Respectfully submitted,

David L. Glaenzer, Afton Chemical Corporation

GF-6B Sequence VIF Task Force
12.02.2015

ATTACHMENT #1
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Toll-free dial-in number (U.S. and Canada):
(866) 588-1857
International dial-in number:
(678) 373-4882
Conference code:
1908975

Scope

The ASTM Sequence VI Surveillance Panel requested a Task Force be formed to determine if the Sequence VIE could be used for OW 16 oils. The TF will look at development of the VIF test using 100 °C oil temperature and 94 °C coolant temperature for stages 1, 3, 4, and 6.

Objective

Review the Toyota proposal attached and work on selection of reference oils, stands to support testing, and running the Sense Check and test matrices.

The agenda for this meeting is shown below, if you have any additions please send them to me and Cc this distribution.

- 1.0 Chairman's Comments
- 2.0 Roll Call
- 3.0 The VIF Task Force was discussed as part of the Surveillance Panel 11.11.2015. Here are the SP Minutes for review:
<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20151125.pdf>
- 4.0 Oil 543 is at the labs.
- 5.0 The matrix for VIF testing has been chosen. SwRI has completed a test on RO 543. Here is the matrix:

Run	EOT Hour	SwRI#1	SwRI#2	IAR#1	IAR#2
1	350	543	1011	542-2	1011
2	550	542-2	542-2	543	543
3	750	542-2	1011	543	1011
4	950	543	543	542-2	542-2
5	1150	1011	543	1011	542-2
6	1350	543	1011	543	1011
7	1550	542-2	542-2	1011	543
8	1750	1011		542-2	

Stage 1 Sense Check Runs will be tested in 2 engines/2 labs

Stage 2 Sense Check Runs will be tested in the other 2 engines/2 labs

TMC543 - Oil 400

5.1 Additional Chem for FEI 2 for the matrix

ICP D-5185
TAN D-664
TBN D-4739
FTIR IIIG METHOD E-168
VIS D-445

5.2 All chemical analysis be done at IAR and be reviewed at the completion of Sense Check tests.

5.3 FEI 1, 2 and Sum for first test on RO 543:

FEI1 vs. (0.8 BLB2 + 0.2 BLA)	1.75%	1.75%
FEI2 vs. (0.1 BLB2 + 0.9 BLA)	2.33%	2.33%
FEI Sum		4.08%

Second test on 542-2 will EOT 12.02.2015

6.0 Next meeting will be Conference Call on 12.09.2015.

