

Minutes of the Sequence VIF Task Force Teleconference Call

November 25, 2015 08:00 CST

The 11th 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.

The minutes for the last meeting are posted at the TMC web site.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20151111.pdf>

Southwest Research has transmitted their first test to TMC.

Intertek Automotive Research will start their first test during the week of November 30.

Both labs will have second stand ready by the end of the initial "Sense Check" testing.

Additional analyses of the Candidate 2 used oil sample will be done at IAR. SwRI has delivered the first FEI 2 sample for analysis.

The next meeting will be a conference call 12.02.2015 at 8:00 AM Central Time.

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

Respectfully submitted,

Dan Worcester,



# **GF-6B Sequence VIF Task Force**

## **11.25.2015**

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/VIMinutes20151111.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/2labs**

TMC543 - Oil 400

5.1 Additional Chem for FEI 2 for the matrix

ICP D-5185  
TAN D-664  
TBN D-4739  
FTIR IIIIG 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:

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

6.0 Next meeting will be Conference Call on 11.25.2015.

ATTACHMENT 2

Name	Affiliation
Adrian Alfonso	Intertek <b>ATTEND</b>
Amol C Savant	Ashland
Andrew Ritchie	Infineum
Charlie Leverett	Intertek
Chris Castanien	Nesteoil
Cliff Salvensen	ExxonMobil
Cole Hudson	SwRI
Dan Worcester Jr.	Chairman, SwRI <b>ATTEND</b>
David Glaenzer	Secretary, Afton Chemical
Denny Gaal	ExxonMobil
Doyle Boese	Infineum <b>ATTEND</b>
Eric Liu	SwRI
Gordon Farnsworth	Infineum <b>ATTEND</b>
Guy Stubs	SwRI <b>ATTEND</b>
Jason Bowden	OH Technologies <b>ATTEND</b>
Jim Linden	Toyota <b>ATTEND</b>
Jo Martinez	Chevron
Kaustav Sinha	Chevron
Kevin OMalley	Lubrizol <b>ATTEND</b>
Mark Adams	Tribology Testing <b>ATTEND</b>
Mark Mosher	ExxonMobil <b>ATTEND</b>
Martin Chadwick	Intertek
Matthew Bowden	OH Technologies <b>ATTEND</b>
Michael Conrad	Lubrizol
Mike McMillan	Infineum <b>ATTEND</b>
Nathaniel Moles	Lubrizol <b>ATTEND</b>
Patrick Lang	SwRI
Ray Burn	ExxonMobil
Rich Grundza	ASTM Test Monitoring <b>ATTEND</b>
Robert Stockwell	Oronite <b>ATTEND</b>
Ron Romano	Ford Motor Company
Satoshi Hirano	Toyota <b>ATTEND</b>
Teri Kowalski	Toyota
Timothy Cushing	General Motors <b>ATTEND</b>
Todd Dvorak	Afton Chemical
Tracy King	Haltermann
Valerie Lieu	Chevron <b>ATTEND</b>
William Buscher	Intertek <b>ATTEND</b>
Bob Campbell	Afton
Mike Ragomo	ExxonMobil
Travis Kotan	SwRI <b>ATTEND</b>

10/07/15	10/14/15	10/21/15	11/11/15
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JONAS LEBER G M EUROPE  
 THOMAS G M EUROPE