

Minutes of the Sequence VIF Task Force Teleconference Call

December 16, 2015 08:00 CST

The fourteenth 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 at 08:00 CST and had no opening comments.

The minutes from the December 09, 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/VIFTaskForceMinutes20151209.pdf>

"Sense Check" testing continues on one stand at Southwest Research. Three runs are complete (RO 543, RO 542-2 and a second RO 542-2). Runs that have been reported to the ASTM-TMC are available at: <ftp://ftp.astmtmc.cmu.edu/refdata/gas/vif/data/>

SRI is running their fourth test with RO 543. Intertek Automotive Research is starting their first test with RO 542-2 on Thursday, December 17. Used oil samples are being delivered to IAR to complete additional testing as noted in Agenda Item 5.1. Mr. Guy Stubbs of SRI is creating a spreadsheet with results and analytical data that will be distributed to the group. Following the initial four tests at the two labs, the Stats Group will assess the data.

Much discussion was held concerning holding a stand for future testing or allowing a lab to remove the test engine and seal it from atmospheric influences in order to preserve it for re-installation on the stand. This led to discussion of the intent of the D 7589, the Sequence VID procedure which requires an engine that has been removed from the stand to undergo an ASTM reference oil calibration test when re-installed on the same stand. This item will become a discussion item for the Sequence VI Surveillance Panel. In the interim, it was generally agreed that it is up to the lab's discretion whether they remove and seal an engine for reuse or if they allow it to remain on the stand. David Glaenzer offered to poll the labs as to their practices that are employed when they have Sequence VI engines that have been idle for some period of time. Most labs do some sort of "run-in" prior to starting the reuse of an engine after extended downtime. This polling of the labs is intended to bring some standardization to the practice.

The next call will be held on Wednesday, January 6 08:00 CST.

Having no further business, the meeting was adjourned at 08:32 CST.

Respectfully submitted,

David L. Glaenzer, Afton Chemical Corporation

GF-6B Sequence VIF Task Force 12.16.2015

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(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 12.09.2015.
Here are the SP Minutes for review:
<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20151209.pdf>
- 4.0 Oil 543 is at the labs.
- 5.0 The matrix for VIF testing has been chosen. SwRI has completed the first three tests, 543 and 542-2 twice. IAR will start their first oil this week [542-2].

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.

6.0 Next meeting will be Conference Call on 01.06.2016.

Attachment 2

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

	11/11/15	12/02/15	12/09/15	12/16/15
	P	P	P	P
V		P		
V	P			
V				
		P	P	
V				
	P	P	P	P
V	P	P	P	P
	P	P	P	P
V	P			P
V	P	P		P
V		P		P
V		P		P
V		P	P	P
	P	P	P	P
		P	P	P
	P	P		
V		P	P	P
V	P	P		P
		P		
V	P	P		
	P		P	P
		P		
V	P	P		P
				P
	P	P	P	