

Minutes of the Sequence VIF Task Force Teleconference Call

October 21, 2015 08:00 CDT

The ninth meeting of the Sequence VIF Task Force was called to order by Chairman Dan Worcester at 08:00 CDT. 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 relative to preparation for the upcoming VIF Sense Check testing.

The minutes from the October 14, 2015 meeting were approved as written and are available on the ASTM-TMC web site. Motion for approval by Bill Buscher, second by Dan Worcester.

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20151014.pdf>

The affable Richard Grundza reported that ASTM RO 543 (was Toyota VID matrix oil 400) has shipped and should be in the Sense Check labs, along with the other needed oils by end of week.

Agenda Item 5.0 provides detail of the run order for the Sense Check Part 1 & Part 2 testing as well as the remainder of the matrix. Once the first four tests are run in one stand at each of the San Antonio labs, the data will be analyzed. If acceptable, we will proceed with running additional tests. Details of the Sense Check Evaluation are available in the corrected minutes from the September 2 Sequence VIF Task Force conference call. Presentation (Att. 3) is titled GF-6 VIF Precision Matrix, slides 7 & 8.
<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes20150902%20Correted.pdf>

Engine 11 is defined as stand 1 at SRI, Engine 21 is stand 2 at SRI, Engine 12 is stand 1 at IAR & Engine 22 is stand 2 at IAR. Both labs anticipate starting testing during the Week of November 9. Stand 22 at IAR will be a newly built stand.

Additional used oil analysis data was reviewed and confirmed. Analysis will be at one location, Intertek Automotive Research.

As many members will be in the Detroit area next week for Surveillance Panel meetings, there will not be a Sequence VIF Task Force meeting.

The next teleconference will be November 4 at 08:00 CST.

Having no further business, the meeting was adjourned at 08:16 CDT.

Respectfully submitted,

David L. Glaenzer, Afton Chemical Corporation

GF-6B Sequence VIF Task Force
10.21.2015

Toll-free dial-in number (U.S. and Canada):
(866) 588-1857
International dial-in number:
(678) 373-4882
Conference code:
2894131

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 Approval of Minutes from Meeting 10.14.2015
<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencevi/minutes/VIFTaskForceMinutes201501014.pdf>

- 4.0 Oil 543 is being shipped and will be available for the matrix.
- 5.0 The matrix for VIF testing has been chosen. IAR and SwRI will update on start dates at each lab for the Sense Check. Here is the matrix:

Run	EOT Hour	Engine 11	Engine 21	Engine 12	Engine 22
1	350	Oil 400	TMC1011	TMC542-2	TMC1011
2	550	TMC542-2	TMC542-2	Oil 400	Oil 400
3	750	TMC542-2	TMC1011	Oil 400	TMC1011
4	950	Oil 400	Oil 400	TMC542-2	TMC542-2
5	1150	TMC1011	Oil 400	TMC1011	TMC542-2
6	1350	Oil 400	TMC1011	Oil 400	TMC1011
7	1550	TMC542-2	TMC542-2	TMC1011	Oil 400
8	1750	TMC1011		TMC542-2	

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

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

- 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 SwRI recommends all chemical analysis be done at IAR and be reviewed at the completion of Sense Check tests on whether to continue. VID and VIE only run VIS on new and FEI 2 samples.

6.0 Face to face meeting for Seq. VI SP scheduled in the afternoon on 10/27 at USCAR facility in Southfield MI. OHT is sponsoring.
Call In Info Below:
Phone Number: **(712) 432-0927**
Code: **976140**

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 Glaezer	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

	09/23/15	09/30/15	10/07/15	10/14/15	10/21/15
	P	P	P	P	P
V		P		P	
V		P	P	P	
	P	P			
V				P	
V					
V	P	P	P	P	P
V	P	P	P	P	P
	P	P		P	
	P	P			
		P	P	P	P
V	P	P	P	P	P
V		P			
	P	P	P	P	P
	P		P		P
	P	P		P	P
	P		P	P	
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		P		P	
V	P		P		
		P	P	P	
		P		P	
V	P	P	P		
	P	P	P	P	
				P	
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			P		
			P		P
		P	P	P	P