

Sequence III Surveillance Panel Teleconference Meeting Minutes

February 26, 2013

11:00 EST

1.0 Attendance

1.1 Membership Changes

Tracey King replaces James Carter as the member for Haltermann Solutions.
Hai Ying Tang replaces Tracey King as the member for Chrysler LCC.

1.2 Request for voting membership

The following individuals requested and were granted voting member status for their respective organizations:

Jeff Kettman, GM Racing
Teri Kowalski, Toyota Motor North America
Greg Shank, Volvo

1.3 Attendance

The attendance is shown in Attachment 1.

2.0 Approval of minutes

The corrected minutes from February 12, 2013 were approved without objection.

3.0 Action Item Review

3.1 01/31/13 – D. Boese waiting to see if additional RO 434/RO434-1 FTIR data becomes available.

This item will undergo a final review at the April 2, 2013 meeting.

3.2 02/12/13 – OHT to provide information on potential depletion date of Batch 10 rings. Bowden, J

This item was completed prior to the teleconference with Jason Bowden indicating enough hardware is available to last for about 5 months.

4.0) Old Business

4.1 Southwest Research to report on their work with cylinder head valve seat replacement.

This topic will be reviewed at the April 2, 2013 meeting.

4.2) Review of negative votes on IIIF LTMS change from 02/12/2013 meeting.

This item was the primary reason for the teleconference. On the Feb. 12 teleconferences, 3 negative votes were received on the following motion to modify the IIIF LTMS:

"George (Szappanos) made the motion (Pat Lang, second) to temporarily eliminate for 3 months (unless undone by panel prior to 3 months) all precision actions for PVIS for the IIIF, effective February 12, 2013. The motion carried 5-3-3."

Following the guidelines for revisions to the LTMS, those who cast negative votes were given the opportunity to state the reasons for their concerns after a two-week waiting period:

Ron Romano, Ford - stated that he felt that passing the motion would allow to test to run out of control.

Hai Ying Tang, Chrysler - expressed concerns that no root cause analysis been done.

Bruce Matthews, GM - reviewed GM's previously distributed concerns, shown in Attachment 2.

Jeff Clark, TMC - reviewed the TMC's previously distributed concerns, shown in Attachment 3.

The panel Chair then asked if anyone had questions on these statements; no question were forthcoming. The Chair then asked George Szappanos, the originator of the motion, if he'd like to comment. George offered the following:

George Szappanos, Lubrizol:

- We find ourselves in uncharted territory. Due to the increased severity of the test, the original targets for severity and precision are no longer appropriate.
- Also due to the severity, there exists a PVIS dip, which if a lab happens to find themselves in, they would incur substantially higher variability.

After further consideration of the counter arguments Lubrizol agrees that it would be in the best interest of the test to leave the precision limits unchanged, therefore Lubrizol's vote is negative.

After George's comments, the Chair called the question on the original motion. The roll call vote, shown below by organization, resulted in the motion failing by a vote of 1-11-6. As such, the IIIF LTMS was not modified.

Affirmative - SwRI

Negative - Volvo, Afton, Ashland, TMC, Toyota, GM, BP Castrol, Infineum, Ford, Lubrizol, Chrysler

Waive - OHT, GM Racing, TEI, Intertek, Oronite

5.0) New Business

Bruce Matthews of GM announced that there will be a GM IIIH test informational meeting following the next ASTM Seq. III meeting on April 2, 2013.

6.0) Review Scope and Objectives

The S & O will be reviewed at April 2, 2013 meeting.

7.0) Next Meeting

The next meeting of the Seq. III Panel will be on April 02, 2013 at 09:00 CDT. Southwest Research Institute will host the meeting in Building 209.

8.0) Meeting Adjourned

The teleconference adjourned at approximately 11:25 am.

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Name/Address	Phone/Fax/Email		Signature
Ed Altman Afton Chemical Corporation 500 Spring Street Richmond, VA 23219 USA	804-788-5279 804-788-6358 ed.altman@aftonchemical.com	Voting Member	Present <input checked="" type="checkbox"/> <i>Represented by B. Campbell</i>
Art Andrews ExxonMobil Products Research 600 Billingsport Rd. Paulsboro, NJ 08066 USA	856-224-3013 arthur.t.andrews@exxonmobil.com	Non-Voting Member	Present _____
Zack Bishop Test Engineering, Inc. 12718 Cimarron Path San Antonio, TX 78249-3423 USA	210-877-0223 210-690-1959 zbishop@tei-net.com	Non-Voting Member	Present <input checked="" type="checkbox"/>
Doyle Boese Infineum 1900 E. Linden Avenue Linden, NJ 07036 USA	908-474-3176 908-474-3637 doyle.boese@infineum.com	Non-Voting Member	Present <input checked="" type="checkbox"/>
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Jason Bowden OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 USA	440-354-7007 440-354-7080 jhbowden@ohtech.com	Voting Member	Present <input checked="" type="checkbox"/>
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ASTM Sequence III Surveillance Panel (17 Voting members)

date:

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<p>Bill Buscher III Southwest Research Institute 6220 Culebra Road P.O. Box 28510 San Antonio, TX 78228 USA</p>	<p>210-522-6802 210-684-7523 william.buscher@swri.org</p>	<p>Non-Voting Member</p>	<p>Present <input type="checkbox"/></p>
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ASTM Sequence III Surveillance Panel (17 Voting members)

date:

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Jeff Clark Sequence III Secretary ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 USA	412-365-1032 412-365-1047 jac@atc-erc.org	Non-Voting Member	Present <input checked="" type="checkbox"/>
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ASTM Sequence III Surveillance Panel (17 Voting members)



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Bruce Matthews	248-830-9197	Voting Member	Present <u>✓</u>

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Thomas Smith	859-357-2766	Voting Member	Present _____

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date:

Name/Address	Phone/Fax/Email		Signature
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Greg Shank ✓ VOTING

JIM LINDEN ✓

JESSICA BUCHANAN ✓

ANDREW PATENSKI ✓

ROBERT STOCKWELL ✓

ATTACHMENT 2

GM Negative Rationale against Suspension of IIF PVIS Precision Alarms 2-26-13

1. An industry IIF PVIS precision issue does not exist therefore there is no reason to suspend the precision alarms. Reference: IIF Laboratory Control Charts for PVIS.pptx
2. Based on the IIF Lab Control chart information put together by the TMC on Feb. 12 Lab B1 has a much higher occurrence of precision alarms. This indicates to me that there is a problem at this lab that needs to be addressed at that lab not by removing the precision alarms for all labs. Reference: IIF Laboratory Control Charts for PVIS.pptx
3. Root cause analysis is not complete and a report has not been issued to the Surveillance Panel. Insufficient lab test stand investigation information has been forthcoming from the lab requesting suspension of the precision alarms. Removal of precision alarms is not trivial and a full report should be distributed to the Surveillance Panel before such a motion is called.
4. The purpose of precision alarms is not to punish the test lab. Precision alarms are put in place to ensure test quality for candidate oils. GM understands the consequences of a precision alarm that are shouldered by the test lab but candidate oil quality is a much higher priority.



ATTACHMENT 3

Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 13-009

DATE: February 22, 2013

TO: Seq. III Surveillance Panel

FROM: Jeff Clark

SUBJECT: Proposed Suspension of Seq. IIIF LTMS PVIS Precision Alarms

On the February 12, 2013 Seq. III Teleconference, the TMC voted negative on the proposal to temporarily suspend the precision alarms for the Seq. IIIF PVIS. The purpose of this technical memo is to provide an explanation to the surveillance panel regarding the TMC's vote. The TMC's understanding of the primary rationale given for the proposed suspension of precision alarms is that the current IIIF industry severity issues are the cause of a lab's precision alarms; and since the severity issue is currently beyond test lab control, applying the precision alarms unfairly penalizes the test lab.

The TMC has several concerns about relaxing the LTMS requirements for the reasons discussed in the following sections: the protection of candidate test results; the equitable treatment of test labs; and the fact that the need for suspended precision alarms no longer exists.

The Protection of Candidate Test Results

The primary function of the LTMS is to detect both large abrupt and small long term changes in test severity and precision. This detection and the subsequent requirement for additional reference tests helps ensure candidate tests are not run during abnormal severity or poor precision conditions. Occasionally, the means by which the LTMS accomplishes this is to restrict candidate testing through the application of precision alarms. While this is never pleasant, it should be noted that these actions are not intended to penalize test labs, but rather to protect candidate results, *regardless of the source of the testing variability*. Multiple parties within the surveillance panel have expressed concern that the IIIF is not producing accurate candidate results for PVIS. Given that, the TMC believes it is counterproductive to modify the LTMS, even temporarily, simply to allow a lab to run more candidate tests. In short, the LTMS is trying to do its job to protect candidates; relaxing the requirements circumvents this and would only expose more candidates to the current PVIS problem.

Additionally, the TMC believes that anecdotal evidence already exists for how relaxing IIIF LTMS requirements during times of difficult testing has not improved test quality, and may in fact, be contributing to the current PVIS situation. As shown in presentations to the surveillance panel, when oil 1006-2 was removed from reference testing, the LTMS lost its ability to detect a severe shift and this may have allowed candidate tests to be run while masking an industry severity trend. It is noteworthy that the motivation to remove 1006-2 was that test labs were having difficulty calibrating with that oil. Removing the precision alarms will likely compound this situation rather than fix it.

In summation on this particular point, the TMC believes that making changes to the LTMS for convenience sake does not resolve testing problems but instead damages candidate test quality.

The Equitable Treatment of Test Labs

A review of all active test lab precision charts (distributed prior to the Feb. 12 teleconference) indicates differences, both historically and currently, in precision status between the test labs. This difference seems to belie the notion that the PVIS severity trend is the sole cause of a single lab's precision alarms. Relaxing the LTMS requirements for an issue currently being experienced at only one lab would run counter, in the TMC's opinion, to the ideal of treating all labs equitably based upon their performance.

The Need for Suspension of Precision Alarm No Longer Exists

Shortly following the February 12 teleconference, the test lab in question removed a IIIF stand from the system. The most recent reference test associated with that stand, which was not followed by any candidate tests, was removed from the lab control chart. The result is that the test lab is no longer in precision alarm. Given the absence of need, there seems no cause to change the IIIF LTMS.

The TMC hopes that this explanation has made it easier to understand its concerns and its rationale for voting negative on the proposed LTMS change. Please contact me if you have any questions.

JAC/jac/mem13-009.jac.doc

c: Frank M. Farber, TMC
TMC Engineering

Distribution: Email