

**Sequence III Surveillance Panel  
Teleconference Minutes  
March 17, 2011**

The teleconference began at 11:00 a.m. Eastern.

**1.0) Roll Call**

1.1) Membership

Mr. Phil Rabbat, Principal Scientist, Performance Chemicals at BASF Corporation, Tarrytown, NY has requested membership. Mr. Rabbat has been added as a non-voting member.

Mr. Larry Hamilton has requested his removal from the membership.

1.2) The meeting attendance is shown in **Attachment 1**.

**2.0) Approval of minutes**

2.1) Minutes from the following meetings were approved without objection (**motion:** Leverett, Bowden):

January 19, 2010 Surveillance Panel Meeting in San Antonio, TX  
February 10, 2011 Teleconference (LTMS V2 Negatives)  
March 3, 2011 Ad Hoc Teleconference (Unified Engine Build)

**3.0) Action Item Review**

3.1) 09/11/2009 (Glaenzer/Grundza) conduct a round robin to study Phosphorus measurement for IIIGB test.

STATUS: OPEN

3.2) 05/12/2010 Stats group to look at LTMS V2 as applied to IIIF.

STATUS: This has been dropped as an action item.

3.3) 12/16/2010 Chairman to draft letter to ILSAC/OIL pertaining to IIIG data generated thus far with RO 1010. This was corrected to send letter to ASTM PEOCP, and is the letter is shown in **Attachment 2**.

STATUS: DONE

#### **4.) Old Business**

##### 4.1) PCEOCP meeting and response to SP concerns with RO 1010

On Feb. 23, Dave Glaenzer had reported back that the class panel requested that the push to introduce RO 1010 be put on hold.

##### 4.2) Request to change wording in D7320 Section 6.10.5 (oil filter replacement).

Greg Seman request a change as shown in **Attachment 3**, attached. After much discussion, a straw poll was taken which showed support for having Lubrizol and TMC revise the wording regarding oil filter replacement and to distribute the final proposed wording for a potential e-ballot or meeting discussion.

#### **5.) New Business**

##### 5.1) Lab concerns with P/F performance of Sequence IIIF RO 1006-2.

Labs are having trouble passing reference tests 1006-2. Rich Grundza updated the panel on recent reference activity. TMC has sampled and investigated the oil twice in the last 18 months and no irregularities have been found.

**Motion:** (Leverett, Buscher) to suspend use of 1006-2 pending task force review of pvis calculation methods and a report from the oil supplier. This motion passed with one waive (TMC). **Action:** Dave Glaenzer will form a task force.

**Motion:** (Leverett, Buscher ) to remove operationally valid failing 1006-2 references from control charts, back to most recent operationally valid 433-1 test. This motion passed with one waive (TMC).

**Action:** Labs are encouraged to share oil filter delta data with Greg Seman or Rich Grundza for tests that went TVTM for oil 1006-2.

**Action:** Panel to look for a replacement reference oil, perhaps in the 275% vis increase range.

##### 5.2) Use of UEB engines being assembled week of 04/04/2011.

The UEB will be held w/o April 4<sup>th</sup> at Intertek. Seven engines will be built (one spare which will belong to Intertek if not needed). Much discussion

took place regarding testing details. Oil selection (and other details) were postponed to future discussion.

## **7.) Next Meeting**

7.1) Teleconference tentatively set for March 31, 2011 at 11:00 am Eastern.

The meeting adjourned at 12:20 p.m.

## **ATTACHMENT 1**

TELECONFERENCE

ASTM Sequence III Surveillance Panel (17 Voting members)

date: 3/17/2011

Name/Address	Phone/Fax/Email	12 Voting	Signature
Ed Altman Afton Chemical Corporation 500 Spring Street Richmond, VA 23219 USA	804-788-5279 804-788-6358 <a href="mailto:ed.altman@aftonchemical.com">ed.altman@aftonchemical.com</a>	Voting Member	Present <u>YES</u>
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ASTM Sequence III Surveillance Panel (17 Voting members)

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~~M. SWIDER G.M. YES~~  
 B. B. OLREE YES

## **ATTACHMENT 2**

Mr. Thom Smith  
Chairman, Passenger Car Engine Oil Classification Panel

At a teleconference held on Thursday, December 16, the Sequence III Surveillance Panel chose to not set targets for the new GF-5 category reference oil 1010. The group was uncomfortable with the variability of the seven data points generated to date; mostly with the variability of PVIS and oil consumption. It was noted that there were three attempts to run the oil that resulted in early terminations due to high oil consumption. Additionally, the average WPD performance of the seven tests is somewhat below the GF-5 level, but is within the expected variability of the parameter.

As Chairman of the Sequence III Surveillance Panel, I have been asked to share the Panel's concerns with the Passenger Car Oil Classification Panel as the PCEOCP requested a GF-5 category oil for IIIG use. I have attached a file from the ASTM-TMC summarizing the available data.

Five tests were run at labs utilizing "common", second run-on-block hardware. One of the labs had to repeat the test as their first attempt was terminated early for oil consumption issues.

A sixth test was completed at another lab that had oil consumption issues with the initial second run-on-block test and a subsequent second run-on-block test. That lab provided data from a first run block using hardware different from the other five.

Supplier data is also included for a total of seven operationally valid tests.

The SP chose to review results that were subjected to "continuous severity adjustments"; adjustments were applied even if the lab did not surpass the threshold level for severity adjustment application.

General consensus was reached by Industry Statisticians that the ASTM-TMC analysis was probably about the best that could be done with the data at hand.

The panel recognized the need for additional data. Attempts to bring the oil into use and gain that data were met with resistance. If the oil is used and the targets are wrong, lab severity adjustments could be made in error. The bottom line is that more data is needed.

The Panel requests guidance and/or funding of further testing.

*David L. Glaenger*

Sequence III Surveillance Panel Chairman  
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## **ATTACHMENT 3**

3/18/2011

Seq III Oil Filter Repalcement Take 2.htm

**From:** Seman, Greg [Greg.Seman@Lubrizol.com]  
**Sent:** Monday, February 28, 2011 2:01 PM  
**To:** Glaenzer, Dave  
**Subject:** Seq III Oil Filter Repalcement, Take 2

Dave,

Here is some new verbiage regarding oil filter replacement during the test. Basically, what we are trying to do is allow the filter to be changed before the pressure builds which restricts flow, and before the media fails which allows unfiltered oil to pass through the engine.

*When the real-time oil delta pressure value exceeds the average of the test's first hour delta pressure by 10kPa, the oil filter may be replaced. This could happen independent of viscosity increase, and over a short or long period of time. Thus, there is no time constraint that must be met for the change to take place. If the filter is changed, it should be noted on the event log / downtime form of the test report.*

*When a filter is replaced, the original filter should be removed with a pan underneath it to catch any oil lost from the system and/or filter. The filter should then be turned upside down and allowed to drain for 15 minutes. The captured oil can then be added to the new filter per test procedure section 6.10.5.2, and the filter installed on the filter housing.*

Thoughts?

Thanks,

**Greg Seman**  
Test Engineer

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