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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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Issued: August 12, 2009
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The unapproved minutes of the July 07, 2009 Sequence VI Surveillance Panel conference call.

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The meeting was called to order at 2:00pm by Chairman Charlie Leverett.

Agenda

The Agenda provided after the meeting is **Attachment 1**.

1.0 Roll Call

The attendance list is **Attachment 2**.

2.0 Approval of Minutes

- 2.1 Minutes from the 05.13.2009 meeting are posted.
- 2.2 Those minutes need approval and have not received any comments.

3.0 Action Item Review

- 3.1 The SP is to determine requirements for the next batch of BL by the next Surveillance Panel meeting. The survey has gone out and further discussion will take place in Old Business.
- 3.2 SwRI had presented data on engine 11B after it was reassembled and installed into the stand. They have decided to abandon this engine and will tear it down and report any findings to the SP. This is still an open item.

4. Old Business

- 4.1 The Next Blend of BL and FO.
 - 4.1.1 The survey was for usage through 2013
 - 4.1.2 Actual test life would be to 2015-2016, so labs should estimate to that time frame.
 - 4.1.3 This may be the last blend.

Action: **Charlie Leverett will find the status of another blend.**

- 4.2 The VID Procedure
 - 4.2.1 Draft 6.0 review is taking place.
 - 4.2.2 Draft 7.0 will be posted soon for review and discussion by the Surveillance Panel.
 - 4.2.3 The goal is to be ready for the Sub Committee B Ballot in August.

5.0 New Business

- 5.1 11.4.1.2 Unscheduled Shutdown and Restart—There are no scheduled shutdown periods in the test. Continuous operation is expected from initial warm-up prior to flushing in the BL oil before test oil through the final testing of the BL oil segment after the test oil. If an unexpected shutdown does occur, the maximum allowable downtime per test is 12 h. Only four unscheduled shutdowns per test are allowed. Further investigation is being undertaken to evaluate shutdown limits and their effect on stabilization and BSFC measurement runs. Report all shutdowns and the amount of time per shut down in the downtime occurrence section of the final report.

Action – SP needs to agree to a formal recommendation on total shutdowns and downtime allowed.

- 5.2 TMC has reviewed the reference test data for shutdowns and down time.

Motion: Keep 11.4.1.2 as written, a maximum of 12 hours of down time and 4 shutdowns. This would be effective 07.08.2009

Dave Glaenger, and Robert Stockwell second. Passed unanimous.

Action– SP needs to monitor this as an on-going item.

- 5.2 Table A10.1 Pre-test Maintenance Checklist
 - 5.2.1 The version for this meeting is Attachment 3.
 - 5.2.3 Dave Glaenzer recommended changing to a stainless steel EBP probe for longer life, and maintenance would then be reduced.
 - 5.2.3 Jason Bowden brought up the fixed gears and that installation procedure.

Action– An E-ballot needs to be generated for the fixed gear installation method, and the VID procedure would then be updated.

Motion: Use table as written, but modify EBP to “C”.

Gordon Farnsworth, and Ron Romano second. Passed unanimous.

- 5.3 11.4.16 Oil Consumption and Sampling— Once Phase II FEI Stage 6 is completed the test will go to Flush conditions; once it is stabilized the oil consumption shall be recorded prior to the first flush. The maximum allowable oil consumption for reference and non-reference oil tests is 1400 mL. After recording the oil level, take a 120 mL sample from the outlet (top) of the oil heater for viscosity measurement (see 13.2.10).

Action Required – SP needs to determine if 1400 ml is the maximum allowable oil consumption.

Motion: 1400 ml will be the maximum oil consumption for each VID test.

Dan Worcester, and Dave Glaenzer second. Passed unanimous.

Action – SP needs to review the impact of oil level on the VID test.

- 5.4 Calibration Status,
 - 5.4.1 All data was used for severity adjustments, but not calibrations.
 - 5.4.2 This affected the calibration cycle for one stand at IAR and one at SwRI by affecting the number of tests for a calibration period.
- 5.5 AER VIB Hardware
 - 5.5.1 AER has requested we allow them to release the remaining VIB hardware into their normal production.
 - 5.5.2 Per consensus, the last day to order VIB hardware from AER is 07.31.2009.
- 5.6 Procedure
 - 5.6.1 The procedure says to run a test sequence on the same batch of EEE fuel.
 - 5.6.2 There will be an editorial change to 7.2.2 to remove the word “sequence”.
 - 5.6.3 Section 13.2.8 should be Stage 6.

6.0 Scope and Objectives

- 6.1 The Scope and Objectives are Attachment 4.

6.2 There were no major changes.

7.0 The next conference call will be per the Chairman.

8.0 The meeting adjourned at 3:00 PM.

Sequence VI Surveillance Panel
Conference Call

July 7, 2009

@ 2:00 CT

Call-in #: 866-298-0814

Pass Code#: 2709134

Agenda

- 1.) Roll Call & Member Changes
- 2.) Approval of the minutes from the 05/13//09 conference call.

3. Action Item Review

3.1) The SP is to determine requirements for the next batch of BL by the next Surveillance Panel meeting. **TMC has sent out survey but we need further discussion, we will cover in Old Business below.**

3.2) SwRI had presented data on engine 11B after it was reassembled and installed into the stand. They have decided to abandon this engine and will tear it down and report any findings to the SP. **(04/02/09) OPEN**

4.) Old Business

4.1 Next blend of BL & FO, the TMC survey noted BL and FO you will need through 2013, actual category life is ~ 5 years so we need it through 2015-2016? I assume this will be the last blend?

4.2 Draft 6.0 review is in progress and with today's decisions we should be able to post Draft 7.0 soon. Once it is posted I will send a message out to the SP distribution. We should have ~ 2 weeks for our review prior to the Sub Committee B Ballot goes out which will be late July or early August.

5.) New Business

5.1) 11.4.1.2 *Unscheduled Shutdown and Restart*—There are no scheduled shutdown periods in the test. Continuous operation is expected from initial warm-up prior to flushing in the BL oil before test oil through the final testing of the BL oil segment after the test oil. **If an unexpected shutdown does occur, the maximum allowable downtime per test is 12 h. Only four unscheduled shutdowns per test are allowed.** *Further investigation is being undertaken to evaluate shutdown limits and their effect on stabilization and BSFC measurement runs. Report all shutdowns and the amount of time per shut down in the downtime occurrence section of the final report.*

Action Required – SP needs to agree to a formal recommendation on total shutdowns and downtime allowed.

5.2) Table A10.1 Pre-test Maintenance Checklist

Suggested revision attached for review



VID Table
10.1_Revised.xls (1.

Action Required – SP need to agree to a formal recommendation or to delete this table.

5.3) 11.4.16 *Oil Consumption and Sampling*— Once Phase II FEI Stage 6 is completed the test will go to Flush conditions; once it is stabilized the oil consumption shall be recorded prior to the first flush. The maximum allowable oil consumption for reference and non-reference oil tests is **1400 mL**. After recording the oil level, take a 120 mL sample from the outlet (top) of the oil heater for viscosity measurement (see 13.2.10).

Action Required – SP needs to determine if 1400 ml is the maximum allowable oil consumption.

5.4) Discussion on Calibration Status, IAR has had a discussion with TMC on when the calibration status started for their stands run in the precision matrix, our interpretation is all charted tests on the three reference oils should count, the TMC is only using the precision matrix phase II tests which puts our stand in the first reference period only allowing 4 candidate tests. This only pertains to one of our two stand/engines run due to the other has already been replaced prior to granting calibration status.

5.5) Discussion - AER has requested we allow them to release the remaining VIB hardware into their normal production.

Action Required – Since no one is making any purchases I believe we need to grant their request.

6.) Next Meeting

At the call of the Chairman

7.) Meeting Adjourned

ASTM SEQUENCE VI SURVEILLANCE PANEL

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Andy Ritchie Voting Member	Infineum 1900 East Linden Ave. Linden, NJ 07036-0735	Phone: 908-474- Fax: 908-474-3637	Gordon & Mike voting for Andy
Ron Romano Voting Member	Ford Motor Company 21500 Oakwood Blvd POEE Bldg Rm DR 167 MD 44 Dearborn, MI 48121-2053	Phone: 313-845-4068 rromano@ford.com	
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ASTM SEQUENCE VI SURVEILLANCE PANEL

Name	Address	Phone/Fax/Email	Attendance
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Guest Present at meeting

Adam & Jason Bowden
Doyle Boese
Bill Buscher
Dan Worchester
Gordon Farnsworth
Mike McMillan
Phil Scinto
Allison Rajakumar
Larry Hamilton
Jo Martinez
Jim Rutherford
Gene Hammerle

TABLE A10.1 Pre-test Maintenance Checklist

Required Maintenance	Schedule
Replace spark plugs	C
Service racor filters	A
Verify injector flows	B
Clean/recondition throttle Body	C
Clean coolant heat exchanger	C
Clean / flush oil heat exchanger	B
Replace fuel filters	C
Inspect / service driveline	A
Rotate dyno trunion bearings	C
Clean / replace EBP probe	C

A - Prior to each test

B - With installation of new engine.

C - As required by normal laboratory practice.

ASTM Sequence VI Surveillance Panel Scope and Objectives

Scope:

The Sequence VI Surveillance Panel is responsible for the surveillance and continued improvement of the Sequence VI test documented in the current ASTM Standard/Research Report for the VIB **and the VID** as each is updated by the Information Letter System. Improvements in test operation, test monitoring and test validation will be accomplished through continual communication with the Test Sponsor, ASTM Test Monitoring Center, Central Parts Distributor, ASTM B.O1, and the Passenger Car Engine Oil Classification Panel. Actions to improve the process will be recommended when deemed appropriate based on input from the aforementioned. The panel will review development and correlation of updated test procedures with previous test procedures. This process will provide the best possible test procedure for evaluating automotive lubricant performance with respect to the lubricant's ability to provide fuel economy benefits.

Objectives Target Date

Review of VID Precision Matrix Data	Completed
Issue VID ASTM Research Report	Completed
Blend 3 of Baseline and Baseline Flush oils	August 2009
Work with ASTM Facilitator to complete ASTM Standard for VID	August 2009
Ballot VID Procedure in Sub Committee B	August 2009
Statistical Group to review VID LTMS and Engine Hr. Adjustment	November 2009

Revised 07/07/09