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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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Issued: January 11, 2012
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These are the unapproved minutes of the 01.10.2012 Sequence VI Surveillance Panel Conference Call.

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

Agenda

The Agenda is the included as **Attachment 1**.

1.0 Roll Call

The Attendance list **Attachment 2**.

2.0) Approval of minutes

- 2.1) Approval of the minutes of the 12.15.2011 Conference Call.

Motion – Accept the minutes of the 12.15.2011 VID SP CC. Unanimous, Note: the correction was included for the total D engine from the previous minutes.

3.0) Action Item Review

- 3.1 OHT to report VID engine usage and expected depletion date at all Surveillance Panel meetings. **Will be on-going. There are 46.**
- 3.2 Labs will review to see if the same data files as requested 11/30/11 on the 2012 engines can be supplied on one recent or future reference test for comparison. **Labs should respond to TMC by 12/30/11. SwRI and IAR have reported data on an earlier reference and one reference has been reported in this format.**
<ftp://ftp.astmtmc.cmu.edu/refdata/gas/vid/data/Additional%20Stabilization%20Data/>
- 3.3 GM will report on its findings regarding the failed SwRI engine to the SP when available. **This will be available later.**
- 3.4 GM to send 2012 engine to Lubrizol in 2011 and send Afton a 2012 engine toward mid-January 2012. **Lubrizol has their engine, Afton's shipped 01.10.2012.**
- 3.5 GM to report to the SP what the last date of purchase for 2012 LY7 engines at the next SP meeting. **The last date is 04.01.2012, so a decision should be made by end of February. There will be another PFI 3.6, but for a different platform.**
- 3.6 Rich Grundza will ask the reference oil suppliers whether they would allow the oil analysis tests mentioned above to be run on their reference oils. **He is still awaiting a response.**

4.) Old Business

- 4.1) **There is no old business.**

5.) New Business

- 5.1 Review outcome of the first two tests on RO-542 and determine if we should run additional reference oils. **Gordon says they are mild for FE11. Guy Stubbs had done a by-stage review, and 1, 2 and 3 had the most effect as expected. There was a high BLA and oil pressure was higher on both engines. This engine has a different pressure relief valve. Guy's data indicated the engine response was dropping faster than the D versions, so there was interest in more data to confirm if this trend continues. It may then be feasible to adjust the engine hour equation for the 2012 engines.**

Motion: Move forward with the next new engine reference oil [541, 10w-30] at SwRI and IAR, then have further discussion at another conference call.

Bill Buscher / Dan Worcester / Passed Unanimous

5.2 Determine if we need a standardized method to measure oil consumption during new engine break-in.

5.2.1 Here is a motion with the recommendation from Dave

Motion: Modify Section 11.5.2 of D7589 as follows.

11.5.2 Oil Charge for Break-in Service both oil filters to ensure that they are clean. Drain oil and charge the engine with fresh BL oil, adding 5.4L. Use this oil charge for the entire new engine break-in.

11.5.2.1 Oil Additions During Break-in Monitor oil pan level on an hourly basis, during Step A operation. When oil pan level reaches **400 [this was changed during motion discussion as two labs already use this volume]** ml below test full, add fresh BL oil to bring it back to the original test full level using the same batch used for initial break-in oil charge. Record oil additions and break-in hour addition was completed.

Dave Glaenzer / Dan Worcester / Passed Unanimous

5.2 There was a request to consider rebuilds of the current engines if necessary.

Action Item – Engine Build Task Force will review build options for the current VID engines.

6.) Next Meeting

At the call of the chairman, after SwRI and IAR complete their 541 reference runs.

7.) Meeting Adjourned

The meeting adjourned at 3:30 PM.

Sequence VI Surveillance Panel conference Call
January 10 @ 14:00 CST
Call in #: 800-391-9177
Pass Code: 4875645502

Agenda

1.0) Roll Call

2.0) Approval of minutes

2.1) Approve the minutes from the December 20, 2011 Sequence VI Surveillance Panel conference call.

3.0) Action Item Review

3.1 OHT to report VID engine usage and expected depletion date at all Surveillance Panel meetings. **Will be on-going.**

3.2 Labs will review to see if the same data files as requested 11/30/11 on the 2012 engines can be supplied on one recent or future reference test for comparison. **Labs should respond to TMC by 12/30/11.**

3.3 GM will report on its findings regarding the failed SwRI engine to the SP when available.

3.4 GM to send 2012 engine to Lubrizol in 2011 and send Afton a 2012 engine toward mid-January 2012.

3.5 GM to report to the SP what the last date of purchase for 2012 LY7 engines at the next SP meeting.

3.6 Rich Grundza will ask the reference oil suppliers whether they would allow the oil analysis tests mentioned above to be run on their reference oils.

4.) Old Business

4.1) None

5.) New Business

5.1 Review outcome of the first two tests on RO-542 and determine if we should run additional reference oils.

5.2 Determine if we need a standardized method to measure oil consumption during new engine break-in.

5.2.1 Here is a motion with the recommendation from Dave

Motion: Modify Section 11.5.2 of D7589 as follows.

11.5.2 Oil Charge for Break-in Service both oil filters to ensure that they are clean. Drain oil and charge the engine with fresh BL oil, adding 5.4L. Use this oil charge for the entire new engine break-in.

11.5.2.1 Oil Additions During Break-in Monitor oil pan level on an hourly basis, during Step A operation. When oil pan level reaches 200 ml below test full, add fresh BL oil to bring it back to the original test full level using the same batch used for initial break-in oil charge. Record oil additions and break-in hour addition was completed.

Currently:

11.5.2 Oil Charge for Break-in Service both oil filters to ensure that they are clean. Drain oil and charge the engine with fresh BL oil, adding 5.4L. Use this oil charge for the entire new engine break-in.

6.) Next Meeting

Call of the chairman

7.) Meeting Adjourned

ASTM SEQUENCE VI SURVEILLANCE PANEL

Name	Address	Phone/Fax/Email	Attendance
Bowden, Jason Voting Member	OH Technologies, Inc. P.O. Box 5039 Mentor, OH 44061-5039	Phone: 440-354-7007 Fax: 440-354-7080 dhbowden@ohtech.com	Present with Dwight and Matt.
Bruce Matthews Voting Member	GM Powertrain Engine Oil Group Mail Code: 483-730-472 823 Joslyn Rd	Pontiac, MI 48340: 248-830-9197 bruce.matthews@gm.com	Present with Matt, Andy, Kevin and Lee
Andy Ritchie Voting Member	Infineum 1900 East Linden Ave. Linden, NJ 07036-0735	Phone: 908-474- Fax: 908-474-3637	Present with Doyle and Gordon
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	Present
Leverett, Charlie Voting Member	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9422 Fax: 210-523-4607 charlie.leverett@intertek.com	Present
Grundza, Rich Voting Member	ASTM TMC 6555 Penn Ave. Pittsburgh, PA 15206-4489	Phone: 412-365-1034 Fax: 412-365-1047 Dml@tmc.astm.cmri.cmu.edu	Present
Miranda, Timothy Voting Member	BP Castrol Lubricants USA 1500 Valley Road Wayne, NJ 07470	Phone: 973-305-3334 Timothy.Miranda@bp.com	Present
Mosher, Mark Voting Member	ExxonMobil 600 Billingsport Road Paulsboro, NJ 08066	Phone: 856-224-2132 Fax: 856-224-3628 mark_r_mosher@exxonmobil.com	
Caudill, Timothy Voting Member	Ashland, Inc. 21st and Front Streets Ashland, KY 41101	Phone: 606-329-5708 Fax: 606-329-3009 Tlcaudill@ashland.com	Present with Adam
Dan Worcester Voting Member	Southwest Research Institute (SwRI) 6220 Culebra Road San Antonio, TX 78228	Phone: Fax: dan.worcester@swri.org	Present with Bill and Guy
Szappanos, George Voting Member	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347- Fax: 440-347-4096 George.Szappanos@lubrizol.com	Present with Chris
Glaenger, David Voting Member	Afton Research Center 500 Spring Street Richmond, VA 23218	Phone: 804-788-5214 Fax: 804-788-6358	Present with Todd and Ed
Sutherland, Mark Voting Member	Chevron Oronite Company LLC 4502 Centerview Ste. 210 San Antonio, TX 78228	Phone: 210-731-5605 Fax: 731-5621 msut@chevrontexaco.com	Present with Jo
Robert Stockwell Voting Member	ConocoPhillips Lubricants R&D Passenger Car Engine Oil	office 580-767-6894 Robert.T.Stockwell@conocophillips.com	
Tracy King Voting Member	Chrysler	Phone: 248-576-7500 tek1@chrysler.com	
Teri Kowalski	Toyota	teri.kowalski@tema.toyota.com	Jim Linden