



100 Barr Harbor Drive ■ PO Box C700 ■ West Conshohocken, PA 19428-2959
Telephone: 610-832-9500 ■ Fax: 610-832-9555 ■ e-mail: service@astm.org ■ Website: www.astm.org

Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

Chairman: W. JAMES BOVER, ExxonMobil Biomedical Sciences Inc, 1545 Route 22 East, PO Box 971, Annandale, NJ 08801-0971, (908) 730-1048, FAX: 908-730-1197, EMail: wjbover@erenj.com
First Vice Chairman: KENNETH O. HENDERSON, Cannon Instrument Co, PO Box 16, State College, PA 16804, (814) 353-8000, Ext: 0265, FAX: 814-353-8007, EMail: kenohenderson@worldnet.att.net
Second Vice Chairman: SALVATORE J. RAND, 221 Flamingo Drive, Fort Myers, FL 33908, (941) 481-4729, FAX: 941-481-4729
Secretary: MICHAEL A. COLLIER, Petroleum Analyzer Co LP, PO Box 206, Wilmington, IL 60481, (815) 458-0216, FAX: 815-458-0217, EMail: macvarlen@aol.com
Assistant Secretary: JANET L. LANE, ExxonMobil Research and Engineering, 600 Billingsport Rd, PO Box 480, Paulsboro, NJ 08066-0480, (856) 224-3302, FAX: 856-224-3616, EMail: janet_l_lane@email.mobil.com
Staff Manager: DAVID R. BRADLEY, (610) 832-9681, EMail: dbradley@astm.org

Originally Issued: May 1X, 2008

Reply to: Richard Grundza
ASTM Test Monitoring Center
6555 Penn Avenue
Pittsburgh, PA 15206
Phone: 412-365-1031
Fax: 412-365-1047
Email: reg@astmtmc.cmu.edu

Unapproved Minutes of the May 7, 20087
Sequence IVA Surveillance Panel Meeting
held in San Antonio, TX

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The meeting was called to order at 1:00 pm by Chairman Bill Buscher. A membership list was circulated for members & guests to sign in. It's shown in Attachment 1.

Agenda Review

Pat Lang is Action & Motion recorder.

The Agenda was accepted as shown on Attachment 2.

Membership Changes

Greg Seman will replace George Szappanos for Lubrizol.

Meeting Minute Status

The November 14, 2007 meeting minutes were approved by the surveillance panel.

Review of Action Items from Last Meeting

Motions and Action Items

As Recorded at the Meeting by Bill Buscher

1. Action Item – Surveillance panel chairman to request that the chairman of LTMS, Ben Weber, schedule a meeting to conduct a comprehensive review of the different LTMS systems utilized by the PCMO test types and their pros and cons.
Open.
2. Action Item – Add to the scope and objective to monitor the progress of the comprehensive review of the different LTMS systems utilized by the PCMO test types and their pros and cons.
Done.
3. Motion – Update and fix targets for reference oil 1009 (Mean = 18.76, Standard Deviation = 7.05) based upon the 29 severity adjusted results currently available. Effective for reference tests completing on or after November 14, 2007.

Rich Grundza / Bill Buscher / Passed Unanimously

Done. TMC Memorandum 07-076 issued on November 16, 2007.

4. Action Item – Surveillance panel chairman and other interested surveillance panel members to consider scheduling a trip to Nissan North America to meet with the appropriate Nissan contacts to resolve the current and future hardware availability issues.
Done. Nissan issued annual hardware solicitation letter on November 21, 2007. Since this occurred, it was determined that a trip was not necessary at this time.
5. Action Item – Labs to compose a list of hardware needed in an immediate hardware purchase and provide to the surveillance panel chairman, so that it can be forwarded to Nissan North America. Chairman will distribute to the labs a previous Nissan solicitation letter that can be used to generate this information. To be completed by November 21, 2007.

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Done. All labs reported back to chairman by November 20, 2007.

Test Monitoring Center Report

A copy of the Test Monitoring Center Report is available at the TMC website. The report was reviewed during the meeting. Rich Grundza stated that severity and precision charts were in control for the period and that overall, ACW trended about 2.58 μm mild and precision was at or better than historical levels. As had been done in previous meetings in other test types, the panel agreed to remove the last stand reference information from the report forms.

ACC Monitoring Agency Report

Rich Grundza gave the ACC Monitoring Agency report for Frank Farber. A copy of the report is available at the ACC Monitoring Agency website.

Test Hardware Report

Bill discussed the on-going work to resolve the parts availability issues. Bill informed the panel that the Nissan Contact has changed, Mr. Nakamura will be replaced by Mr. Mabuchi. (See attachment 4) Parts from the previous order still have not been received, though contacts with Nissan indicated that annual parts orders would still be acceptable. Labs were asked to give an approximate time of when they would be out of hardware. Lubrizol had sufficient hardware available through 2009, Intertek is just about out, Ashland could not comment on their status and Southwest felt they had enough hardware till late 2008. An action item was assigned to have the Chairman to report to ILSAC and ILSAC/Oil Chairman that a new Nissan Japan contact has been assigned to the Sequence IVA Test. In addition, chairman will report that we are still in a hardware availability situation. Dwight Bowden suggested that Scott Gehring's supervisor be contacted to see if this can be moved off center. Some of the email exchanges between Bill and Scott Gehring are included as attachment 5. An action item was assigned to the chairman to contact Scott Gehring by phone to stress the severity of the hardware availability situation. If Scott's response is not acceptable, the chairman will schedule a conference call with the SP and Scott Gehring. The chair was also assigned an action item to contact both the Nissan Japan and Nissan North America representatives to verify who the proper person to contact regarding hardware procurement and current hardware availability situation is. It was suggested that parts maybe obtained from other sources, but it was stressed that aftermarket hardware may be the last option if the panel is unsuccessful in resolving this parts availability issue. Finally, it was decided by the panel that if the hardware is not available by July 1, 2008, the Surveillance Panel to consider meeting with Scott Gehring to discuss the severity of the situation.

Scope and Objectives

The panel reviewed the current scope and objectives and revised accordingly. Revised scope and objectives are below.

ASTM Sequence IVA Surveillance Panel

Scope and Objectives

Scope

The Sequence IVA Surveillance Panel is responsible for the surveillance and continued improvement of the Sequence IVA test documented in Test Method D

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6891 as updated by the Information Letter system. Data on test precision and laboratory versus field correlation will be solicited and evaluated at least every six months. Improvements in wear measurement technique, test operation, test monitoring and test validation will be accomplished through continual communication with the Test Sponsor and Parts Distributor, ASTM Test Monitoring Center, ASTM Committee D02.B0.01 and the ASTM Passenger Car Engine Oil Classification Panel. Actions to improve the process will be recommended when deemed appropriate based on input from the proceeding. The Panel will review development and correlation of updated test procedures with previous test procedures. This process will provide a suitable test procedure for evaluating an automotive lubricant's effect on controlling cam lobe wear for overhead valvetrain equipped engines with sliding cam followers.

Objectives

Target Date

- | | |
|--|----------------------|
| 1. Conduct 2008 metrology workshop | <i>November 2008</i> |
| 2. Conduct 2008 round robin | <i>November 2008</i> |
| 3. Conduct 2008 engine build workshop | <i>November 2008</i> |
| 4. Ensure a secure supply of Nissan KA24E hardware is available to accommodate testing through GF-5, anticipating the need for additional parts solicitations from Nissan. | <i>On-going</i> |
| 5. Monitor the progress of the comprehensive review of the different LTMS systems utilized by the PCMO | <i>November 2008</i> |







An additional action item was assigned to conduct an engine build workshop. The scope and objectives were approved via voice vote.

A listing of the action items from this meeting are included as attachment 6.

There being no new business or old business, the meeting was adjourned at 2:25 pm.


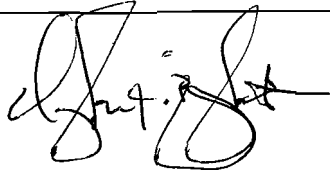
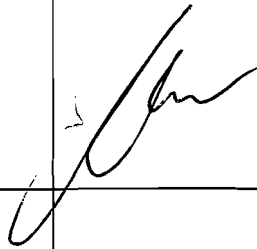
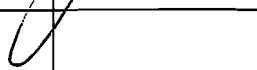

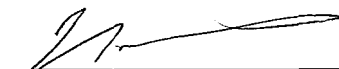
**MEMBERSHIP
ASTM IVA SURVEILLANCE PANEL**

June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Bowden, Dwight	OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 Phone No.: 440-354-7007 Fax No.: 440-354-7080 Email: dhbowden@ohtech.com	
Brys, Jerome Stappanos, George BRYE, SEROTIC	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092 44092 Phone No.: 440-347-2631 / 440-943-1200 Fax No.: 440-943-9013 <u>347-4026</u> Email: jerome@lubrizol.com jerome@lubrizol.com	
Buscher III, Bill	Southwest Research Institute 6220 Culebra Road P.O. Drawer 28510 San Antonio, TX 78228-0510 Phone No.: 210-522-6802 or 210-240-8990 cell Fax No.: 210-684-7523 Email: william.buscher@swri.org	
Buscher, Jr., Bill	Buscher Consulting Services P.O. Box 112 Hopewell Jct., NY 12533 Phone No.: 914-897-8069 Fax No.: 914-897-8069 Email: buschwa@aol.com	
Carter, James	Haltermann Products 2296 Hulett Okemos, MI 48864 Phone No.: 517-347-3021 Fax No.: 517-347-1024 Email: jecarter@dow.com	
Caudill, Timothy	Ashland Inc. 22 nd & Front Streets Ashland, KY 41114 Phone No.: 606-329-1960 x5708 Fax No.: 606-329- 3009 2044 Email: tcaudill@ashland.com	
Clark, Sid	GM Powertrain Mail Code 483-730-322 823 Joslyn Rd. Pontiac, MI 48340-2920 Phone No.: 248-857-9959 Fax No.: 248-857-4425 Email: sidney.l.clark@gm.com	
Glaenzer, Dave	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23217-2158 Phone No.: 804-788-5214 Fax No.: 804-788-6358 Email: dave.glaenzer@aftonchemical.com	



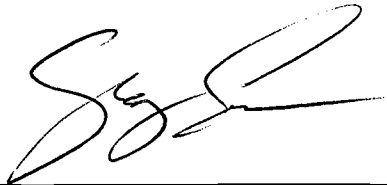
**MEMBERSHIP
ASTM IVA SURVEILLANCE PANEL**

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NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Grundza, Rich	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 Phone No.: 412-365-1031 Fax No.: 412-365-1047 Email: reg@astmtmc.cmu.edu	
Knight, Clayton	Test Engineering, Inc. 12718 Cimarron Path San Antonio, TX 78249 Phone No.: 210-862-5987 cell Fax No.: 210-690-1959 Email: cknight@tei-net.com	
Miranda, Timothy	BP Castrol 1500 Valley Road Wayne, NJ 07470 Phone No.: 973-305-3334 Fax No.: 973-686-4039 Email: timothy.miranda@bp.com	
Mosher, Mark	ExxonMobil Research & Engineering Co. 600 Billingsport Road P.O. Box 480 Paulsboro, NJ 08066-0480 Phone No.: 856-224-2132 Fax No.: 856-224-3628 Email: mark.r.mosher@exxonmobil.com	
Nakamura, Kiyotaka MABUCHI, YUTAKA	Nissan Motor Co., Ltd. 6-1, Daikoku-cho, Tsurumi-ku Yokohama, Japan (230) Phone No.: 011-81-45-505-8481 Fax No.: 011-81-45-505-8543 Email: naka@mail.nissan.co.jp	
Riley, Mike Romano, Ron	Ford Motor Company POEE Building, Room DR 167, MD#44 21500 Oakwood Boulevard Dearborn, MI 48124-4091 Phone No.: 313-390-3059 Fax No.: 313-845-3169 Email: mriley2@ford.com	
Ritchie, Andrew	Infineum USA L.P. 1900 E. Linden Avenue Linden, NJ 07036-0536 Phone No.: 908-474-2097 Fax No.: 908-474-3637 Email: andrew.ritchie@infineum.com	
Sutherland, Mark	Chevron Oronite Company LLC 4502 Centerview Dr., #210 San Antonio, TX 78228 Phone No.: 210-867-8357 cell Fax No.: 210-731-5699 Email: msut@chevrontexaco.com	


**MEMBERSHIP
ASTM IVA SURVEILLANCE PANEL**

June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
<p>Worcester, Dan Lopez, Al</p>	<p>PerkinElmer Fluid Sciences Intertek 5404 Bandera Road Automotive San Antonio, TX 78238-1993 Research Phone No.: 210-523-4659 or 210-410-9436 cell Fax No.: 210-523-4607 210-862-7935 Email: dan.worcester@perkinelmer.com al.lopez@intertek.com</p>	
<p>Ed Altman ALTMAN, Ed</p>	<p>Afton Chemical 500 Spring St. Richmond VA. 23219 Phone No.: 804-788-5279 Fax No.: 804-788-6358 Email: Ed.Altman@aftonchemical.com</p>	
<p>Seman, Greg</p>	<p>Lubrizol 2940 Lakeland Blvd Wickliffe, OH 44092 Phone No.: 440.347.2157 Fax No.: 440.347.4106 Email: greg.seman@lubrizol.com</p>	
	<p>Phone No.: Fax No.: Email:</p>	
	<p>Phone No.: Fax No.: Email:</p>	
	<p>Phone No.: Fax No.: Email:</p>	
	<p>Phone No.: Fax No.: Email:</p>	
	<p>Phone No.: Fax No.: Email:</p>	

**NON-MEMBER MAILING LIST
ASTM IVA SURVEILLANCE PANEL**

June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Altman, Ed	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23217-2158 Phone No.: 804-788-5279 Fax No.: 804-788-6358 Email: ed.altman@aftonchemical.com	
Baumgartner, Daryl	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092 Phone No.: 440-347-2116 Fax No.: 440-943-9013 Email: dbau@lubrizol.com	
Bowden, Adam	OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 Phone No.: 440-354-7007 Fax No.: 440-354-7080 Email: adbowden@ohtech.com	
Bowden, Jason	OH Technologies, Inc. 9300 Progress Parkway P.O. Box 5039 Mentor, OH 44061-5039 Phone No.: 440-354-7007 Fax No.: 440-354-7080 Email: jhbowden@ohtech.com	
Bryant, Don Brys, Jerome	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092 Phone No.: 440- 943-1200 347-2631 Fax No.: 440-943-9013 Email: jabs@lubrizol.com	
Carlson, Jon	Lubrizol Corporation 14602 Huebner, Suite 116-PMB 198 San Antonio, TX 78230 Phone No.: 210-391-8838 cell Fax No.: 210-522-0391 Email: jomc@lubrizol.com	
Carter, Brad	PerkinElmer Fluid Sciences 5404 Bandera Road San Antonio, TX 78238-1993 Phone No.: Fax No.: 210-523-4607 Email: brad.carter@perkinelmer.com	
Farber, Frank	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 Phone No.: 412-365-1030 Fax No.: 412-365-1047 Email: fmf@astmtmc.cmu.edu	


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NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Farnsworth, Gordon	Infineum USA L.P. 1900 E. Linden Avenue Linden, NJ 07036-0536 Phone No.: 570-934-2776 Fax No.: 908-474-3637 Email: gordon.farnsworth@infineum.com	
Fernandez, Frank	Chevron Oronite Company LLC 4502 Centerview Dr., #210 San Antonio, TX 78228 Phone No.: 210-731-4381 / 210-731-5603 Fax No.: 210-731-5699 Email: ffer@chevron.com	
Ferner, Mark	Pennzoil / Quaker State Company 1520 Lake Front Circle The Woodlands, TX 77380 Phone No.: 713-363-8190 Fax No.: 713-363-8002 Email:	
Galbraith, Robert	Imperial Oil Limited 453 Christina St. South P.O. Box 3002 Sarnia, Ontar, Canada N7T8C8 Phone No.: Fax No.: Email: rob.galbraith@iol.sprint.com	
Hsu, Jeffery	Pennzoil / Quaker State Company 1520 Lake Front Circle (77380) P.O. Box 7569 The Woodlands, TX 77387 Phone No.: 281-363-8177 Fax No.: 281-363-8002 Email: JefferyHsu@PZLQS.com	
Ishikawa, Masa	Infineum USA L.P. 1900 East Linden Avenue Linden, NJ 07036 Phone No.: 908-474-2384 Fax No.: 908-474-3597 Email: masa.ishikawa@infineum.com	
Kelly, Jack	Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092 Phone No.: 216-943-1200 Fax No.: Email: jack@lubrizol.com	
Mahoney, Bill	Registration Systems, Inc. 4139 Gardendale, Suite 205 San Antonio, TX 78229 Phone No.: 210-343-1911 Fax No.: 210-341-4038 Email: b.mahoney@regsysinc.com	

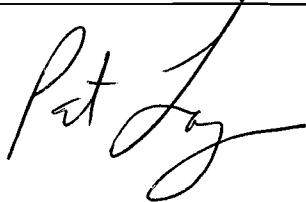
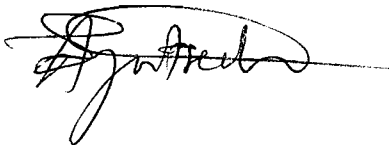

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June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Martinez, Jo	Chevron Oronite Company LLC 100 Chevron Way, 60-1211 P.O. Box 1627 Richmond, CA 94802-0627 Phone No.: 510-242-5563 Fax No.: 510-242-1930 Email: jogm@chevrontexaco.com	
Olree, Robert	GM Powertrain Mail Code 483-730-322 823 Joslyn Rd. Pontiac, MI 48340-2920 Phone No.: 248-857- Fax No.: 248-857-4425 Email: robert.olree@gm.com	
Roby, Stephen	Chevron Oronite Company LLC 100 Chevron Way P.O. Box 1627 Richmond, CA 94802-0627 Phone No.: 510-242-1273 Fax No.: 510-242-3173 Email: hrby@chevrontexaco.com	
Rumford, Robert	Haltermann Products 1201 South Sheldon Road Channelview, TX 77530-0429 Phone No.: 281-457-2768 Fax No.: 281-457-1469 Email: rhrumford@dow.com	
Rutherford, Jim	Chevron Oronite Company LLC 100 Chevron Way, 60-1211 P.O. Box 1627 Richmond, CA 94802-0627 Phone No.: 510-242-3410 Fax No.: 510-242-1930 Email: jaru@chevrontexaco.com	
Scinto, Phil	Lubrizol Corporation 29400 Lakeland Blvd. Mail Drop 152- AB Wickliffe, OH 44092 Phone No.: 440-347-2161 Fax No.: 440-347-9031 Email: prs@lubrizol.com	
Simkins, Russell	Conoco Inc. 1000 South Pine, 6617RW P.O. Box 1267 Ponca City, OK 74602-1267 Phone No.: 580-767-6758 Fax No.: 580-767-4534 Email: russell.e.simkins@usa.conoco.com	
Sutherland, Robert	Shell Global Solutions 3333 Highway 6 South Houston, TX 77082 Phone No.: 281-544-8620 Fax No.: 281-544-8150 Email: r.sutherland@shell.com	

**NON-MEMBER MAILING LIST
ASTM IVA SURVEILLANCE PANEL**

June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
Thompson, Hap	Phone No.: 908-287-9596 Fax No.: Email: Hapjthom@aol.com	
Venier, C	Pennzoil Products Company P.O. Box 7569 The Woodlands, TX 77387 Phone No.: 281-363-8060 Fax No.: 281-363-8002 Email:	
Weber, Ben	Southwest Research Institute 6220 Culebra Road P.O. Drawer 28510 San Antonio, TX 78228-0510 Phone No.: 210-522-5911 Fax No.: 210-684-7523 Email: benjamin.weber@swri.org	
Zalar, John	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206 Phone No.: 412-365-1005 Fax No.: 412-365-1047 Email: jlz@astmtmc.cmu.edu	
Zaweski, Ed	BP Amoco Oil 150 W. Warrenville Rd. Mail Code C-6 Naperville, IL 60563 Phone No.: 630-420-5026 Fax No.: 630-420-4866 Email: ed_f_zaweski@amoco.com	
Lang, Pat	SURT Phone No.: Fax No.: Email:	
JONATHAN AYUTSEDE	INFINEUM Phone No.: 908-474-2916 Fax No.: Email: jonathan.ayutsede@infineum.com	
Doyle Boese	Infineum 1900 E. Linden Ave. Linden, NJ 07036 Phone No.: 908-474-3176 Fax No.: Email: Doyle.Boese@Infineum.com	

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June 7, 2006

NAME	COMPANY-ADDRESS-PHONE-FAX-EMAIL	SIGNATURE
	Phone No.: Fax No.: Email:	
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Sequence IVA Surveillance Panel

San Antonio, TX

SwRI, Building 209, Conference Room 103

May 7, 2008

1:00 p.m. - 3:00 p.m.

A G E N D A

1. Chairman comments
2. Attendance sign-in sheet distribution
3. Membership changes
4. Motion and Action recorders
5. Approval of minutes for 11/14/2007 All
6. Review action items from last meeting Buscher
7. Fuel supplier report – KA24E Green Fuel Carter
8. TMC report Grundza
9. ACC report Farber
10. Test hardware report Buscher
11. Review Scope & Objectives All
12. Old business
13. New business
14. Next meeting
15. Adjourn

PRODUCT: KA24E TEST FUEL
HALTERMANN
PRODUCT CODE: HF008
Seq. IV & VIII

Batch No.: VL1821GP05
TMO No.: 21035536
Tank No.: Gage T90
Analysis Date: 1/9/2008

TEST	METHOD	UNITS	SPECIFICATIONS			RESULTS
			MIN	TARGET	MAX	
Distillation - IBP	ASTM D86	°F	75		95	86
5%		°F				113
10%		°F	120		135	125
20%		°F				146
30%		°F				172
40%		°F				202
50%		°F	200		230	221
60%		°F				231
70%		°F				240
80%		°F				255
90%		°F	300		325	313
95%		°F				344
Distillation - EP		°F	385		415	392
Recovery		vol %		Report		97.3
Residue		vol %		Report		1.2
Loss		vol %		Report		1.5
Gravity	ASTM D4052	°API	58.7		61.2	59.6
Density	ASTM D4052	kg/l	0.734		0.744	0.740
Reid Vapor Pressure	ASTM D5191	psi	8.8		9.2	8.9
Carbon	ASTM E191	wt fraction	0.8580		0.8667	0.8614
Carbon	ASTM D3343	wt fraction		Report		0.8653
Sulfur	ASTM D4294	wt %	0.01		0.04	0.0125
Lead	ASTM D3237	g/gal			0.05	<0.01
Oxygen	ASTM D4815	wt %			0.05	<0.05
Composition, aromatics	ASTM D1319	vol %			35.0	29.3
Composition, olefins	ASTM D1319	vol %	5.0		10.0	5.8
Composition, saturates	ASTM D1319	vol %		Report		65.0
Oxidation Stability	ASTM D525	minutes	1440			>1440

Copper Corrosion	ASTM D130			1	1a
Gum content, washed	ASTM D381	mg/100ml		5	<0.5
Research Octane Number	ASTM D2699		96.0	97.5	96.2
Motor Octane Number	ASTM D2700			Report	87.2
R+M/2	D2699/2700			Report	91.7
Sensitivity	D2699/2700		7.5		9.0
Net Heat of Combustion	ASTM D240	btu/lb		Report	18246
Color	Visual			Green	Green

William A. Buscher III

From: NAKAMURA, KIYOTAKA [k-naka@mail.nissan.co.jp]
Sent: Tuesday, April 22, 2008 1:00 AM
To: william.buscher@swri.org
Cc: MABUCHI, YUTAKA
Subject: RE: Spring SP Meetings

Dear Mr... Buscher san

Thank you for sending me the meeting agenda of Sequence IVA surveillance panel.

My responsibility was changed last year.

Mr.. Mabuchi is my successor.

Mr..Yutaka Mabuchi: Manager of Fuel & Lubricant Section,

Material Department, Nissan

y-mabuchi@mail.nissan.co.jp

He is charring engine oil sub-committee of JAMA now.

Could you please deliver the information of Seq.IVA to Mr.. Mabuchi form next time.

I am working for technology planning department and my current assignment is bio energy.

Best Regards,
Kiyotaka Nakamura
Nissan

From: William A. Buscher III [mailto:william.buscher@swri.org]
Sent: Wednesday, April 16, 2008 11:26 PM
To: 'Benjamin O. Weber'; 'X-Rich E. Grundza'; 'X-Frank F. Farber'; 'X-Gordon Farnsworth'; 'X-Jim Gutzwiller'; 'X-Raymond Seiz'; 'X-Jon Carlson'; 'X-Phil Scinto'; dhwbowden@ohtech.com; BuschWA@aol.com; NAKAMURA, KIYOTAKA; sidney.l.clark@gm.com; jecarter@dow.com; Dave.Glaenger@aftonchemical.com; mark.r.mosher@exxonmobil.com; tlcaudill@ashland.com; Hapjthom@aol.com; jaru@chevron.com; Cknight@tei-net.com; 'X-Mark Sutherland'; 'X-Andrew Ritchie'; 'X-Jo Martinez '; timothy.miranda@bp.com; Ed.Altman@aftonchemical.com; robert.olree@gm.com; r.sutherland@shell.com; al.lopez@intertek.com; rromano@ford.com; Jerome.Brys@lubrizol.com; Greg.Seman@lubrizol.com
Subject: FW: Spring SP Meetings

The next meeting of the ASTM Sequence IVA Surveillance Panel will be held in San Antonio, TX on Wednesday, May 7, 2008, from 1:00 p.m. until 3:00 p.m.. This meeting is part of the Passenger Car Engine Oil Surveillance Panel week.

Hotel information is included below:

Hotel: Courtyard Marriott Seaworld
Rate: \$89.00/night
Phone: 210-647-4100

When you call the front desk you must mention the SwRI - Engine Lubricants Research Group Rate.

If you have any items that you would like to have included on the Sequence IVA agenda, please forward them to me. Please forward this announcement to anyone that I might have missed. Thank you.

William A. Buscher III
Chairman, Sequence IVA Surveillance Panel
Tel: (210) 522-6802
Fax: (210) 684-7523
Cell: (210) 240-8990

From: William A. Buscher III [mailto:william.buscher@swri.org]
Sent: Monday, March 31, 2008 11:14 AM
To: 'Fred W Gerhart'; 'X-Andrew Ritchie'; 'X-Dave Glaenzer'; 'charlie.leverett@intertek.com'; 'X-Frank F. Farber'; 'X-Rich E. Grundza'; 'james.l.linden@gm.com'
Cc: 'Benjamin O. Weber'; 'Patrick M Lang'; 'Dan E Worcester Jr'; 'Guy H Stubbs'; Cissy Martinez (cissy.martinez@swri.org)
Subject: RE: Spring SP Meetings

Dear Surveillance Panel Chairs,

It has been decided that spring 2008 surveillance panel meeting will be held in San Antonio, TX, during the week of May 5th. SwRI will host the meetings on Tuesday, 5/6/08, Wednesday, 5/7/08, and Thursday, 5/8/08, in building 209, conference room 103. SwRI will attempt to set up a corporate rate and a block of room at the Marriott Courtyard close by. I will send further hotel information when it is available. There will be time available during the course of the three days of a Sequence VID Consortium meeting, if needed. I recommend the the Sequence VID Consortium meeting be scheduled for either Tuesday or Thursday. The meeting schedule could be something like this:

May 6, 2008 (Tuesday)

9:00–3:00 pm Sequence IIIF/G Surveillance Panel
3:00-5:00pm Sequence VIII Surveillance Panel

May 7, 2008 (Wednesday)

9:00–12:00 noon Sequence VG Surveillance Panel
1:00-3:00 pm Sequence IVA Surveillance Panel
3:00-5:00 pm Sequence VIB Surveillance Panel

May 8, 2008 (Thursday)

9:00-5:00 pm Sequence VID Consortium

Lunch 12:00-1:00 pm each day.

Let me know if this schedule gives your panel enough time to meet or if there are any questions.

William A. Buscher III
Manager - R&D
Southwest Research Institute
Gasoline Lubricant Evaluations Section
Engine Lubricants Research Department
Fuels and Lubricants Research Division
Tel: (210) 522-6802
Fax: (210) 684-7523
Cell: (210) 240-8990
Email: william.buscher@swri.org

From: William A. Buscher III [mailto:william.buscher@swri.org]
Sent: Wednesday, January 16, 2008 10:56 AM
To: Fred W Gerhart; X-Andrew Ritchie; X-Dave Glaenzer; charlie.leverett@intertek.com; X-Frank F. Farber; X-Rich E. Grundza
Cc: Benjamin O. Weber; Patrick M Lang; Dan E Worcester Jr; Guy H Stubbs; Larry M. Bendele
Subject: Spring SP Meetings

Dear Surveillance Panel Chairs,

It is time to plan the Spring 2008 Surveillance Panel meetings. I've been asked to avoid the timeframe from May 12 to June 2, so I was thinking that we could target the week of May 5. We could have the meeting on Tuesday, 5/6/08, Wednesday, 5/7/08, and Thursday, 5/8/08, if three days are needed. Andy has mentioned that Infineum has offered to set-up the meetings in New Jersey, or somewhere in the North East.

Let me know if these dates are acceptable and if you want us to take Andy up on his offer. I will then have Andy start working on an exact location for the meetings. I look forward to hearing from you.

William A. Buscher III
Manager - R&D
Southwest Research Institute
Gasoline Lubricant Evaluations Section
Engine Lubricants Research Department
Fuels and Lubricants Research Division
Tel: (210) 522-6802
Fax: (210) 684-7523
Cell: (210) 240-8990
Email: william.buscher@swri.org

William A. Buscher III

From: William A. Buscher III [william.buscher@swri.org]
Sent: Tuesday, May 06, 2008 10:47 AM
To: 'Gehring, Scott'
Subject: RE: Engine Oil test Program

Scott,

Thanks for the update and please let me know once you hear from NML. An annual order for IVA hardware is acceptable. The parts that were ordered in December 2007 will accommodate all testing in 2008 and in the first half of 2009, and for some cases beyond. The labs would hope for another hardware order in late 2008, with delivery anticipated in mid 2009. Hopefully all the same parts that were offered in last December's order will be available again. Let me know if this will be the case, or what NNA and NML's plan would be. As I understand it, Nissan should be offering at least one more order for all components, and possibly additional orders through year 2010 for some of the components (the test kit p/n 13000-40F85 would be the component that labs would be most interested in). Let me know if you have any additional questions or concerns. Thanks.

Bill

From: Gehring, Scott [mailto:scott.gehring@nissan-usa.com]
Sent: Tuesday, May 06, 2008 10:01 AM
To: william.buscher@swri.org
Subject: RE: Engine Oil test Program

Two of the part numbers have not shipped from NML last month as they had committed to. I have requested confirmation of the shipment or revised schedule. As they were on Golden Week holiday last week, their reply has been delayed. I will update as soon as possible. How many times per year is the test required? Can these items been utilized to accomplish the 2008 test?

Thank you.

Scott Gehring
Manager, AHQ Export Programs
(615) 223-4302
(615) 223-3940 fax
scott.gehring@nissan-usa.com

From: William A. Buscher III [mailto:william.buscher@swri.org]
Sent: Monday, May 05, 2008 3:10 PM
To: Gehring, Scott
Subject: RE: Engine Oil test Program

Scott,

If possible can you provide an update on the status of this order. Also if you have any information on the details of the next order (later this year?), that would be useful too. We are having a semi-annual ASTM Sequence IVA Surveillance Panel meeting on Wednesday, 5/7/08, and I would like to provide an update.

Bill

From: Gehring, Scott [mailto:scott.gehring@nissan-usa.com]
Sent: Monday, March 10, 2008 8:27 AM
To: william.buscher@swri.org
Subject: RE: Engine Oil test Program

Timing from Japan for some of the components is into late April. As soon as they arrive I will start processing their orders.

Scott Gehring

Manager, AHQ Export Programs
(615) 223-4302
(615) 223-3940 fax
scott.gehring@nissan-usa.com

From: William A. Buscher III [mailto:william.buscher@swri.org]
Sent: Friday, March 07, 2008 4:24 PM
To: Gehring, Scott
Subject: Engine Oil test Program

Scott,

I hope that all is well with you. I was wondering if you could provide me with a status of the engine oil test program hardware order that the labs placed with Nissan back in December 2007. I would like to provide an update to all of the labs. Thanks you.

William A. Buscher III
Manager - R&D
Southwest Research Institute
Gasoline Lubricant Evaluations Section
Engine Lubricants Research Department
Fuels and Lubricants Research Division
Tel: (210) 522-6802
Fax: (210) 684-7523
Cell: (210) 240-8990
Email: william.buscher@swri.org

Sequence IVA Surveillance Panel
May 7, 2008
1:00PM – 3:00PM
SwRI, Building 209, Conference Room 103
San Antonio, TX

Motions and Action Items

As Recorded at the Meeting by Pat Lang

1. Action Item – Surveillance panel chairman to request that the chairman of LTMS, Ben Weber, schedule a meeting to conduct a comprehensive review of the different LTMS systems utilized by the PCMO test types and their pros and cons.
2. Action Item – Surveillance panel members to solicit their companies for potential GF-5 calibration oils.
3. Motion – Remove “Most Recent Reference Oil Test History” table from Form 4 of the Sequence IVA test report and associated data from the Sequence IVA data dictionary. Note that this data is still available from other data sources.

Bill Buscher /Rich Grundza / Passed Unanimously

4. Action Item – Chairman to report to ILSAC and ILSAC/Oil Chairman that a new Nissan Japan contact has been assigned to the Sequence IVA Test. In addition, chairman will report that we are still in a hardware availability situation.
5. Action Item – Chairman to contact Scott Gehring by phone to stress the severity of the hardware availability situation. If Scott’s response is not acceptable, the chairman will schedule a conference call with the SP and Scott Gehring.
6. Action Item – Chairman to contact both the Nissan Japan and Nissan North America representatives to verify who is the proper person to contact regarding hardware procurement and current hardware availability situation.
7. Action Item – If the hardware is not available by July 1, 2008, the Surveillance Panel to consider meeting with Scott Gehring to discuss the severity of the situation.
8. Action Item – Chairman to schedule a metrology workshop and an engine build workshop at Southwest Research to occur prior to November 2008.