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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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May 26, 2010

Reply to:
Rick Graziano
The Lubrizol Corporation
29400 Lakeland Blvd.
Wickliffe, OH 44092
(440) 347-2058
(440) 347-2878 (FAX)
ricki.graziano@lubrizol.com

ASTM D02.B0.03 L-60-1 Surveillance Panel
Members and Guests:

Attached for your review and comment are the unconfirmed minutes of the May 12, 2010 L-60-1 Surveillance Panel meeting held at the BRTRC Facility in Warren, MI. Please direct any corrections or comments to my attention.

Sincerely,

Rick Graziano
Chairman
L-60-1 Surveillance Panel

Attachments

Report of Meeting
L-60-1 Surveillance Panel Teleconference Call
May 12, 2010

Attendees

Allen Comfort

Bridgett Dwornick

Cory Koglin

Don Bell

Rick Graziano

Stephen Elliot

Don Lind

Brian Koehler

Scott Parke

Galen Greene

Sam Higuchi

Jerry Gropp

Percy Kanga

Bruce McGlone

John Dharte

Bill Kearney

Dale Smith

Note: L-60-1 SP voting members in **BOLD**

Sign in and review of membership

The sign-in sheet is included as **attachment # 1**. A review of membership was performed **attachment # 2**. Membership list to be updated as Allen Comfort from RDTA-DD/MS110 US Army has replaced Rachel Augusti, Sam Higuchi OF Afton Chemocal has replaced Cory Koglin and Scott Parke of the TMC has replaced Don Lind as SP voting members. '6' voting members present.

Review of Meeting Agenda

The meeting agenda is included as **attachment #3**.

Approval of minutes

- May 13, 2009 L-60-1 Surveillance Panel Meeting
- September 25, 2009 L-60-1 Surveillance Panel Meeting (rating procedure and fixture)

Motion 1 ⇒-Motion by Mr. Koglin/Second Mr. McGlone, minutes approved as written unanimously with no abstentions. Vote 6-0-0.

Meeting Discussion

Section 10.8

Mr. Graziano requested that the group review and discuss changing the wording in section 10.8 of the test method D 5704 regarding how reference tests should be ruled when oil loss is considered. Current wording does direct in rulings for non-reference tests. There were '2' options (proposals) that were discussed regarding the word change. Page 5 (**attachment #4**) of the power point presentation reflects the '2' options (proposals).

Mr. Lind and Mr. Parke would like to modify the wording in option A to reflect the following:

10.8 Upon the completion of the test, immediately shut down the equipment. Remove the air line and drain the test lubricant into a clean, weighed container. The gear case cover plate may be loosened to facilitate draining but do not remove it. Drain the test stand for 30 minutes (± 5 minutes). To determine the final oil mass measurement; weigh the container and drained oil and calculate the oil mass loss percent using the equation below:

$$\text{Oil loss in mass\%} = \frac{\text{initial mass} - \text{final mass}}{\text{Initial mass}} \times 100$$

10.8.1 Any test exceeding a mass loss of 20% is operationally invalid.

Motion 2 ⇒- Motion by Mr. Koehler/ second by Mr. Higuchi to request that the TMC modify the standard by information letter to reflect the wording on handout for section 10.8. This is in effect immediately and as of 5/12/2010. Vote 6-0-0

Reference Frequency

A request was made by Mr. Koehler to change section 9.2.2 from 'Every 10 tests or three months, whichever occurs first' to 'Every 15 non-reference tests or five months, whichever comes first' (**attachment #5**).

Motion 3 ⇒-Motion by Mr. Koehler that the SP instruct the TMC to modify section 9.2.2 by information letter to change reference requirement to 15 tests and 5 months. 2nd motion denied.

Instrument Calibration Frequency

A request was made by Mr. Koehler to leave the wording generally the same which requires calibration before the reference (do not list candidate count or time). Probably should change section 9.6 wording of 'Prior to a reference oil test' to the wording used in 8.10 which is 'prior to the start of a calibration cycle on stand' (**attachment #5**).

Motion 4 ⇒- Motion by Mr. Koehler/second by Mr. Graziano request that the TMC modify the standard by info letter by changing the section 9.6 from 'prior to reference oil test' to 'prior to the start of a calibration cycle'. This is in effect immediately and as of 5/12/2010. Vote 6-0-0

New business

TMC requested that the L-60-1 Chairman setup a teleconference to address the industry alarms, maybe a problem with chem. labs. TMC recommends chem. lab visits.

Motion 5 ⇒- Motion by Mr. Higuchi/ second Mr. McGlone for TMC to visit chem. labs of the testing laboratories to investigate the severity concerns and industry alarms. Vote 6-0-0

Adjournment

Being no further business, the meeting was adjourned.

Respectfully submitted,

Ricki P. Graziano
L-60-1 Surveillance Panel Chairman

ASTM L-60-1 Surveillance Panel Membership/Mailing List

Meeting Date: February 11, 2009

MAY 12 2010

Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	Anderson, Greg	Non-voting	Falex Corporation 1020 Airpark Drive Sugar Grove, Illinois 60554-9585	Phone: 630-556-3669 Fax: 630-556-3679 E-Mail:
	Agusti, Rachel	Voting	AMSTRD-TAR-D/210 6501 E-14 Mile Rd Warren, MI 48397-5000	Phone: 586-574-4222 Fax: 586-574-4244 E-Mail: rachel.jackman@us.army.mil
	Bell, Don	Non-voting	The Lubrizol Corporation 20661 Sandlot Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2388 Fax: 440-347-2878 E-Mail: dtb@lubrizol.com
<i>DRB</i>	Bell, Don	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-6332 Fax: 804-788-6342 E-Mail: Don.Bell@afonchemical.com
	Bryson, Tom	Voting	Mack Trucks 13302 Pennsylvania Avenue Hagerstown, Maryland 21740	Phone: 301-790-5454 Fax: 301-790-6744 E-Mail: tom.bryson@macktrucks.com
	Chambers, Harold	Non-voting	43945 Merrill Rd. Sterling Hts., MI 48314	Phone: (586) 770-4694 Fax: E-Mail: haroldchambers@gmail.com

ATTACHMENT 1

* Initial to indicate attendance at subject meeting

ASTM L-60-1 Surveillance Panel Membership/Mailing List

Meeting Date: February 11, 2009

Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
A.C.	Comfort, Allen	Non-voting Voting	ASTM L-60-1 ASTM L-60-1/M9110 U S Army Tank, Automotive, and Armament Command Warren, Michigan 48397-5000	Phone: 586-582-4225 Fax: 586-584-4244 E-Mail: comfort@astm.com allen.s.comfort@us.army.mil
	Purnell, Keith	Non-voting	Performance Review Institute 161 Thornhill Road Warrendale, Pennsylvania 15086-7527	Phone: 724-772-1616 X8182 Fax: 724-772-1699 E-Mail: kpurnell@sae.org
	Duckstein, Ron	Non-voting	Parc Technical Services Inc. 100 William Pitt Way Pittsburgh, Pennsylvania 15238	Phone: 412-826-5115 Fax: 412-826-5443 E-Mail: rhd@usaor.net
R.S.	Eliot, Stephen W.	Non-Voting	Commercial Vehicle Lubricants ExxonMobil Lubricants & Specialties Leesburg, Virginia	Phone: 703-669-9916 Fax: 703-669-9917 E-Mail: stephen.w.eliot@exxonmobil.com
	Farber, Frank	Non-voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1030 Fax: 412-365-1047 E-Mail: fmf@astmtmc.cmu.edu
	Fett, Gregory	Voting	DANA, P.O. Box 955 Toledo, Ohio 43697 3939 Technology Drive Maumee, Ohio 43537	Phone: (419) 887-3296 Fax: E-Mail: greg.fett@dana.com

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ASTM L-60-1 Surveillance Panel Membership/Mailing List

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Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
<i>RG</i>	Graziano, Rick	Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2058 Fax: 440-347-2878 E-Mail: ricki.graziano@lubrizol.com
<i>WGA</i>	Greene, Galen	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2394 Fax: 440-347-2878 E-Mail: galen.greene@lubrizol.com
<i>JG</i>	Gropp, Jerry	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-1223 Fax: 440-347-1555 E-Mail: jerrold.gropp@lubrizol.com
	Guzlikowski, Joe	Non-voting	DANA P. O. Box 955 Toledo, Ohio 43697 3939 Technology Drive Maumee, Ohio 43537	Phone: 419-887-3425 Fax: E-Mail: joe.guzlikowski@dana.com
	Haire, Mike	Voting	Chevron 100 Chevron Way Richmond, California, 94802	Phone: 510-242-2740 Fax: 804-788-6358 E-Mail: mhaire@chevron.com
<i>SSH</i>	Higuchi, Sam	Non-voting <i>Voting</i>	Axon Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5375 Fax: 804-788-6358 E-Mail: samuel.higuchi@axonchemical.com

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Meeting Date: February 11, 2009

Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	Huron, John	Non-voting	Chevron Orionite 4502 Centerview Drive, Suite 210 San Antonio, Texas 78228	Phone: 210-731-5609 Fax: 210-731-5699 E-Mail: HURO@ChevronTexaco.com
<i>PRC</i>	Kanga, Percy R.	Non-Voting	Commercial Vehicle, Marine & Gas Engine Lubricants ExxonMobil Research & Engineering 600 Billingsport Road Pausboro, NJ 08066	Phone: 856-224-2094 Fax: 856-224-3613 E-Mail: percy.r.kanga@exxonmobil.com
<i>[Signature]</i>	Koehler, Brian	Voting	Southwest Research Institute Culebra Road Bldg.209 San Antonio, TX 78238-5166	Phone: (210) 522-3588 Fax: (210) 684-7523 E-Mail: bkoehler@swri.org
CK	Koglin, Cory	<i>Non-Voting</i>	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5305 Fax: 804-788-6358 E-Mail: cory.koglin@aftonchemical.com
<i>[Signature]</i>	Lind, Don	<i>Voting</i>	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1034 Fax: 412-365-1047 E-Mail: dml@astmtmc.cmu.edu
	Marougy, Thelma	Voting	Eaton Corporation 26201 Northwestern Highway Southfield, Michigan 48037	Phone: 248-354-6985 Fax: 248-354-2739 E-Mail: thelmaemarougy@eaton.com

* Initial to indicate attendance at subject meeting

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Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	Marty, Steve	Non-voting	Southwest Research Institute 6220 Culebra Road San Antonio, Texas 78238	Phone: 210-522-5929 Fax: 210-680-1777 E-Mail: smarty@swri.edu
	McGlone, Bruce	Voting	ArvinMeritor 2135 West Maple Troy, Michigan 48084	Phone: 248-435-9929 Fax: 248-435- 6602 6602 E-Mail: mcglone@arvinmeritor.com <i>mcglone@arvinmeritor.com</i>
	Reitmann, Kevin	Non-voting	PerkinElmer Fluid Sciences 5404 Bandera Road San Antonio, Texas 78238	Phone: 210-706-1546 Fax: 210-523-4614 E-Mail: Kevin.Reitmann@perkinelmer.com
	Shah, Rajesh	Non-voting	Koehler Instrument Company 1595 Sycamore Avenue Bohemia, New York 11716	Phone: 516-589-3800 Fax: 516-589-3815 E-Mail:
	Smith, Dale	Non-voting	Parc Technical Services Inc. 100 William Pitt Way Pittsburgh, Pennsylvania 15238	Phone: 412-423-1120 X 403 Fax: 412-826-5444 E-Mail: Dale.Smith@intertek.com
	Sullivan, Bill	Non-voting	WTSullivan, Inc. 5 Scheiber Drive Brick, New Jersey 08723	Phone: 908-930-3512 Fax: 267-220-7750 E-Mail: wtsullivan@comcast.net

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ASTM L-60-1 Surveillance Panel Membership/Mailing List

Meeting Date: February 11, 2009

Initials*	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	Ved. shintan	Non-voting	Ford- Trans & Driveline Lubrication 35500 Plymouth Rd. Livonia, MI 48150	Phone: 313-805-9695 Fax: 267-220-7750 E-Mail: cved@ford.com
	Vettel, Paula	Voting	D. A. Stuart Company 4580 Weaver Parkway Warrenville, Illinois 60555	Phone: 630-393-8859 Fax: 630-393-8577 E-Mail: pvettel@dstuart.net
	Villahermosa, Luis	Non-voting	AMSTA-TR-D/210 (Luis Villahermosa) U S Army Tank, Automotive, and Armament Command Warren, Michigan 48397-5000	Phone: 586-574-4207 Fax: 586-574-4123 E-Mail: villahel@cc.tacom.army.mil
	Whitton, Claire	Non-voting	Ethyl Research Center 500 Spring Street P. O. Box 2158 Richmond, Virginia 23218-2158	Phone: 804-788-5052 Fax: 804-788-6243 E-Mail: Claire_Whitton@ethyl.com
	Zakarian, Jack	Non-voting	Chevron Products Company 100 Chevron Way Richmond, California 94802-0627	Phone: 510-242-3595 Fax: 510-242-3758 E-Mail: jaza@chevron.com
	Mr. Wen Tung Lu	Non-voting	Research Institute of Petroleum (RIPP) No. 18 Xue Yuan Rd. PO Box 914-19 Beijing, China	Phone: 011-86-10-82236-8182 Fax: 011-86-139-1117-7663 E-Mail: luw@ripp-sinopec.com
	Mr. HaiQing Song	Non-voting	Research Institute of Petroleum (RIPP) No. 18 Xue Yuan Rd. PO Box 914-19 Beijing, China	Phone: 011-86-10-82236-8743 Fax: 011-86-10-6231-1290 E-Mail: songhq@ripp-sinopec.com
	Mr. Jing Chun Xie	Non-voting	Engine Test Lab Lanzhou Lube Oil R&D Institute No. 369 YU Men St. XiGu Dist. Lanzhou 730060 Gansu Prov. China	Phone: 011-86-931-793-3713 Fax: 011-86-139-9319-2560 E-Mail: xjc@lubeirdi.com.cn

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SCOTT PARKE VOTING
BRIDGET DWORNICZK NON VOTING

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over

L-60-1 Surveillance Panel Meeting

May 12, 2010 2:00 p.m. – 3:30 p.m.

BRTRC Facility – Warren, MI

L-60-1 Surveillance Panel

May 13, 2009

2:00 p.m. – 3:30 p.m.

BRTRC Facility – Warren, MI

Agenda

- I. Call to Order
- II. Agenda and Membership Review
- III. Approval of Meeting Minutes
 - May 13, 2009
 - September 25, 2009 (rating procedure and fixture)
- IV. Discuss Test Method section 10.8 wording
- V. Discuss calibration frequency
- VI. Discuss rating experiment and workshop data
- VII. New Business
- VIII. Adjournment

Attachment 3

L-60-1 Surveillance Panel Voting Members

Rick Graziano	The Lubrizol Corporation (Chairman)
Rachel Agustti	AMSTA-TR-D/210 US Army
Tom Bryson	Volvo Power Train Corporation
Greg Fett	Dana Corporation
Mike Haire	Chevron Global Lubricants
Brian Koehler	Southwest Research Institute
Cory Koglin	Afton Chemical Company
Don Lind	ASTM Test Monitoring Center
Thelma Marougy	Eaton Corporation
Bruce McGlone	ArvinMeritor Materials Engineering
Paula Vettel	D.A. Stuart Company

Total 11 Voting Members

Attachment 2

Email sent to SP for review and thoughts

It has been brought to my attention that in Test Method D 5704; Section 10, line 8; it is worded in away that does not direct how “reference tests” should be ruled when oil loss is considered. The current wording does direct in rulings for “non-reference tests”; however even in this direction it is still ambiguous at best. I would like to clean this up by restating 10.8 to direct us in a clear and direct matter. Below I have typed out the current 10.8 as it now appears in Test Method D 5704. Below that; I have a proposal to restate 10.8 (and add a 10.8.1) in an effort to have a precise statement concerning oil loss as related to validity

As you can see 10.8 directs how to calculate oil loss and 10.8.1 directs in validity rulings. We will be discussing this issue at the next SP meeting in May. We need to decide which proposal (A or B) best suits the L-60-1 test. I am soliciting feedback I would like to hear what you all think.

Test Method D 5704

Below is the current procedure (in black)

10.8 *At the completion of the test, immediately shut down the equipment, remove the air line, and drain the test lubricant into a clean weighed container. The gear case cover plate may be loosened to facilitate draining, but do not remove it. Drain the test stand for (30±5) min. Weigh the container of drain oil, and determine the drain oil mass by subtraction. Calculate the oil mass loss percent using Eq 1. Tests exceeding a mass loss of 20% are not representative of an operationally valid test and, therefore, cannot be properly interpreted for non-reference oil evaluation.*

$$\text{Oil loss in mass\%} = \frac{\text{initial mass} - \text{final mass}}{\text{Initial mass}} \times 100 \quad (1)$$

Where:

Initial mass = initial oil charge mass, and

Final mass = drain oil mass

Below are the suggested changes (in blue)

10.8 At the completion of the test immediately shut down the equipment; remove the air line; and drain the test lubricant into a clean weighted container. The gear case cover plate may be loosened to facilitate draining, but do not remove it. Drain the test stand for 30 minutes (±5 minutes). To determine the final oil weight measurement; weigh the container of drain oil and calculate the oil mass loss percent using the equation provided.

$$\text{Oil loss in mass\%} = \frac{\text{initial mass} - \text{final mass}}{\text{Initial mass}} \times 100$$

1. Proposal “A”

Reference tests and Non-Reference tests exceeding a mass loss of 20% are operationally “Invalid Tests”

Or proposal “B”

10.8.1 Non-Reference tests exceeding a mass loss of 20% are to be ruled Non-Interpretable. Reference tests exceeding a mass loss of 20% are operationally “Invalid Tests”

Attachment 4

Calibration frequency

- A request For reference frequency from Brian Koehler:
- Section 9.2.2: Change “Every 10 tests or three months, whichever occurs first” to “Every 15 non-reference tests or five months, whichever occurs first”.
- For instrumentation calibration frequency:
- Leave the wording generally the same which requires calibration before the reference (do not list candidate count or time). Probably should change section 9.6 wording of “Prior to a reference oil test” to the wording used in 8.10 which is “prior to the start of a calibration cycle on a stand”.