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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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September 02, 2014

Reply to:

Larry Hamilton

The Lubrizol Corporation

29400 Lakeland Blvd.

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ASTM D02.B0.03 L-60-1 Surveillance Panel

Members and Guests:

Attached for your review and comments are the unconfirmed minutes of the August 13, 2014

L-60-1 Surveillance Panel meeting held at Performance Review Institute, Warrendale PA.

Please direct any corrections or comments to my attention.

Sincerely,

Larry Hamilton; Chairman

L-60-1 Surveillance Panel

ASTM L-60-1 (D5704) Surveillance Panel Meeting Minutes

August 13, 2014

Performance Review Institute, Warrendale PA.

Meeting was called to order at 0905

Attendees: voting member in **BOLD**

AAM	J. Dharte
Afton	M. Keisler ; D. Bell; B. Kearney; J. Chalkley; K. Hobson
AMSTA-TAR	No Rep
BASF	No Rep
Eaton	No Rep
ExxonMobil	R. Banas
G. M.	K. Zreik
Intertek	A. Trader ; D. Smith
Lubrizol	L. Hamilton (Chairman) ; M. Umerley; C. Prensaman; J. Gropp
Meritor	No Rep
SwRI	R. Warden
TMC	S. Parke
Volvo	A. Athey

17 members in attendance; 7 voting members present

Sign-in and review of membership

The sign-in sheets, identifying attendance and voting membership, is included; see attachment # 1

Attendance was taken and voting membership reviewed.

Chairman will contact Galen Green of BASF about voting membership, until then he will stay on list.

Review of Agenda

The Agenda was reviewed and is included; see attachment # 2

Approval of meeting minutes

Chairman called for a vote to accept the May 2014 Surveillance Panel Meeting.

Motion by A. Trader, 2nd M. Keisler - Passed unanimously 7/0/0

Overview of L-60-1 Testing

L. Hamilton updated the group on events over the last 2 years in attempt to bring the Labs closer together statistically.

Discussion followed:

At the July Rater workshop Gear Rating of Sludge, C/V, and use of rating jig were compared. S. Parke reported that Raters agreed that everything outside the nut contact area will be rated; and do not use the template to determine rated area.

Do Labs need to get measurements on their test stand part sizes so we can set standard?

Can, Bushings and nut size contribute to varying pattern size on rated parts?

Should we make a new batch of nuts so all Lab use the same design and have same pattern size on rated parts?

Mark Keisler volunteers to make a batch of nuts identical to examples from Lubrizol.

Mark Keisler - Motion for Afton to manufacture nuts for L-60 test, with rounded shoulder, using the current print as a guide to manufacturing. 33 left, 33 right. Mark to provide detailed drawing for the new nuts for future production. 2nd by R. Warden - Passed unanimously 7/0/0

New Business

There was no New Business.

Adjournment

R. Warden Move to adjourn the meeting, 2nd by M. Keisler – Passed unanimously 7/0/0

Meeting was adjured at 0955

Respectfully Submitted;



Larry Hamilton
L-60-1 Surveillance Panel Chairman

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

Meeting Date: ~~May 07, 2014~~ ~~LONA~~ ~~8-13-2014~~
 August 13, 2014

Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	Aguirre, Nancy	Non-voting	Intertek Automotive Research 5404 Bandera Rd San Antonio TX 78238	Phone: 210-647-9428 Fax: E-Mail: Nancy.Aguirre@intertek.com
AAA	Athey, Allison	Voting	Volvo Group Trucks Technology 13302 Pennsylvania Avenue Hagerstown, Maryland 21740	Phone: 301-573-5684 Fax: E-Mail: allison.athey@volvo.com
RB	Banas, Rob	Voting	ExxonMobil Fuels Lubricants & Specialties 114 Arcadia Park Drive Canton, GA 30114	Phone: 678-493-3930 Fax: E-Mail: rob.banas@exxonmobil.com
	Barrera, Tony	Non-voting	Intertek Automotive Research 5454 Bandera Rd San Antonio TX 78238	Phone: 210-523-4653 Fax: E-Mail: tony.barrera@intertek.com
DB	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@aftonchemical.com
	Boschert, Tom	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5202 Fax: 804-788-6342 E-Mail: Tom.Boschert@aftonchemical.com
	Bubonic, Brad	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-5321 Fax: 440-347-2878 E-Mail: brad.bubonic@lubrizol.com
	Chambers, Harold	Non-voting	43945 Merrill Rd. Sterling Hts., MI 48314	Phone: (586) 770-4694 Fax: E-Mail: haroldchambers@gmail.com
	Clark, Jeff	Non-voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1032 Fax: 412-365-1047 E-Mail: fmf@astmtmc.cmu.edu
	Comfort, Allen	Voting	AMSTA-TR-D/210 (Allen Comfort) U S Army Tank, Automotive, and Armament Command Warren, Michigan 48397-5000	Phone: 586-282-4225 Fax: 586-282-4244 E-Mail: allen.s.comfort.civ@mail.mil

* Initial to indicate attendance at subject meeting

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Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
JRS	Dharte, John	Non-voting	American Axle 1 Dauch Dr Detroit, MI 48212	Phone: 313 758-4687 Fax: E-Mail: DharteJ@aam.com
	Dwornick, Bridget	Non-voting	AMSTRD-TAR-D/210 6501 E.11 Mile Rd Warren,MI 48397-5000	Phone: 586-282-4221 Fax: 586-282-4244 E-Mail: bridget.dwornick@us.army.mil
	Gottwald, Thomas	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5230 Fax: 804-788-6358 E-Mail: thomas.gottwald@aftonchemical.com
	Greene, Galen	Voting	BASF Corporation 100 Pash Ave Florham Pash, NJ	Phone: 973-873-4816 Fax: E-Mail: galen.greene@basf.com
JG	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
LH	Hamilton, Larry	Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2326 Fax: 440-347-2878 E-Mail: larry.hamilton@lubrizol.com
KH	Hobson, Kevin	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5375 Fax: 804-788-6358 E-Mail: kevin.hobson@aftonchemical.com
	Huron, John	Non-voting	Chevron Oronite 4502 Centerview Drive, Suite 210 San Antonio, Texas 78228	Phone: 210-731-5609 Fax: 210-731-5699 E-Mail: HURO@ChevronTexaco.com
	Jackson, Matt	Non-voting	Southwest Research Institute 6220 Culebra Road Bldg.209 San Antonio, TX 78238-5166	Phone: (210) 522-6981 Fax: E-Mail: matt.jackson@swri.org
	Kanga, Percy R.	Non-Voting	Commercial Vehicle, Marine & Gas Engine Lubricants ExxonMobil Research & Engineering 600 Billingsport Road Paulsboro, NJ. 08066	Phone: 856-224-2094 Fax: 856-224-3613 E-Mail: percy.r.kanga@exxonmobil.com

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<i>WAK</i>	Kearney, Bill	Non-voting	Afton Chemical Corporation 2000 Town Center Southfield, MI 48075	Phone: 248-350-0640 Fax: E-Mail: bill.kearney@aftonchemical.com
<i>WPK</i>	Keisler, Marc	Voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5617 Fax: E-Mail: marc.keisler@aftonchemical.com
	Koehler, Brian	Non-voting	Southwest Research Institute 6220 Culebra Road Bldg.209 San Antonio, TX 78238-5166	Phone: (210) 522-3588 Fax: (210) 684-7523 E-Mail: bkoehler@swri.org
	Koglin, Cory	Non-voting	Afton Chemical Corporation 2000 Town Center Suite 1160 Southfield, MI 48075	Phone: 248-996-0386 Fax: E-Mail:
	Marougy, Thelma	Non-voting	Eaton Corporation 26201 Northwestern Highway Southfield, Michigan 48037	Phone: 248-354-6985 Fax: 248-354-2739 E-Mail: thelmaemarougy@eaton.com
	McGlone, Bruce	Voting	Meritor 2135 West Maple Troy, Michigan 48084	Phone: 248-435-9929 Fax: 248-435-6602 E-Mail: Bruce.McGlone@meritor.com
	Mosher, Donna	Non-voting	Eaton Corporation 13100 E Michigan Ave Galesburg, Michigan 49053	Phone: 269-342-3039 Fax: E-Mail: donnammosher@eaton.com
	Muransky, Troy	Non-voting	Meritor 2135 West Maple Troy, Michigan 48084	Phone: 248-435-1409 Fax: E-Mail: troy.muransky@meritor.com
	O'Brien, Cheryl	Non-voting	General Motors	Phone: 248-343-7347 Fax: E-Mail: cheryl.obrien@gm.com
<i>SP</i>	Parke, Scott	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

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Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
ch	Prengaman, Chris	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4225 Fax: 440-347-2878 E-Mail: chris.prengaman@lubrizol.com
	Recinos, Will	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5323 Fax: E-Mail: william.recinos@aftonchemical.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:
ASJ	Smith, Dale	Non-voting	Intertek Automotive Research 5404 Bandera Rd San Antonio TX 78238	Phone: 412-855-6854 Fax: 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
	Suresh, Arunya	Non-voting	BASF Corporation 100 Pash Ave Florham Pash, NJ	Phone: 914-262-8715 Fax: E-Mail: arunya.suresh@basf.com
	Thorpe, Ryan	Non-voting	Southwest Research Institute Culebra Road Bldg.209 San Antonio, TX 78238-5166 6220	Phone: (210) 522-6404 Fax: (210) 684-7523 E-Mail: ryan.thorpe@swri.org
ATI	Trader, Angela	Voting	Intertek Automotive Research 5404 Bandera Rd San Antonio TX 78238	Phone: 210-706-1533 Fax: E-Mail: angela.trader@intertek.com
MU	Umerley, Matt	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4589 Fax: 440-347-2878 E-Mail: matthew.umerley@lubrizol.com
	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

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RW	Warden, Rebecca	Voting	Southwest Research Institute 6220 Culebra Road Bldg.209 San Antonio, TX 78238-5166	Phone: (210) 522-6266 Fax: (210) 522-6858 E-Mail: Rebecca.Warden@swri.org
	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
	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
KZ	Zreik, Khaled	Non-voting	General Motors	Phone: 248-977-9214 Fax: E-Mail: khaled.zreik@gm.com
JWC	CHALKLEY, JARROD	NV	ASTM CHEMICAL	Phone: 804 788 5052 Fax: E-Mail: JARROD.CHALKLEY@ASTMChemical.com
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
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L-60-1 Surveillance Panel

August 13, 2014

Performance Review Institute, Warrendale PA.

Agenda

For those not traveling, the call-in number will be 216-706-7052; Code 324160

- I. Call to Order
- II. Membership and agenda review
- III. Approval of the November 2013 SP meeting minutes.
- IV. Gear Rating of Sludge, Carbon/Varnish and use of rating Jig
- V. New Business
- VI. Adjournment

Voting Members

1. Allison Athey
2. Allen Comfort
3. Bob Banas
4. Brian Koehler / Rebecca Warden
5. Bruce McGlone
6. Dale Smith / Angela Trader
7. Galen Greene
8. Larry Hamilton
9. Marc Keisler
10. Scott Parke

ATTACHMENT #3

- **Rated area for L-60.**
 - **The procedure states that we are to exclude the gear teeth and the spacer bushing contact area.**
 - **There is, technically, only a spacer bushing on the rear face of the gear, since the excluded area on the front of the gear is called the “washer nut” area.**
 - **Another problem is that each lab uses a slightly different size washer nut.**
 - **For now, we all agreed that we would only use the template to determine percentages of surface area on the gears and not to determine the rated area.**
 - **Scott is going to bring this up to the surveillance panel and see if they want to come up with a specification for the washer nut size.**
 - **Rate sludge before we put the gears on the rating stand, so that none of the sludge would get disturbed.**