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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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February 19, 2013

Reply to:

Larry Hamilton

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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 February 6, 2013

L-60-1 Surveillance Panel meeting held at Automation Alley; Troy, MI

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
Automation Alley, MI
02/06/2013

Attendees: voting member in **BOLD**

AAM	J. Dharte
Afton	M. Keisler ; T. Gottwald, D. Bell; K. Hobson; B. Kearney; C. Koglin
AMSTA-TAR	A. Comfort; B. Dwornick
BASF	No Rep - call in unavailable
Eaton	T. Marougy
ExxonMobil	R. Banas
G. M.	K. Zreik
Intertek	D. Smith ; A. Trader; T. Barrera
Lubrizol	L. Hamilton ; J. Gropp; M. Umerley; W. Venhoff; B. Bubonic; C. Prengaman
Meritor	B. McGlone ; T. Muransky
SwRI	B. Koehler
TMC	S. Parke
Volvo	No Rep - call in unavailable

Sign-in and review of membership

Attendance was taken and voting membership reviewed. Thomas Gottwald from Afton requested that Marc Keisler be coincided as his replacement to become voting member for Afton.

Motioned by Thomas Gottwald (Afton) and **Seconded** by Bruce McGlone (Meritor) to except Marc Keisler as voting member for Afton. **Passed 7-0-0**

The sign-in sheets, identifying attendance and voting membership, are included; see attachment #3.

Review of Agenda

The Agenda was reviewed and is included; see attachment #1

Approval of meeting minutes

November 7th; 2012, Surveillance Panel Meeting and the November 30th 2012 Phone Conference Call

Motioned by Bruce McGlone (Meritor) and **Seconded** by John Dharte (AAM) to except the minutes.

Passed 7-0-0

Sole source calibration of Venture Flow Meter

This topic has been postponed till next meeting. Dale Smith will be presenting data on this topic.

L-60-1 Rating Jig

Scott Parke. presented comments from the January Rating workshop, that the Raters in attendance took a vote and recommended that the rating jig be accepted for use in the industry (A picture of the rig was shown to the panel).

Thomas Gottwald; shared that an outside machine shop was contracted to manufacture these units. The cost will be approximately \$300.00.

Mark Keisler; shared that there are several minor improvements to be made to the prototype used at the January workshop. This will be addressed prior to making more.

There was open discussion that a reference point should be provided to the raters to allow for more consistent view point to evaluate the gears the same between raters.

Scott Parke; these rigs have been used at the workshops have been used for several meetings – and has had favorable response. The raters use this setup in a seated position.

There was a certain amount of discussion over if the raters head should be fixed in space – the raters were not strongly favorable to this. Although this discussion leads some to believe the Rater still used different angles to look at the gears. See attachment #2

Inertek's rater Tony Barrera shared that by using this jig; we've eliminated distance from the light and the angle of the gear to the light, and quite liked it.

Mark Keisler; offer that the final drawings are not prepared yet. Marc shared that they will get these made and will require a 4 week build time.

Jerry Gropp; supports the thought of figuring out how to keep the rater's heads in similar positions.

Allen Comfort; Likes the jig, and feels we've eliminated as much of the variables as we feasible can with this setup.

The panel will review status and any final drawings at the May panel meeting.

Scott Parke; has looked at data and does not feel that it will introduce any additional variability to the test. There are a set of instructions that guide the raters in use of the jig. These instructions will also be reviewed for clarity.

Motioned by A. Comfort (US Army) and **Seconded** by M. Keisler (Afton) to approve use of the jig at the labs, labs are to acquire the jig and begin using for all candidate & reference testing beginning with the first reference after August 1st 2013. The procedure / instructions will be updated to provide better understand of how to use the Jig when rating. **Passed 7-0-0**

Action Item: Updates to be completed by Scott Parke and the Raters for May meeting.

Information Letter 10-1

IL 10-1 has not been added to the current L-60-1 Test Method

New Business

There was no New Business.

Adjournment

Motioned by Thomas Gottwald (Afton) and **Seconded** by Dale Smith (Intertek); to adjourn meeting.

Motion Passed 7-0-0

Respectfully Submitted;

A handwritten signature in blue ink that reads "Larry Hamilton". The signature is written in a cursive, flowing style.

Larry Hamilton

L-60-1 Surveillance Panel Chairman

Attachment #1

L-60-1 Surveillance Panel

February 6, 2013

Automation Alley Troy, MI

Agenda

- I. Call to Order
- II. Membership and agenda review
- III. Approval of the November 2012 SP meeting minutes.
- IV. Sole source calibration requirement for the venture flow meter. See section 6.1.8.2 and footnote 16
- V. L-60 1 Rating Jig
- VI. Information Letter 10-1*
- VII. New Business
- VIII. Adjournment

*Larry Hamilton (Lubrizol) reported that the latest version of the test procedure D5704-12 states that "this edition incorporates revisions in all Information Letters through 11-2". In fact Information Letter 10-1 was not incorporated into this version. Frank Farber of the TMC will follow up with ASTM to ensure its addition later this year.

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

Voting Members

1. Allison Athey
2. Bob Banas
3. Thomas Gottwald
4. Galen Greene
5. Larry Hamilton
6. Brian Koehler
7. Bruce McGlone
8. Scott Park
9. Dale Smith

Attachment #2

#3 Practice/proposed L-60 Rating Procedure

- Handle the gears at the gear teeth lands to avoid any contact of the rated area.
- Use a cool white type fluorescent 4500 K color temperature light's with a minimum illumination level of 200 foot-candles for rating gears.
- Place the gear on the gear rating fixture with the keyway vertical, front side up.
- Wipe a $\frac{3}{4}$ inch wide area across the diameter of the face of the gear along the keyway. Wipe the gear five times in the same direction.
- Position the light on gear rating holder on the two brackets on top. Verify light fixture is approximately level in all directions.
- Rate the top half of the gear looking down on the gear, positioning oneself at near eye level. ***Gear at 45 degrees, look at gear at same plane, 45 degrees, approx.***
- Do not rate the gear teeth or the spacer bushing contact area.
- Rotate the gear 180 degrees and rate the other half of the gear.
- Turn the gear over and repeat the rating procedure for the back side.
- Use any of the three Rating Scales (A, B or C) for Non-Rubbing Parts in CRC Manual No. 20 to determine the varnish rating.
- Do not use new test parts, such as a gear or the washer nut area of the test gear as a 10.0 rating reference point.
- Use same method for small gear.

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

Meeting Date: February 6, ~~2012~~ 2013

Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
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AB	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
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
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TG	Gottwald, Thomas	Voting NV	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5230 Fax: 804-788-6358 E-Mail: thomas.gottwald@aftonchemical.com

* Initial to indicate attendance at subject meeting

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	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
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	Koehler, Brian	Voting	Southwest Research Institute Bldg.209 San Antonio, TX 78238-5166	6220 Culebra Road Phone: (210) 522-3588 Fax: (210) 684-7523 E-Mail: bkoehler@swri.org
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	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	Voting	Intertek Automotive Research 5454 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
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* Initial to indicate attendance at subject meeting