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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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Corrected June 04, 2015

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 18, 2015

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

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

February 18, 2015

PRI, Warrendale PA

Meeting was called to order at 10:28 AM

Attendees: voting member in **BOLD**

AAM	J. Dharte
Afton	M. Keisler; D. Bell; J. Chalkley
AMSTA-TAR	No Rep
BASF	O. Dykhno, A. Goyal
Eaton	No Rep
ExxonMobil	R. Banas; P. Kanga
G. M.	No Rep
Intertek	A. Trader (Voting for D. Smith)
Lubrizol	L. Hamilton (Chairman); C. Prengaman; J. Gropp; M. Umerley; B. Foecking
Meritor	No Rep
SwRI	B. Koehler (voting for R. Warden)
TMC	S. Parke
Volvo	No Rep

16 members in attendance; 8 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.

A. Trader will vote for Intertek; D. Smith

B. Koehler will vote for SwRI; R. Warden

Motion by A. Trader to remove G. Green from voting member and replace with O. Dykhno of BASF.

2nd by M. Keisler Passed 6-0-0

Motion by M. Keisler to add J. Dehart of AAM to be added as a voting member,

2nd by O. Dykhno Passed 7-0-0

Review of Agenda

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

Approval of meeting minutes

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

Motion by M. Keisler, 2nd R. Banas - Passed 8-0-0

RO 155-1 donated test results

S. Parke of the TMC presented 17 test results See attachment # 3

S. Parke stated there are 22 can of RO 151-2 distributed at Labs. There is not much time until we are out of this oil.

Discussion followed on the data presented. How do we set proper targets?

M. Keisler stated **the targets should be set with the current 155-1 data** and adjusted as needed when we gathered more data on 155-1

B. Koehler stated targets should be based on 155-1 donated runs once stand severity adjustments have been applied using EWMA for that stand/parameter/day

Motion by M. Keisler to accept RO 155-1 using targets proposed by S. Parke. Then review targets at 30 tests and adjust and lock targets.

2nd by S. Parke

Lengthy discussion followed about proper way to set targets while capturing Lab severity so targets are not biased by Labs running **severe** or mild.

Vote was call for by chairman. The motion failed 1-4-3

Chairman directed S. Parke to gather and send out date showing the 17 test results with No SA; with SA add; and with continuous SA. Chairman will then schedule a teleconference to decide the correct process.

Motion by B. Koehler to discontinue the donating RO 155-1 tests

2nd by A. Trader Passed 8-0-0

Review wording of 10.3 in ASTM Procedure

L. Hamilton present a re-wording and clarification of 10.3 as it concerns validity of tests not reaching test conditions with 45 to 60 minutes on warm up. **See attachment # 4**

Motion by M. Keisler to approve wording as present in attachment #4

2nd by B. Koehler Passed 8-0-0

New Business

There was no New Business.

Adjournment 1217 PM

Motion by J. Dehart to adjourn the meeting,

2nd by A. Trader Passed 8/0/0

Respectfully Submitted;



Larry Hamilton

L-60-1 Surveillance Panel Chairman

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

ATTACHMENT #1

Meeting Date: February 18, 2015

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
	Athey, Allison	Voting	Volvo Group Trucks Technology 13302 Pennsylvania Avenue Hagerstown, Maryland 21740	Phone: 301-573-5684 Fax: E-Mail: allison.athey@volvo.com
per	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
DEB	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
JWC	Chalkley, Jarrod	Non-voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788- Fax: E-Mail: Jarrod.Chalkley@aftonchemical.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@astrntmc.cmu.edu

* Initial to indicate attendance at subject meeting

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

Meeting Date: February 18, 2015

Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
	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
<i>JR</i>	Dharte, John	Non-voting 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
<i>AD</i>	Dykhno, Olga	Non-voting	BASF Corporation 100 Pash Ave Florham Pash, NJ	Phone: Fax: E-Mail: olga.dykhno@basf.com
	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
<i>JL</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
	Hamilton, Larry	Non-voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2326 Fax: 440-347-2878 E-Mail: larry.hamilton@lubrizol.com
	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

* Initial to indicate attendance at subcommittee meeting

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

Meeting Date: February 18, 2015

Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
<i>PR/KS</i>	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
<i>WAK</i>	Kearney, Bill	Non-voting	Afton Chemical Corporation 2000Town Center Southfield, MI 48075	Phone: 248-350-0640 Fax: E-Mail: bill.kearney@aftonchemical.com
<i>MSK</i>	Keisler, Marc	Voting	Afton Chemical Corporation 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5617 Fax: E-Mail: marc.keisler@aftonchemical.com
<i>BK</i>	Koehler, Brian	Non-voting <i>Voting this meeting only</i>	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

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

Meeting Date: February 18, 2015

Present / Initial	Name	Voting Status	Company Name & Address	Phone & Fax & E-Mail
<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
<i>CP</i>	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:
	Smith, Dale	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	Phone: (210) 522-6404 Fax: (210) 684-7523 E-Mail: ryan.thorpe@swri.org
<i>AT</i>	Trader, Angela	<i>alternate</i> Non-voting	Intertek Automotive Research 5404 Bandera Rd San Antonio TX 78238	Phone: 210-706-1533 Fax: E-Mail: angela.trader@intertek.com
<i>MU</i>	Umerley, Matt	Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4589 Fax: 440-347-2878 E-Mail: matthew.umerley@lubrizol.com

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Present / Initial	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
	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
	Zreik, Khaled	Non-voting	General Motors	Phone: 248-977-9214 Fax: E-Mail: khaled.zreik@gm.com
<i>lm</i>	Goyal, ARJUN	<i>Non voting</i>	<i>BA&F 500 white Plains Road Tarrytown, NY 10591</i>	Phone: <i>914-785-2083</i> Fax: E-Mail: <i>ARJUN.Goyal@BA&F.com</i>
<i>BJF</i>	<i>BRIAN FOECKING</i>	<i>NON</i>	<i>Lubrizol 29400 Lakeland BLVD 44092</i>	Phone: <i>(440)347 2130</i> Fax: E-Mail: <i>bjf@lubrizol.com</i>
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:

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				Phone: Fax: E-Mail:
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				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:
				Phone: Fax: E-Mail:

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L-60-1 Surveillance Panel

February 18, 2015

PRI, Warrendale PA

Agenda

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

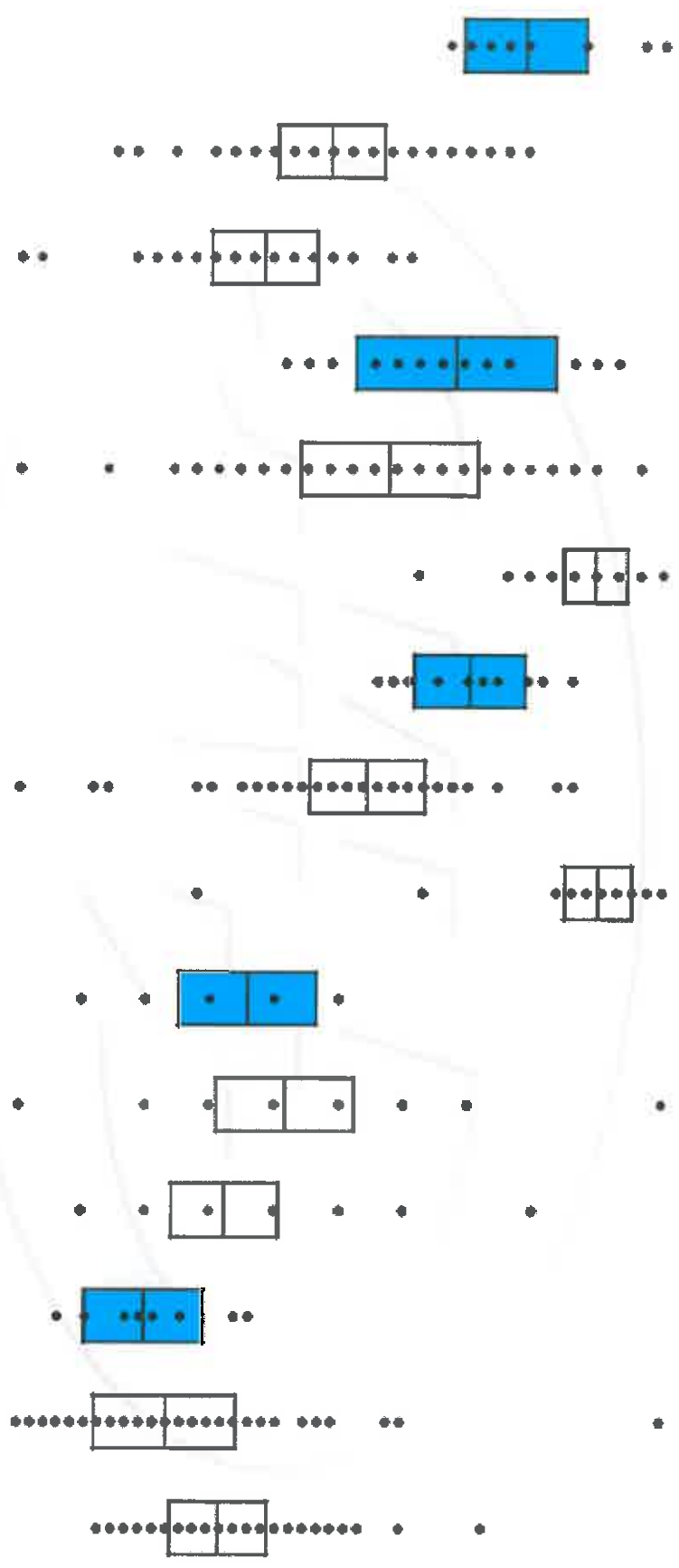
- I. Call to Order
- II. Membership and agenda review
- III. Approval of the November 12, 2014 SP meeting minutes.
- IV. Review of RO 155-1 donated test results to date - TMC
- V. Review wording of 10.3 of the Test Procedure
- VI. New Business
- VII. Adjournment

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

L-60-1 155-1 Results

EOT >=20100101
UNITS=ORIGINAL



N	Min	Max	Mean	Std	Category
237	5.9	8.7	7.811	0.357	ACV 148-1
280	4.6	9.3	8.206	0.517	ACV 151-2
17	7.6	9	8.371	0.436	ACV 155-1
237	9	9.7	9.476	0.082	ASL 148-1
280	8.8	9.8	9.383	0.106	ASL 151-2
17	9.3	9.7	9.441	0.106	ASL 155-1
237	0.1	3.2	0.521	0.224	PEN 148-1
280	0.7	4.4	2.066	0.381	PEN 151-2
17	0.7	2	1.388	0.372	PEN 155-1
237	0.1	1.2	0.401	0.14	TOL 148-1
280	0.2	3	1.332	0.398	TOL 151-2
17	0.3	1.8	1.035	0.451	TOL 155-1
237	33	53	40.46	2.666	VISI 148-1
280	27	48	37.08	2.705	VISI 151-2
17	20	31	27.18	3.127	VISI 155-1

Current 10.3

10.3 Record the time, turn on the main drive motor, and adjust the temperature control system to maintain the bulk test lubricant temperature at $325 \pm 1^{\circ}\text{F}$ ($162.8^{\circ}\text{C} \pm 0.6^{\circ}\text{C}$). Heat the bulk oil test temperature from ambient to 324°F (162.2°C) in a minimum of 45 min. This heat-up time shall not exceed 60 min. **Tests with heat-up times less than 45 min or greater than 60 min are not representative of an operationally valid test and, therefore, cannot be properly interpreted for non-reference oil evaluation.** The end-of-heat-up/test start time shall be the first occurrence of 324°F (162.2°C).

Proposed 10.3

10.3 Record the time, turn on the main drive motor, and adjust the temperature control system to maintain the bulk test lubricant temperature at $325 \pm 1^{\circ}\text{F}$ ($162.8^{\circ}\text{C} \pm 0.6^{\circ}\text{C}$). Heat the bulk oil test temperature from ambient to 324°F (162.2°C) in a minimum of 45 min. This heat-up time shall not exceed 60 min. **Any Test with heat-up times less than 45 min or greater than 60 min is operationally invalid.** The end-of-heat-up/test start time shall be the first occurrence of 324°F (162.2°C).