

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

August 12, 2015

Don Bell

Participants: Please see attached membership list in Appendix.








The OSCT Surveillance Panel meeting was called to order at 1:00 pm on 8/12/2015.

The Panel reviewed the 12 voting OSCT member list. Olga Dykhno from BASF has taken a new position on the business side and thus will no longer be attending OSCT Surveillance Panel meetings. A motion was made by D. Smith and 2nd by J. Dharte to replace O. Dykhno as an OSCT voting member by A. Goyal of BASF and passed unanimously (8 approved).

A motion made by J. Gropp and 2nd by D. Smith to approve the OSCT Surveillance Panel meeting minutes on the TMC website from 5/13/2015 was unanimously approved with 8 votes.

There are multiple baths available at Lubrizol and SWRI for conducting ASTM D5662 testing with no bath related issues or severity concerns. Intertek has one bath for conducting polyacrylate and fluoroelastomer seals, but not nitrile. According to a report issued by the Testing Monitoring Center (TMC) for the reporting period of 10/2014 thru 3/2015, the severity and precision of polyacrylate, fluoroelastomer, and nitrile for all parameters are within limits.

The following seal inventory at Test Engineering Institute (TEI) as of 8/4/2015 was reviewed and found that seal inventory has been adequate to keep up with demand.

 PA351	TEI has 47 approved slabs
 PA352	TEI has 117 approved slabs
 PA353	TEI has 300 on order as of 7/23/2015
 FL397	TEI has 132 approved slabs
 FL398	TEI has 182 slabs – awaiting qualification data to be reported to TMC
 NI345	TEI has 43 approved slabs
 NI346	TEI has 280 approved slabs

Reference oil, TMC 168, for use as a nitrile reference oil is nearing depletion with <4.6 gallons remaining and is not re-blendable.

Afton has identified a TMC 168 replacement oil, GO-14092-0201, and blended 1 drum to be coded TMC 170 by the TMC.

	TMC 168	Potential Replacement Oil (SWRI data)	Drum of GO-14092-0201, TMC 170 (SWRI data)
% elongation change	-73.6	-70.4/-65.7/-68.1	-70.1
% vol change	1.1	2.0/2.4/2.6	2.3
Shore hardness	3	2.5/3.0/1.0	1.0

A drum of TMC 170 was shipped to the TMC for them to pour into smaller pails and ship to SWRI and Lz for them to conduct ASTM D5662 OSCT NI testing side-by-side with the current TMC 168 reference oil. Once sufficient data is collected by the TMC, perhaps at least 6 runs at both labs, the OSCT Chairman will call a Surveillance Panel meeting to review the data and determine acceptance limits for TMC 170.

A motion was made by J. Gropp and 2nd B. Grinfield that requires Lz and SWRI to conduct ASTM D5662 testing with a category reference oil, TMC 155-1, on all three elastomers. The motion passed unanimously with 8 approvals. Once the testing is completed, the data will be submitted to the TMC and the OSCT Chairman will call a Surveillance Panel meeting to review the data.

A motion for adjournment was made by B. Grinfield and 2nd by D. Smith and approved unanimously with 8 votes at 1:23 pm on 8/12/2015.

Respectfully Submitted,

Don Bell



Appendix

OSCT Surveillance Panel Meeting

8/12/2015

OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: August 12, 2015

Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
	NV	Nancy Aguirre	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9428 FAX: e-Mail: Nancy.AGUIRRE@intertek.com
POP	V	Rob Banas	ExxonMobil Lubricants and Specialties 114 Arcadia Park Drive Canton, GA 30114	Phone: 678-493-3930 FAX: e-Mail: Rob.a.banas@exxonmobil.com
	NV	Tony Barrera	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: FAX: e-Mail: Tony.barrera@intertek.com
DRB	V	Don Bell <i>Chairperson</i>	Afton Chemical Corp. 500 Spring Street Richmond, VA 23219	Phone: 804-788-6332 FAX: 804-788-6243 e-Mail: don.bell@aftonchemical.com
Z Bishop	NV	Zack Bishop	TEI	email: zbishop@tei-net.com
	NV	Tom Boschert	Afton Chemical Corp. 500 Spring St. Richmond, VA 23219	Phone: 804-788-5202 FAX: 804-788-6243 e-Mail: Tom.boschert@aftonchemical.com
	NV	Brad BuBonic	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-5325 FAX: 440-347- e-Mail: Brad.bubonic@lubrizol.com
	NV	Harold Chambers	Linamar Driveline Systems Travelers Tower 1 26555 Evergreen Rd. Ste. 900 Southfield, MI 48076	Phone: 248-358-6038 FAX: 248-355-3558 e-Mail: hchambers@Linamar.com
	NV	Angelina Chan	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347- FAX: 440-347- e-Mail: Angelina.Chan@lubrizol.com

OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: 8/12/15

Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
	NV	Jeff Clark	Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206	Phone: 412-365-1032 FAX: 412-365-1047 e-Mail: jac@astmtmc.cmu.edu
	V	Allen Comfort	US Army TACOM RDTA-DP/MS110 6501 E. 11 Mile Road Warren, MI 48307-5000	Phone: 586-282-4225 FAX: 586-282-4244 e-Mail: Allen.s.comfort@us.army.mil
<i>JAD</i>	V	John Dharte	American Axle 1 Dauch Drive Detroit, MI 48211	Phone: 313-758-4687 FAX: 313-758-4237 e-Mail: dhartej@aam.com
	NV	Bridget Dwornick	US Army RDECOM/TARDEC RDTA-DP/210 MS 110 6501 E 11 Mile Road Warren, MI 48397-5000	Phone: 586-282-4221 FAX: 586-282-4244 e-Mail: Bridget.dwornick@us.army.mil
	V	Olga Dykhno	BASF <i>new position w/in BASF so no longer DSCC voter</i>	Phone: Olga.dykhno@basf.com e-Mail: 914-785-2083
<i>Arjun</i>	NV V	Arjun Goyal	BASF <i>replaced by A. Goyal</i>	Phone: Arjun.goyal@basf.com e-Mail: 440-347-2130
	NV	Brian Foecking	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347- FAX: 440-347- e-Mail: bjf@lubrizol.com
<i>Rebecca</i>	V	Rebecca Grinfield	Southwest Research Institute P.O. Drawer 28510 San Antonio, TX 78228-0510	Phone: 210-522-3652 FAX: 210-522-5907 e-Mail: bgrinfield@swri.org
<i>Jerry</i>	V	Jerry Gropp	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-1223 FAX: 440-347-5337 e-Mail: jlg@lubrizol.com
<i>LH</i>	NV	Larry Hamilton	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-2326 FAX: e-Mail: Larry.hamilton@lubrizol.com

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<i>PH</i>	NV	Percy Kanga	ExxonMobil Research and Engineering 600 Billingsport Rd. Paulsboro, NJ 08066	Phone: 856-224-2094 FAX: 856-224-3613 e-Mail: Percy.r.kanga@exxonmobil.com
	NV	Bill Kearney	Afton Chemical Corp Southfield, MI	Phone: 248-350-0640 FAX: e-Mail: Bill.kearney@aftonchemical.com
	NV	Brian Koehler	Southwest Research Institute P.O. Drawer 28510 San Antonio, TX 78228-0510	Phone: 210-522-3588 FAX: e-Mail: Brian.koehler@swri.org
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<i>PH</i>	V	Clayton Knight	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	Phone: 210-690-1958 FAX: 210-877-0228 e-Mail: cknight@tei-net.com
	V	Bruce McGlone	Meritor 2135 West Maple Troy, MI 48084	Phone: 248-435-9929 FAX: 248-435-6602 e-Mail: Bruce.McGlone@meritor.com
	V	Donna Mosher	Eaton Corporation 13100 E. Michigan Avenue Galesburg, MI 49053	Phone: 269-342-3039 FAX: 269-746-6039 e-Mail: donnamosher@eaton.com

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	V	Scott Parke	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, PA 15206	Phone: 412-365-1033 FAX: 412-365-1047 e-Mail: sdp@astmtmc.cmu.edu
	NV	Chris Pregel	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-4225 FAX: e-Mail: crpr@lubrizol.com
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