

## Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

November 8, 2017

Don Bell

### Participants:

Please see attached attendance list in Appendix.

An OSCT Surveillance Panel meeting was called to order by D. Bell at 11:03 am on 11/8/2017 via Webex at Automation Alley in Troy, MI.

The OSCT voting member list of eleven was reviewed with the Panel and deemed acceptable with sufficient industry representation. The attached attendance list was initialed by all attendees, and those who attended via Webex/phone are highlighted on the attendance sheet.

A motion made by B. Grinfield and 2<sup>nd</sup> by D. Mosher was unanimously approved with seven votes to approve the OSCT Surveillance Panel meeting minutes from 8/9/2017 that are posted on the TMC website.

There are multiple baths available at Labs B, C and G with no known issues for conducting ASTM D5662 testing.

The polyacrylate (PA) slab inventory at Test Engineering Institute (TEI) as of 11/1/2017 was reviewed as follows:

- PA358: Approved 11/2/2017, TEI has 171 slabs
- PA359: Approved 6/15/2017, but TEI has 0 slabs TEI
- PA360: TEI has 267 slabs
  - Lab C: 160-1---1 pass  
169-----1 pass acceptable runs
  - Lab B: 160-1----1 invalid/2 valid runs but failing  
169-----1 invalid/1 valid run, both passed
  - Lab G: 160-----1 pass  
169-----1 pass
- PA361: TEI received 10/26/2017 and sent out to all 3 labs for qualification testing
- PA362: TEI ordered 10/10/2017

The fluoroelastomer (FL) slab inventory at TEI as of 11/1/2017 was reviewed as follows:

- FL403: Approved 3/22/2017, and TEI has 28 slabs
- FL404: Approved 7/17/2017, and TEI has 116 slabs
- FL405: TEI has 184 slabs
  - Lab C: passing results
  - Lab B: status pending

- Lab G: testing complete

The nitrile (NI) slab inventory at TEI as of 11/1/2017 was reviewed as follows:

- NI348: TEI has 130 approved slabs
- NI349: TEI ordered 9/22/2017

D. Bell kindly requested that all labs promptly complete qualification testing to avoid inventory shortages. The labs should email [don.bell@aftonchemical.com](mailto:don.bell@aftonchemical.com) upon submission of qualification data to TMC to allow for tracking.

Indian Oil Co. requested elastomer slabs from TEI, but were told they could not obtain slabs because they are not a participating lab. It was recommended for them to conduct D5662 testing at SWRI or Intertek.

TMC submitted the information letter 17-1 to ASTM, but they objected and deleted the reference of McMaster-Carr washer from section 8.4 revision proposal as highlighted in red below. Use 316 stainless steel M6 washers meeting DIN 125 specification as spacers in between the specimens to aid in the separation (an example of a washer meeting this requirement is McMaster-Carr item number 90965A170). ASTM's justification was that this appeared to be an endorsement of this particular washer supplier.

TMC 160-1 PA and FL reference oil cannot be rebleded since a base oil is no longer available. A drum of the TMC 160-1 oil, now called TMC 171, has been blended by with an alternate base oil. TMC distributed TMC 171 to all three labs to conduct 1 run each per elastomer with the new reference oil, along with a current reference oil, for reporting results to TMC. TMC will graph and distribute TMC 171 data to the Panel for approval when available from all 3 labs.

A question arose about the status of the D5662 testing required each September on the TMC155-1 category reference oil. All three labs have completed the September 2016 request for D5662 testing on PA and FL with TMC 155-1 as reported in the 8/9/2017 minutes. The Panel approved the data showing all three labs met the J2360 limits of D5662 for volume %, elongation change, and shore hardness. TMC is still waiting for TMC 155-1 data from two of the three labs for the requested September 2017 runs.

A motion made by A. Goyal and 2<sup>nd</sup> by B. Grinfield to adjourn the OSCT meeting at 11:23 am on 11/8/2017 was unanimously approved.

Respectfully Submitted,



Don Bell

# Appendix

# OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: Nov. 8, 2017

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 e-Mail: Nancy.AGUIRRE@intertek.com
<i>RB</i>	V	Rob Banas	ExxonMobil Lubricants and Specialties 114 Arcadia Park Drive Canton, GA 30114	Phone: 678-493-3930 e-Mail: Rob.a.banas@exxonmobil.com
<i>DB</i>	NV	Dylan Beck	TMC	e-Mail: djb@astmtmc.cmu.edu
<i>DB</i>	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
<i>[Signature]</i>	NV	Brad BuBonic	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-5325 e-Mail: Brad.bubonic@lubrizol.com
<i>A.C.</i>	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>[Signature]</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
	V	Vince Donndelinger	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-6589 e-Mail: Vince.donndelinger@lubrizol.com
<i>EA</i>	NV	Eric Donovan	Afton Chemical Corp. 500 Spring Street Richmond, VA 23219	Phone: 804-788-5097 e-Mail: Eric.donovan@aftonchemical.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.l.dwornick.civ@mail.mil
	NV	Brian Foecking	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	Phone: 440-347-2130 e-Mail: bjf@lubrizol.com





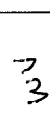

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Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
<i>Arjun</i>	NV	Arjun Goyal	BASF 500 White Plains Road Tarrytown, NJ 10951	Phone: 914-785-2083 e-Mail: Arjun.goyal@basf.com
<i>Rebecca</i>	V	Rebecca Grinfield	Southwest 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>Derek</i>	NV	Derek Grosch	TEI	e-Mail: dgrosch@tei-net.com
	NV	Kimberly Gutierrez	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	e-Mail: kimberly.hernandez@intertek.com
<i>Percy</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
<i>Bill</i>	NV	Bill Kearney	Afton Chemical Corp Southfield, MI	Phone: 248-350-0640 e-Mail: Bill.kearney@aftonchemical.com
<i>Clayton</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
	NV	Dan Lancot	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	Phone: dlanctot@tei-net.com e-Mail: dlanctot@tei-net.com
	V	Mike Lopez	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	e-Mail: mike.lopez@intertek.com
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<i>Jeff</i>	NV	Jeff Milner	Tianhe Chemical	Phone: 804-252-6928 e-Mail: jimilner@Tianhe.us.com
<i>Donna</i>	V	Donna Mosher	BASF 100 Park Ave. Florham Park, NJ	Phone: 269-217-1715 e-Mail: Donna.mosher@basf.com

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Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
	NV	Robert Opperman	Meritor 2135 West Maple Rd. Troy, MI 48084	Phone: 248-435-1544 e-Mail: Robert.Opperman@meritor.com
	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
	V	Jule Rucker	Meritor 2135 West Maple Rd. Troy, MI 48084	Phone: 248-435-1430 e-Mail: Jule.Rucker@meritor.com
	NV	Eric Sattler	US Army TACOM RDTA-DP/MS110 6501 E. 11 Mile Road Warren, MI 48307-5000	Phone: 586-282-2272 e-Mail: Eric.r.sattler.civ@mail.mil
	NV	Dale Smith	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 412-855-6854 e-Mail: Dale.smith@intertek.com
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