

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

June 17, 2022

Don Bell

Participants listed on attachment in Appendix.

An OSCT Surveillance Panel Webex virtual meeting was called to order by D. Bell at 10:04 am on 6/17/2022.

D. Beck from the Test Monitoring Center (TMC) reviewed the FL415 elastomer qualification data below submitted to TMC by Labs C and G. Data in both TMC reference oils, TMC 169 and 171 are shown along with the passing %elongation, shore hardness, and %volume change.

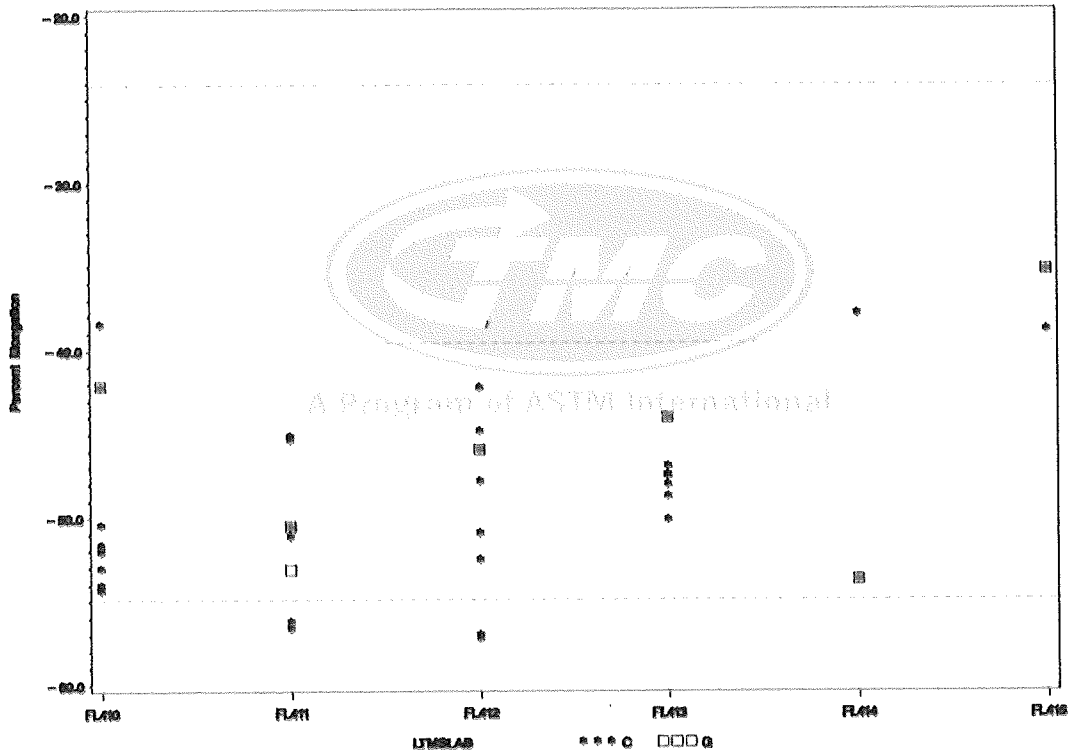
FL415 Elastomer Approval						
		Lab C	Validity	PELA Y(i)	SAHA Y(i)	PVCA Y(i)
169	Approval Run	169594-OSCT	NI	0.1001	-0.8462	-0.2817
	Accompanying Ref	168859-OSCT	AC			
171	Approval Run	168860-OSCT	NI	0.6977	-0.1725	-0.8052
	Accompanying Ref	168859-OSCT	AC			

FL415 Elastomer Approval						
		Lab G	Validity	PELA Y(i)	SAHA Y(i)	PVCA Y(i)
169	Approval Run	166138-OSCT	NI	0.6152	-2.1538	0.5634
	Accompanying Ref	165164-OSCT	AC			
171	Approval Run	165165-OSCT	NI	1.3535	-1.1941	-0.3056
	Accompanying Ref	165164-OSCT	AC			

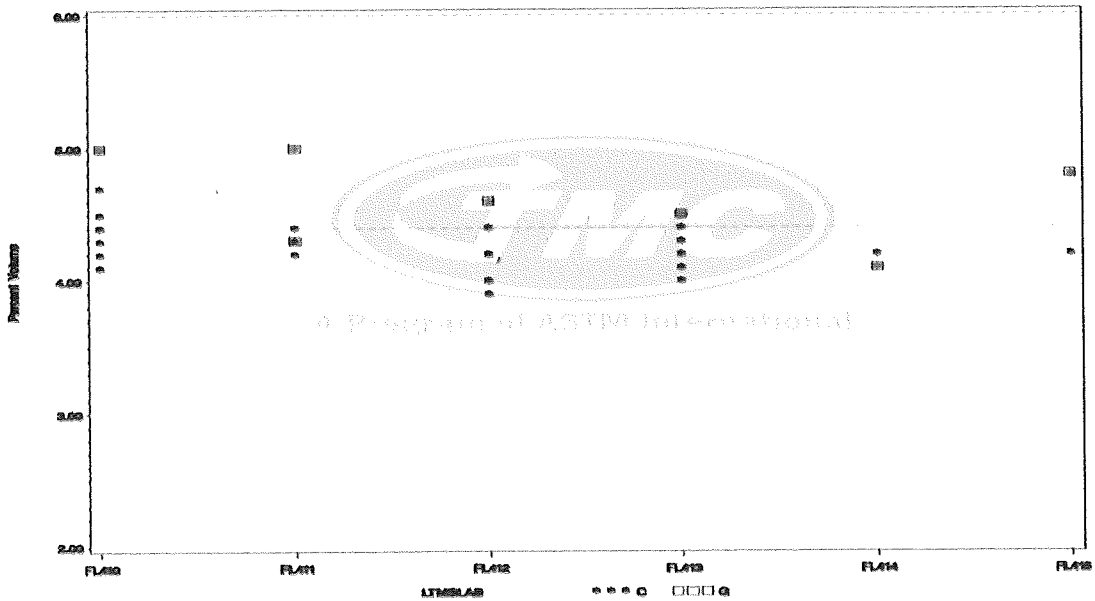
Y(i) limits = +/- 2.200

TMC plotted the following data from each lab for both reference oils for FL410 through FL415 to show comparative data.

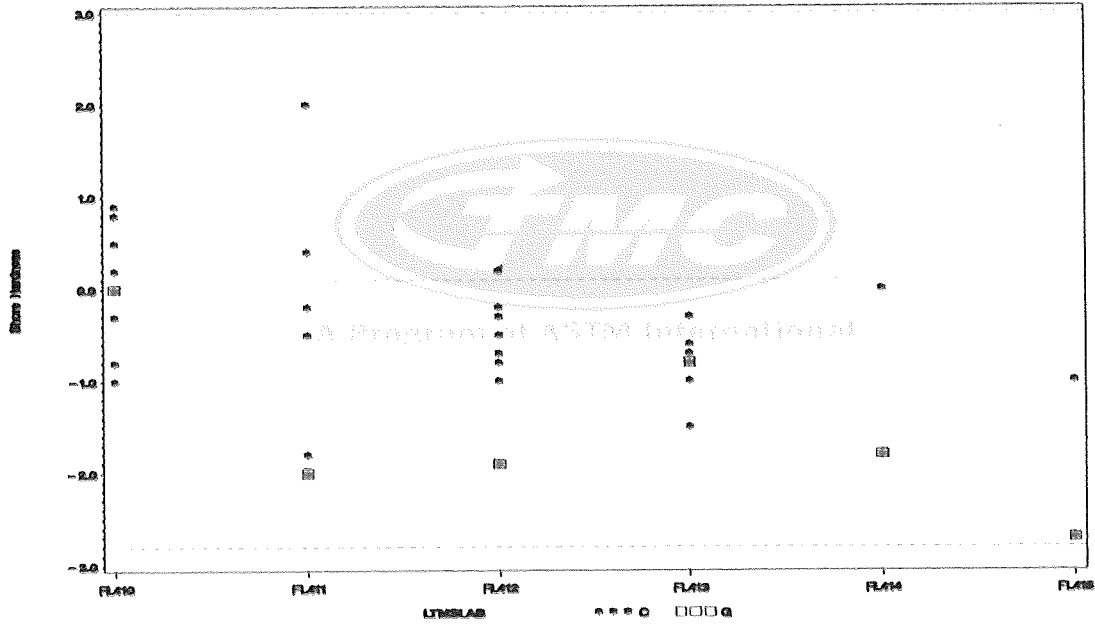
OSCT (FL)
 Reference Oil 169 (Mean = -39.5)
 Percent Elongation Results VS Shewhart Severity Limits



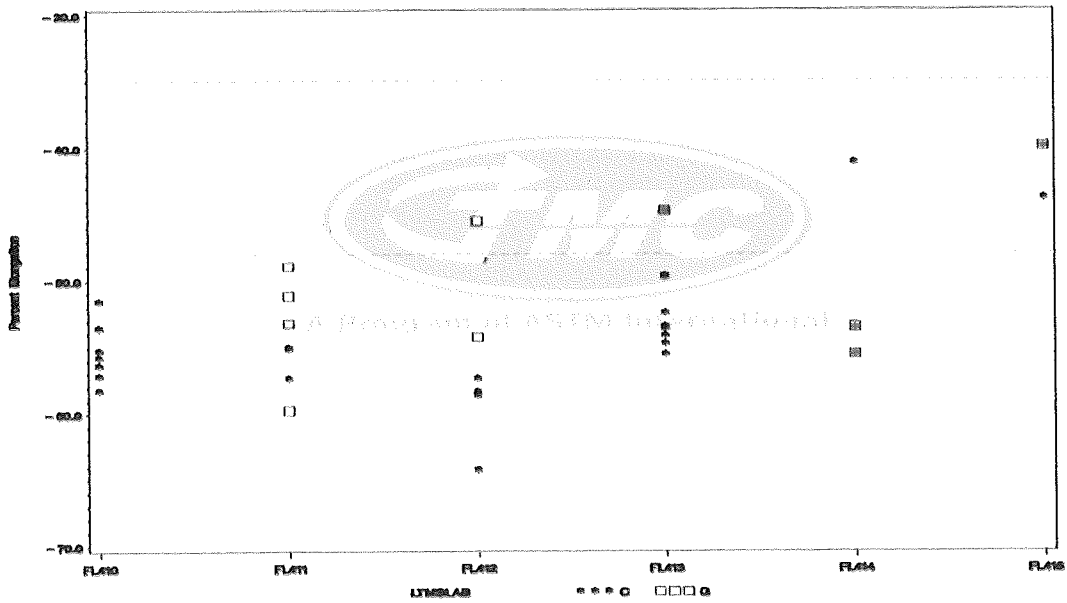
OSCT (FL)
 Reference Oil 169 (Mean = 4.4)
 Percent Volume Results VS Shewhart Severity Limits



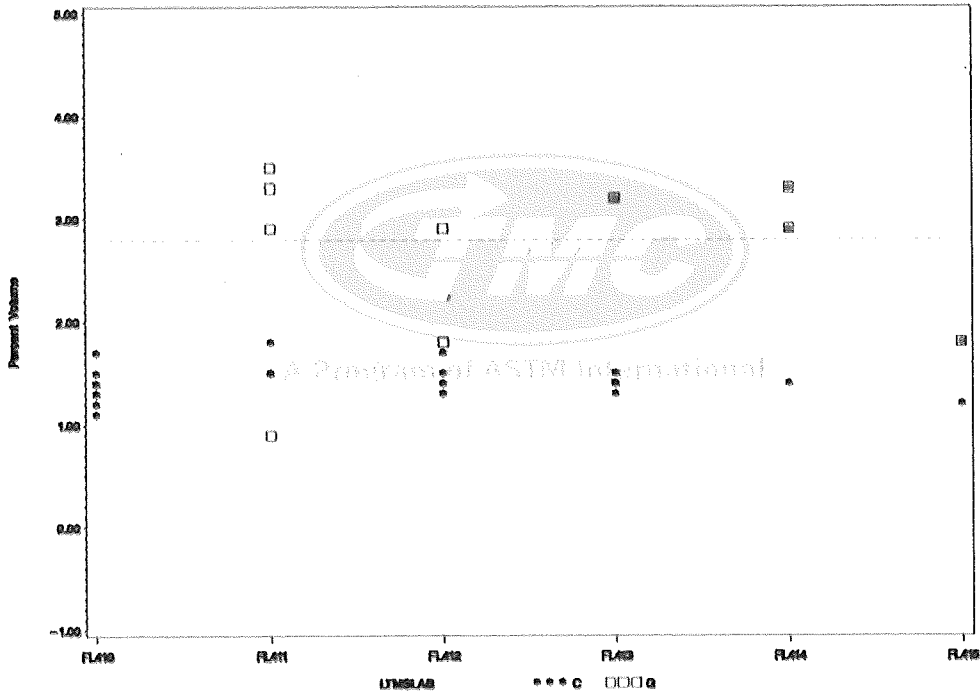
OSCT (FL)
Reference Oil 169 (Mean = 0.1)
Shore Hardness Results VS Shewhart Severity Limits



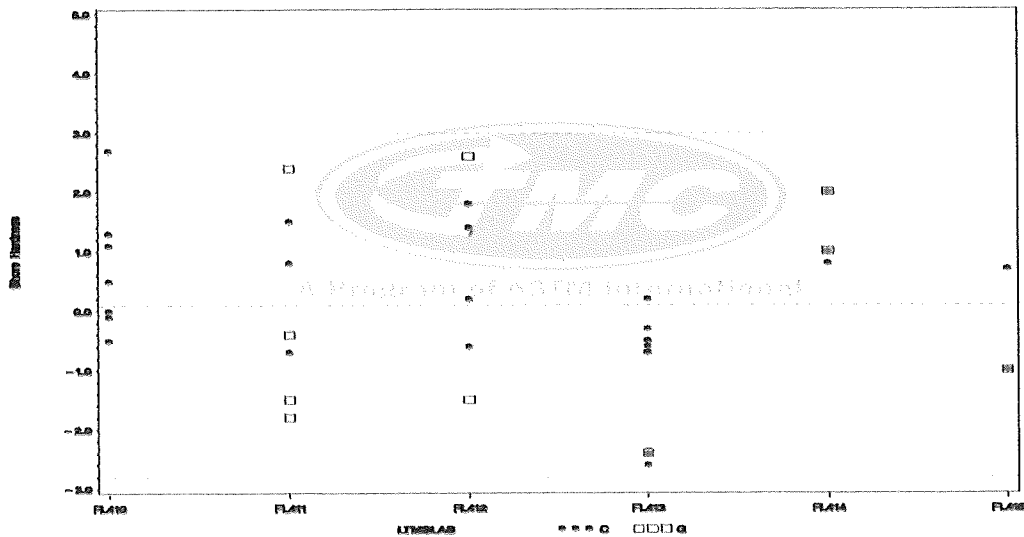
OSCT (FL)
Reference Oil 171 (Mean = -47.949)
Percent Elongation Results VS Shewhart Severity Limits



OSCT (FL)
 Reference Oil 171 (Mean = 2.167)
 Percent Volume Results VS Shewhart Severity Limits



OSCT (FL)
 Reference Oil 171 (Mean = 0.987)
 Shore Hardness Results VS Shewhart Severity Limits



The FL415 data was within the Y(i) acceptable limits for %elongation, shore hardness, and %volume change in both reference oils 169 and 171.


A motion made by D. Bell and 2nd by T. Muransky was unanimously approved with 6 votes to effectively immediately on 6/17/2022 approve FL415 for ASTM D5662 testing.

C. Knight of Test Engineering Institute (TEI) was instructed to release FL415 for sale as orders are received.

There was not sufficient representation from Labs C or G to provide the status of NI testing, so D. Bell will follow-up with both labs to obtain the status via email.

A motion made by D. Bell and 2nd by T. Muransky to adjourn the OSCT Panel Webex was unanimously approved with 6 votes, so the meeting was adjourned at 10:12 am.

Respectfully submitted,

A handwritten signature in black ink that reads "Donald R. Bell". The signature is written in a cursive style with a large initial 'D'.

Donald R. Bell
OSCT Chairman

Appendix

OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: June 17, 2022

Initials	V = Voting NV = Non-	Name	Company & Address	Phone:	e-Mail:
	V	Rob Banas	ExxonMobil Lubricants and Specialties 114 Arcadia Park Drive Canton, GA 30114	678-493-3930	Rob.a.banas@exxonmobil.com
	NV	Steve Bealko	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	440-347-4356	steven.bealko@lubrizol.com
DB	V	Dylan Beck	TMC 203 Armstrong Dr. Freeport, PA	412-365-1037	dib@astmtmc.org
DB	V	Don Bell <i>Chairperson</i>	Afton Chemical Corp. 500 Spring Street Richmond, VA 23219	804-788-6332	don.bell@aftonchemical.com
	V	Mike Cabaj	McLaren/Linamar	313-820-0119	Michael.cabaj@linamar.com
	V	Jason Carter	Meritor		Jason.carter@meritor.com
	NV	Jeff Clark	TMC 203 Armstrong Dr. Freeport, PA	412-365-1032	jac@astmtmc.org
	V	Allen Comfort	US Army CCDC-GVSC RDTA-DP/MS110 6501 E. 11 Mile Road Warren, MI 48307-5000	586-282-4225	Allen.s.comfort.civ@army.mil
	NV	Brian Foecking	The Lubrizol Corporation 29400 Lakeland Blvd. Wickliffe, OH 44092	440-349-2130	bjf@lubrizol.com
	NV	Arjun Goyal	BASF 500 White Plains Road Tarrytown, NJ 10951	914-785-2083	Arjun.goyal@basf.com
BO	V	Rebecca Grinfield	Southwest Research Institute P.O. Drawer 28510 San Antonio, TX 78228-0510	210-522-3652	becky.grinfield@swri.org

Initials	NV = Non-voting	Name	Company & Address		
KG	NV	Kimberly Gutierrez	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	e-Mail:	kimberly.hernandez@intertek.com
	NV	Dan Horvath	Afton Chemical 2000 Town Center Southfield, MI 48075	e-Mail:	dan.horvath@aftonchemical.com
	NV	Brad Jordan	Shell	Phone: e-Mail:	804-516-1238 Brad.jordan@shell.com
CK	V	Clayton Knight	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	Phone: e-Mail:	210-690-1958 cknight@tei-net.com
	NV	Dan Lanctot	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	e-Mail:	dlanctot@tei-net.com
	NV	Jessica LaBond	Meritor 2135 W. Maple Rd. Troy, MI 48084	Phone: e-Mail:	248-872-3055 jessica.labond@meritor.com
	NV	Anthony Lange	Intertek 5404 Bandera Rd. San Antonio, TX 78238	Phone: e-Mail:	210-634-1103 anthony.lange@intertek.com
	V	Mike Lopez	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	e-Mail:	mike.lopez@intertek.com
	V	Donna Mosher	BASF 100 Park Ave. Florham Park, NJ	Phone: e-Mail:	269-217-1715 Donna.mosher@basf.com
	NV	Caroline Mueller	SWRI	Phone: e-Mail:	210-522-2671 Caroline.louis@swri.org
TM	V	Troy Muransky	AAM 1840 Holbrook Detroit, MI 48212	e-Mail:	troy.muransky@aam.com
	NV	Suzanne Neal	Daimler Trucks/Detroit Diesel	e-Mail:	Suzanne.neal@daimler.com

MS	NV	Matt Sangpeal	Afton Chemical Ashland Technical Center 11289 Central Drive Ashland, VA 23005	Phone: e-Mail:	804-788-5364 matt.sangpeal@aftonchemical.com
	NV	Eric Sattler	US Army CCDC-GVSC RDTA-DP/MS110 6501 E. 11 Mile Road Warren, MI 48307-5000	e-Mail:	Eric.r.sattler.civ@army.mil
	NV	Robert Slocum	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	e-Mail:	robert.slocum@lubrizol.com
WV	V	Wes Venhoff	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	e-Mail:	Wes.venhoff@lubrizol.com
	NV	Dairene Uy	Shell	e-Mail:	dairene.uy@shell.com
	NV	Khaled Zreik	General Motors	Phone: e-Mail:	248-977-9214 Khaled.zreik@gm.com
AZ	NV	Amy Zyski	Dana Inc. 3939 Technology Drive Maumee, OH 43537	Phone: e-Mail:	419-887-3432 Amy.zyski@dana.com