

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

April 2, 2024

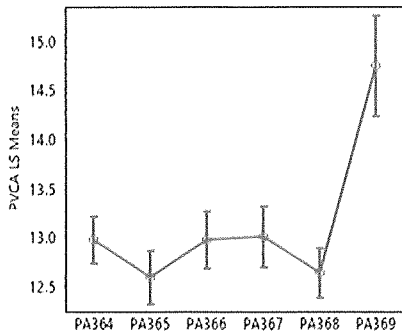
Don Bell

Participants listed on attachment in Appendix.

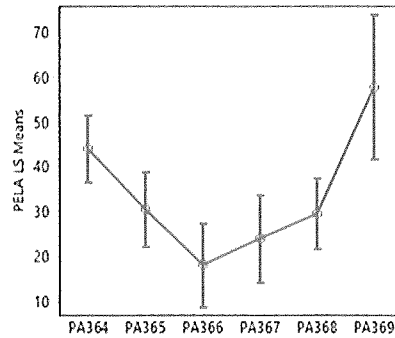
An OSCT Surveillance Panel virtual Team meeting was called to order by D. Bell at 10:03 am on 4/2/2024.

The Stats Group, along with the assistance of TMC, compiled and plotted the ASTM D5662 data for percent volume change (PVCA), shore hardness change (SAHA), and percent elongation change (PELA) for the past six lots of polyacrylate (PA364 thru PA369) in both reference oils TMC 169 and TMC 171. The objective was to determine if these parameters for the recent unapproved lot of PA369 were significantly different than the parameter from the five previously approved lots of PA. The findings were that PA369 is significantly higher than all other batches for percent volume change and percent elongation change only in TMC 169, but not significantly different for shore hardness, although

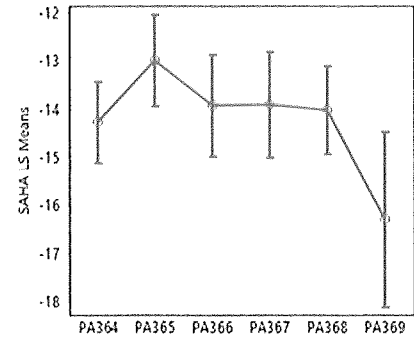
Least Squares Means Plot



Least Squares Means Plot

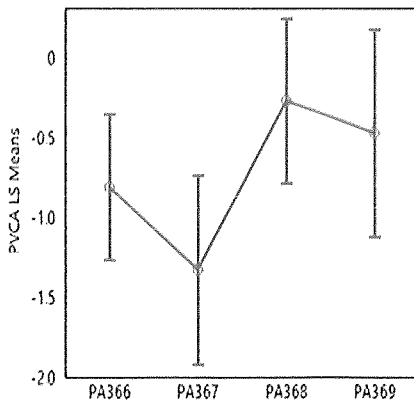


Least Squares Means Plot

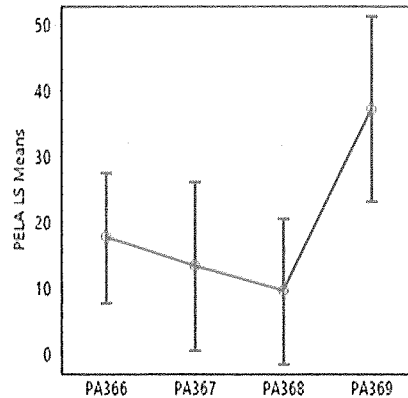


The findings in TMC 171 is that PA369 is significantly higher than all other batches for percent elongation change only, but not significantly different for percent volume change or shore hardness.

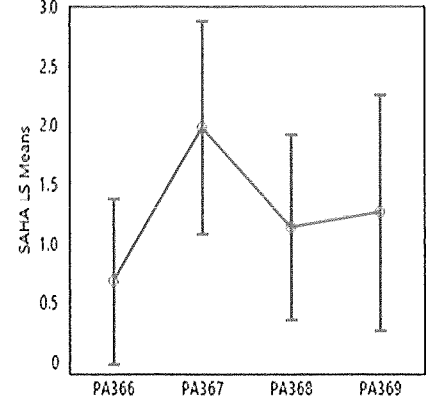
Least Squares Means Plot



Least Squares Means Plot



Least Squares Means Plot



Test Engineering Institute (TEI) and both labs have no more approved lots of PA for referencing the newest lot of PA370 that has recently been sent to both labs for qualification testing.

Both labs did send TMC passing qualification data with PA369, but some of the repeats deviated far from the mean as shown in the previous plots.

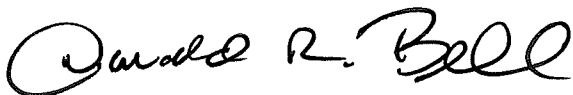
The Panel understood the riskiness of approving PA369, but also felt we did not have much of a choice without having any approved PA lots to conduct more qualification or candidate testing. Therefore, it was recommended to revisit the additional data to be collected on PA369 at the next OSCT Panel meeting on May 8, 2024.

A motion made by D. Bell and 2nd by Becky Grinfield to approve PA369 effective immediately was approved with 6 votes yes and 2 abstentions. The motion also requires that the PA369 data be received at the May 8th OSCT Panel meeting. TMC will provide the PA369 data to the Stats Group by the end of April for plotting for presentation at the May 8th OSCT Panel meeting.

TEI to release PA369 for sale.

A motion made by D. Bell and 2nd by B. Grinfield to adjourn the meeting at 10:35 am was unanimously approved with 8 votes.

Respectfully submitted,

A handwritten signature in black ink that reads "Donald R. Bell". The signature is written in a cursive, flowing style.

Donald R. Bell/Chairman

Appendix

Oil Seal Compatibility Surveillance Panel

Date: 4/2/2024

Initials	V = voting NV = Non-voting	Name	Company & Address	e-Mail	Phone #
	V	Nick Ariemma	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	nick.ariemma@lubrizol.com	
RB	V	Rob Banas	ExxonMobil Technology and Engineering Co. 535 Thomas Lane Waleska, GA 30183	rob.banas@exxonmobil.com	770-833-5920
DB	V	Dylan Beck	TMC 203 Armstrong Dr. Freeport, PA	djb@astmtmc.org	412-365-1037
DB	V	Don Bell (Chairman)	Afton Chemical 500 Spring St. Richmond, VA 23219	don.bell@aftonchemical.com	804-788-6332
	NV	Tobias Bender	Fuchs Lubricants	tobias.bender@fuchs.com	708-737-1681
	NV	Maxim Burgman	Fuchs Lubricants	maxim.burgman@fuchs.com	248-846-3120
	NV	Bob Campbell	Afton Chemical	bob.campbell@aftonchemical.com	
MC	NV	Margaret Caridi	BASF 500 White Plains Rd. Tarrytown, NY 10591	margaret.caridi@basf.com	845-216-5535
	V	Jessica Carowick	Cummins-Meritor 2135 W. Maple Rd. Troy, MI 48084	jessica.carowick@cummins.com	248-872-3055
SC	V	Steve Carr	Dana	steve.carr@dana.com	
	NV	Michael Charron	SWRI	michael.charron@swri.org	
	V	Allen Comfort	US Army CCDC-GVSC RDTA- DP/MS110 6501 E. 11 Mile Rd. Warren, MI 48307- 5000	allen.s.comfort.civ@army.mil	586-282-4225

	NV	Hector DeLaFuente	Chevron Oronite 4502 Cenerview Suite 210 San Antonio, TX 78228	hdelafuente@chevron.com	210-867-8612
AG	NV	Arjun Goyal	BASF 500 White Plains Rd. Tarrytown, NY 10591	arjun.goyal@basf.com	914-330-4362
BG	V	Becky Grinfield	SWRI	becky.grinfield@swri.org	
KG	V	Kimberly Gutierrez	Intertek Automotive Research 5404 Bandera Rd. San Antonio, TX 78238	kimberly.hernandez@intertek.com	
	NV	Hyeok Hahn	Chevron	hyeok.hahn@chevron.com	408-507-2848
	NV	Dan Horvath	Afton Chemical 2000 Town Center Southfield, MI 48075	dan.horvath@aftonchemical.com	
	NV	John Huron	Chevron Oronite 4502 Cenerview Suite 210 San Antonio, TX 78228	john.huron@chevron.com	210-731-5609
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	NV	Brad Jordan	Shell	brad.jordan@shell.com	804-516-1238
CK	V	Clayton Knight	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	cknight@tei-net.com	210-690-1958
	NV	Dan Lanctot	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	dlanctot@tei-net.com	
	NV	Anthony Lange	Intertek Automotive Research 5404 Bandera Rd. San Antonio, TX 78238	anthony.lange@intertek.com	210-634-1103
	NV	Mahdi M-Pour	Tribodens		
	V	Jeanelle Morris	Navistar 2701 Navistar Dr. Lisle, IL 60532	jeanelle.morris@navistar.com	

DM	V	Donna Mosher	BASF 100 Park Ave. Florham Park, NJ	donna.mosher@basf.com	269-217-1715
	NV	Caroline Mueller	SWRI	caroline.louis@swri.org	210-522-2671
	V	Troy Muransky	AAM 1840 Holbrook Detroit, MI 48212	troy.muransky@aam.com	
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	NV	Michael Portell	Intertek	michael.portell@intertek.com	210-896-8012
	NV	Kevin Rettmann	Chevron Oronite 4502 Cenerview Suite 210 San Antonio, TX 78228	kevin.rettmann@chevron.com	
	NV	Matt Sangpeal	Afton Chemical Ashland Technical Center 11289 Central Drive Ashland, VA 23005	matt.sangpeal@aftonchemical.com	804-788-5364
	NV	Eric Sattler	US Army CCDC-GVSC RDTA- DP/MS110 6501 E. 11 Mile Rd. Warren, MI 48307- 5000	eric.sattler.civ@army.mil	
	NV	Nick Schaup	Lubrizol 29400 Lakeland Blvd. Wickliffe, OH 44092	nick.schaup@lubrizol.com	
	NV	Addison Schweitzer	Shell	addison.schweitzer@shell.com	
	NV	Dale Smith	Intertek		
	NV	Dairene Uy	Shell	dairene.uy@shell.com	
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	NV	George Zarins	AAM	george.zarins@aam.com	586-854-8810
	NV	Khaled Zreik	GM	khaled.zreik@gm.com	248-977-9214
AZ	NV	Amy Zyski	Dana Inc. 3939 Technology Dr. Maumee, OH 43537	amy.zyski@dana.com	419-887-3432

AS
TK

NV
NV

Amanda Stone
Travis Kostan

Afton
SWRI