

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

May 13, 2026

Don Bell

Participants listed on attachment in Appendix.

Action Items:

- C. Knight of TEI to release the newly approved FL422 for sale as orders are received from test labs and distribute PA 373 & 374 for qualification testing at both labs
- D. Bell to work with TMC to have the two new reference oil replacements (TMC 170-1 and 172) data sent to Stat Group to obtain their guidance on additional testing to set limits

An OSCT Surveillance Panel Teams meeting was called to order by D. Bell at 9:35 am on 5/13/2026.

The 16 voting member list was reviewed. B. Tansue replaced D. Beck as the TMC voting member with no other changes.

A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 11 votes to approve the OSCT meeting minutes from 2/11/2026.

Both labs C and G confirmed that there are no testing issues at either lab.

The seal inventory provided by the Test Engineering Institute (TEI) was reviewed:

Polyacrylate:

- PA372---146 approved slabs
- PA373---300 unapproved slabs to be sent to both labs by TEI for qualification testing
- PA374---300 unapproved slabs to be sent to both labs by TEI for qualification testing

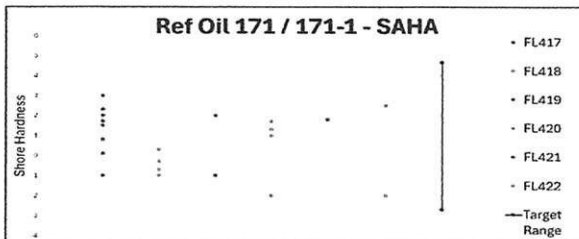
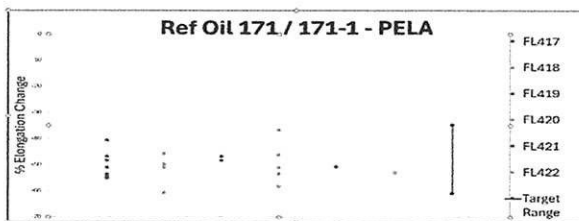
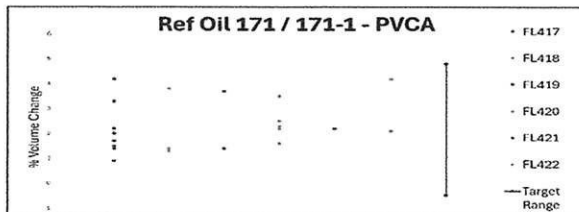
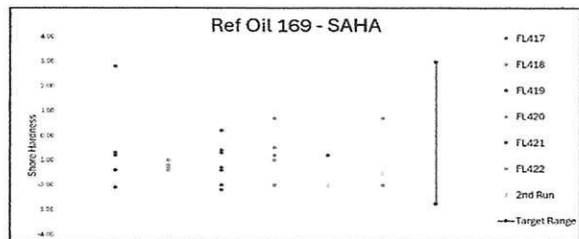
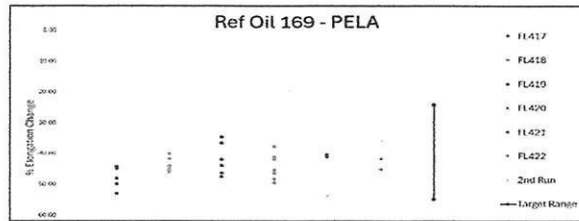
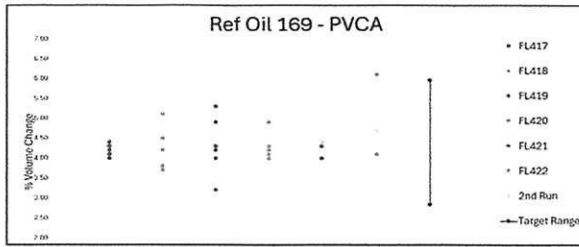
Fluoroelastomer:

- FL422---178 unapproved slabs, so qualification data from both labs was reviewed as noted below
- FL423---TEI recently placed order for ~200 slabs

Nitrile:

- NI354---58 approved slabs, but expired this month
- NI355---65 approved slabs, but only with TMC 169 (not TMC 170)
- NI356---272 approved slabs, but only with TMC 169

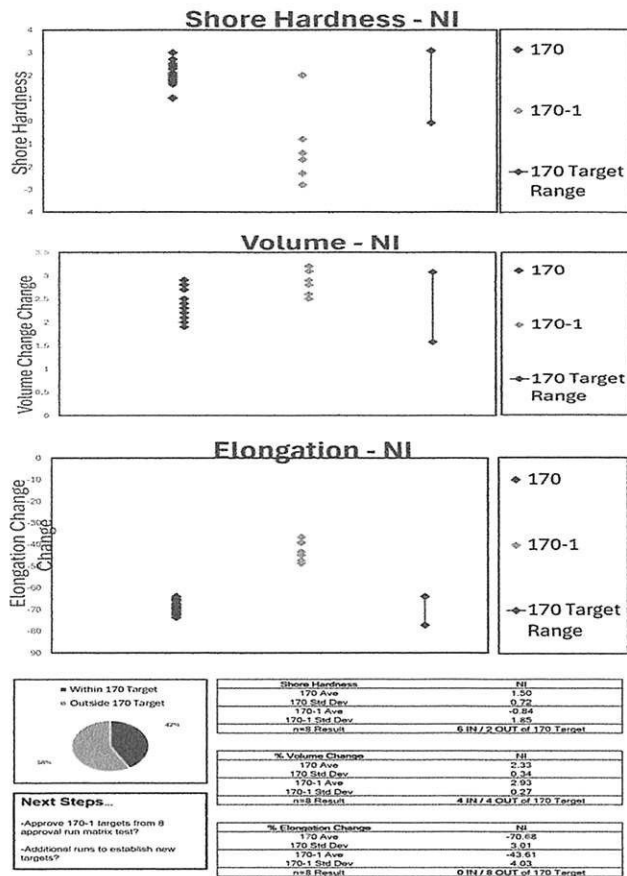
Fluoroelastomer FL 422 Qualification Data From Both Labs Compiled by TMC:



A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 11 votes to effective immediately approve FL422 for use in ASTM D5662 candidate testing.

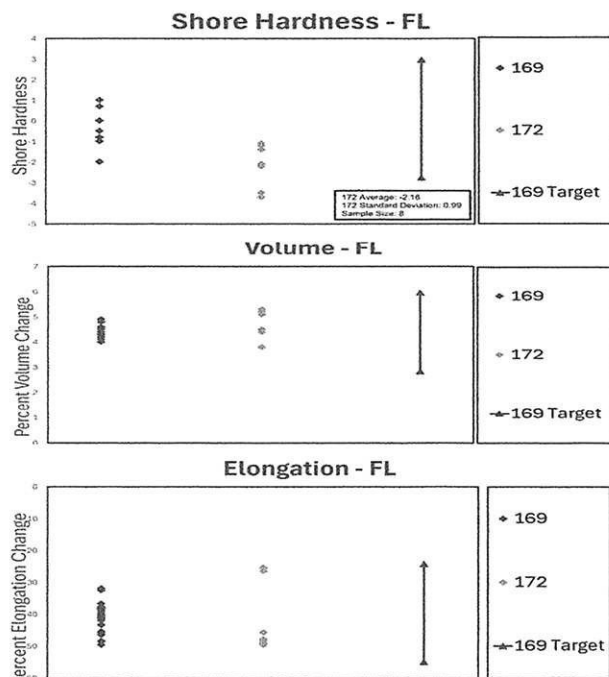
TMC 170-1 is a reblend of TMC 170 for NI testing. Both labs completed the matrix testing of 2 runs per bath per elastomer with TMC 170-1 run along side accompanying TMC 170.

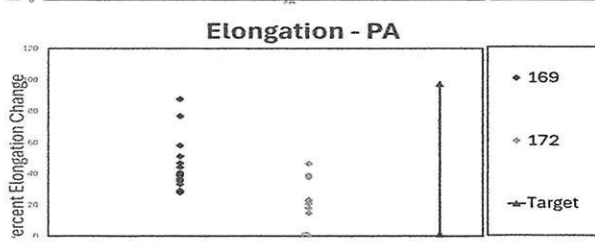
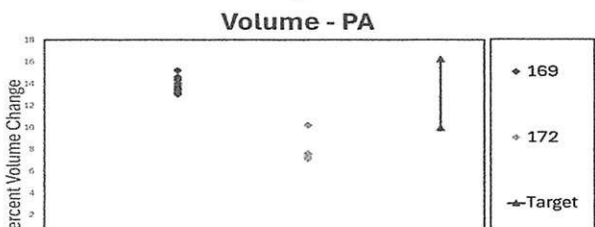
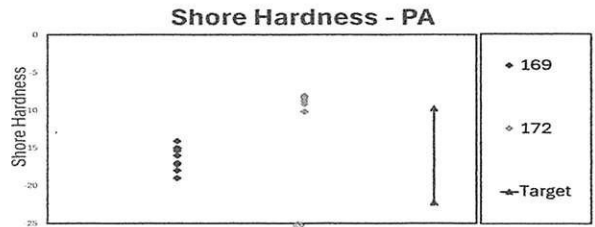
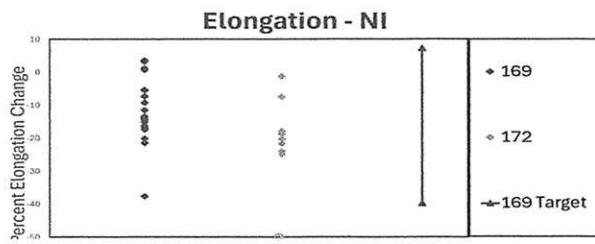
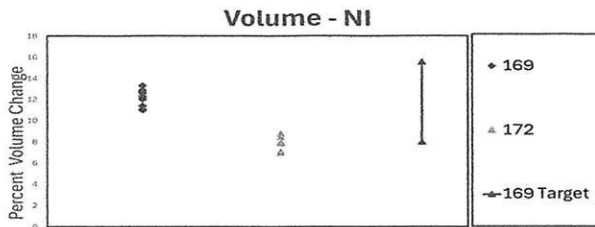
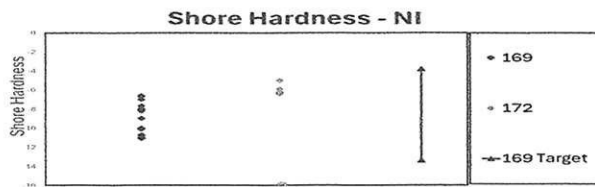
TMC 170-1 Matrix Data From Both Labs Compiled by TMC:



Since TMC 170-1 hardness and elongation were mostly outside of the TMC 170 limits, TMC will send the data to the Stats Group for recommendations on further testing.

TMC 169 is being replaced with TMC 172 for PA, FL and NI testing. Both labs completed the matrix testing of 2 runs per bath per elastomer with TMC 172 run along side accompanying TMC 169.





Shore Hardness	FL	NI	PA
169 Ave	0.10	-5.60	-15.00
169 Std Dev	1.30	2.18	2.83
172 Ave	-2.16	-5.95	-8.94
172 Std Dev	0.99	0.61	0.86
n=8 Result	2 in / 6 Out of 169 Target	8 in / 0 Out of 169 Target	3 in / 5 Out of 169 Target

% Volume Change	FL	NI	PA
169 Ave	4.40	11.80	13.10
169 Std Dev	0.71	1.71	1.43
172 Ave	4.66	7.91	5.06
172 Std Dev	0.50	0.62	1.33
n=8 Result	8 in / 0 Out of 169 Target	2 in / 6 Out of 169 Target	2 in / 6 Out of 169 Target

% Elongation Change	FL	NI	PA
169 Ave	-39.50	-16.20	49.20
169 Std Dev	6.99	10.69	21.82
172 Ave	-42.60	-16.98	27.69
172 Std Dev	10.44	8.34	11.54
n=8 Result	8 in / 0 Out of 169 Target	8 in / 0 Out of 169 Target	8 in / 0 Out of 169 Target

Since some of the TMC 172 parameters were outside of the target limits, TMC will send the data to the Stats Group for recommendations on further testing or new targets.

A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 11 votes to adjourn the meeting at 10:12 am.

Respectfully submitted,

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

Donald Bell/Chairman

Appendix

Oil Seal Compatibility Surveillance Panel











Date: 5/13/2026

V = Voting

NV = Non-voting

Initials	Voting Status	Name	Company & Address	e-Mail	Phone #
AA	NV	Alex Arnold	Lubrizol	alexander.arnold@lubrizol.com	630-561-0634
	NV	Anthony Baldriga	Chrysan Industries	abaldriga@chrysanindustries.com	248-720-9503
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
TB	NV	Tobias Bender	Fuchs Lubricants	tobias.bender@fuchs.com	708-737-1681
MB	NV	Maxim Burgman	Fuchs Lubricants	maxim.burgman@fuchs.com	248-846-3120
BC	NV	Bob Campbell	Afton Chemical, 500 Spring St. Richmond, VA 23219	bob.campbell@aftonchemical.com	804-788-5340
HC	NV	Hailey Catania	Cummins, 2135 W. Maple Rd. Troy, MI 48084	hailey.catania@cummins.com	248-435-1544
MC	NV	Margaret Caridi	BASF, 500 White Plains Rd. Tarrytown, NY 10591	margaret.caridi@basf.com	845-216-5535
	V	Jessica Carowick	Cummins, 2135 W. Maple Rd. Troy, MI 48084	jessica.carowick@cummins.com	248-872-3055
	NV	Michael Charron	SWRI, W. Commerce, San Antonio, TX 78227	michael.charron@swri.org	
	NV	Jeff Clark	TMC, 203 Armstrong Dr. Freeport, PA	jac@astmtmc.org	412-365-1032
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JG	NV	Arjun Goyal	BASF, 500 White Plains Rd. Tarrytown, NY 10591	arjun.goyal@basf.com	914-330-4362
JG	V	Jake Grewe	Lubrizol	jake.grewe@lubrizol.com	

B6	V	Becky Grinfield	SWRI, W. Commerce, San Antonio, TX 78227	becky.grinfield@swri.org	
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DH	NV	Dan Horvath	Afton Chemical, 2000 Town Center Southfield, MI 48075	dan.horvath@aftonchemical.com	248-226-3708
	NV	Zach Hunt	vBase Oil Co.	hunt@vbaseoil.com	864-502-2321
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	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	SWRI, W. Commerce, San Antonio, TX 78227	anthony.lange@swri.org	210-522-2671
	V	Clarence McCollum	Richful	clarence.mccollum@richful.com	313-378-8643
	V	Jeanelle Morris	International Motors LLC, 2701 International Dr., Lisle, IL 60532	jeanelle.morris@international.com	331-332-1661
	V	Donna Mosher	BASF, 100 Park Ave., Florham Park, NJ	donna.mosher@basf.com	269-217-1715
	V	Troy Muransky	Dauch, 1840 Holbrook Detroit, MI 48212	troy.muransky@aam.com	313-758-2444
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	NV	Brad Tansue	TMC	BPT@astmtmc.org	
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	NV	Amanda Stone	Afton Stats		
	NV	Ricardo Affinito	Stats Group		
	NV	Jo Martinez	Stats Group		
	NV	S. Moyer	Stats Group		
	NV	T. Kostan	Stats Group		
	NV	Y. Rocha	Intertek, 5404 Bandera Rd., San Antonio, TX 78238		