

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

May 7, 2025

Don Bell

Participants listed on attachment in Appendix.

Action Items:

- D. Bell to inquire with seal supplier of any changes to NI since NI350, and if they are willing to run testing on NI with TMC 170-1
- TMC to run FTIR overlay for TMC 170 and 170-1 to confirm they match
- Test labs to conduct approval matrix testing on 170-1 to replace 170 for NI testing

An OSCT Surveillance Panel Teams meeting was called to order by D. Bell at noon on 5/7/2025.

A motion made by B. Grinfield and 2nd by D. Bell was unanimously approved with 14 votes to approve OSCT meeting minutes posted on the TMC website from 2/12/2025.

The OSCT voting member list was reviewed. A motion made by D. Bell and 2nd by N. Ariemma was unanimously approved with 14 votes to add A. Smith from Infineum as a voting member. In addition, a motion made by D. Bell was 2nd by T. Muransky to add C. Vander Wal from Daimler Truck as another voting member.

Lab C has 3 baths and Lab G has 1 bath for testing PA, FL and NI testing with no bath issues.

The Testing Engineering Institute provided their inventory of all three elastomers:

Polyacrylate:

- PA370 29 approved slabs (reserved for emergency use)
- PA371 249 approved slabs
- PA372 288 unapproved slabs, await qualification data from only Lab C

Fluoroelastomer:

- FL420 92 approved slabs
- FL421 184 unapproved slabs, await qualification data from both labs
- FL422 Ordered by TEI

Nitrile:

- NI354 58 approved slabs
- NI355 278 unapproved slabs. Lab G submitted passing qualification data to TMC but had some issues getting passing data. Lab C was not able to provide passing data in TMC 170 even with repeats. The approval of this lot is thus on hold.
- NI356 272 unapproved slabs. Both labs fail on TMC 170.

Since all three TMC reference oils were well beyond the 5 year shelf life, new reference oils were blended and shipped to TMC for sending to labs for conducting approval matrices recommended by the Stats Group.

The TMC was asked to run FTIR overlay for TMC 170 and 170-1 to confirm they match.

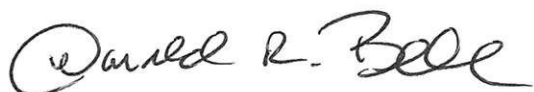
TMC 169 for PA, FL and NI is being replaced with TMC 172. The labs are conducting a matrix of 2 runs per bath per elastomer. Lab G submitted their data to TMC, but Lab C is waiting on approval of NI lots.

TMC 170 for NI is being rebled with TMC 170-1. The labs are conducting a matrix of 2 runs per bath per elastomer. Labs were instructed to complete the TMC 170-1 approval matrix to generate enough data points (8) to set its own targets.

TMC 171 for PA and FL is being replaced with TMC 171-1. The labs are conducting a matrix of 2 runs per bath per elastomer run along side an accompanying reference on TMC171 or 169. The TMC received PA and FL plots for TMC 171-1 of the full data from Lab G and data from Lab C (only need one more round of runs on PA on bath 4) relative to TMC 171 limits. The data thus looks comparable to that of TMC 171.

A motion made by D. Bell and 2nd by B. Grinfield was unanimously (14 votes) approved to adjourn the OSCT Panel meeting at 12:58 pm.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Donald R. Bell". The signature is fluid and cursive, with the first name "Donald" being the most prominent.

Donald R. Bell/Chairman

Appendix

Oil Seal Compatibility Surveillance Panel

Date:

5/7/2025

V = Voting
NV = Non-voting

Initials	V = Voting NV = Non-voting	Name	Company & Address	e-Mail	Phone #
<i>DA</i>	V	Nick Ariemma	Lubrizol, 29400 Lakeland Blvd. Wickliffe, OH 44092	nick.ariemma@lubrizol.com	
<i>DB</i>	V	Dylan Beck	TMC, 203 Armstrong Dr. Freeport, PA	djb@astmtmc.org	412-365-1037
<i>DB</i>	V	Don Bell (Chairman)	Afton Chemical, 500 Spring St. Richmond, VA 23219	don.bell@aftonchemical.com	804-788-6332
<i>TB</i>	NV	Tobias Bender	Fuchs Lubricants	tobias.bender@fuchs.com	708-737-1681
<i>MB</i>	NV	Maxim Burgman	Fuchs Lubricants	maxim.burgman@fuchs.com	248-846-3120
<i>BC</i>	NV	Bob Campbell	Afton Chemical, 500 Spring St. Richmond, VA 23219	bob.campbell@aftonchemical.com	804-788-5340
<i>HC</i>	NV	Hailey Catania	Cummins, 2135 W. Maple Rd. Troy, MI 48084	hailey.catania@cummins.com	248-435-1544
<i>MC</i>	NV	Margaret Caridi	BASF, 500 White Plains Rd. Tarrytown, NY 10591	margaret.caridi@basf.com	845-216-5535
<i>JJC</i>	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 Clarke	TMC, 203 Armstrong Dr. Freeport, PA	jac@astmtmc.org	412-365-1032
<i>AC</i>	V	Allen Comfort	US Army FCDD-GVS-ES, Bldg. 210, 6501 E. 11 Mile Rd., Detroit Arsenal, MI, 48397-5000	allen.s.comfort.civ@army.mil	571-588-6551
	NV	Hector Dela Fuente	ChevronOronite	HDELAFUENTE@chevron.com	210-867-8612
<i>TG</i>	NV	Trevor Gibson	Dana	trevor.gibson@dana.com	419-386-9783
	NV	Jason Gingerich	Lubrizol	JAGC@lubrizol.com	440-391-0101
<i>AG</i>	NV	Arjun Goyal	BASF, 500 White Plains Rd. Tarrytown, NY 10591	arjun.goyal@basf.com	914-330-4362

B6	V	Becky Grinfield	SWRI, W. Commerce, San Antonio, TX 78227	becky.grinfield@swri.org	408-507-2848
	NV	Hyeok Hahn	Chevron	hyeok.hahn@chevron.com	248-226-3708
DT	NV	Dan Horvath	Afton Chemical, 2000 Town Center Southfield, MI 48075	dan.horvath@aftonchemical.com	210-731-5609
	NV	John Huron	Chevron Oronite, 4502 Centerview, Suite 210, San Antonio, TX 78228	john.huron@chevron.com	830-865-6771
AD	NV	Alexander Jackson	Oronite	alexmjackson@chevron.com	848-214-3869
844	V	Steve Jetter	ExxonMobil	steven.m.jetter@exxonmobil.com	804-516-1238
	NV	Brad Jordan	Shell	brad.jordan@shell.com	210-690-1958
	V	Clayton Knight	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	cknight@tel-net.com	
	NV	Dan Lancot	Test Engineering Institute 12718 Cimarron Path San Antonio, TX 78249	dlanctot@tel-net.com	
RZ	NV	Anthony Lange	Intertek, 5404 Bandera Rd., San Antonio, TX 78238	anthony.lange@intertek.com	210-634-1103
	V	Jeanelle Morris	International Motors LLC, 2701 Navistar Dr., Lisle, IL 60532	jeanelle.morris@navistar.com	331-332-1661
QMM	V	Donna Mosher	BASF, 100 Park Ave., Florham Park, NJ	donna.mosher@basf.com	269-217-1715
UL	NV	Caroline Mueller	SWRI, W. Commerce, San Antonio, TX 78227	caroline.louis@swri.org	210-522-2671
TW	V	Troy Muransky	AAM, 1840 Holbrook Detroit, MI 48212	troy.muransky@aam.com	313-758-2444
	NV	Micheal Portell	Intertek, 5404 Bandera Rd., San Antonio, TX 78238	micheal.portell@intertek.com	210-896-8012
ML	NV	Matt Sangpeal	Afton Chemical, Ashland Technical Center, 11289 Central Drive Ashland, VA 23005	matt.sangpeal@aftonchemical.com	804-788-5364
FS	NV	Eric Sattler	US Army CCDC-GVSC FCDD-GVS-ES (M/S 110), 6501 E. 11 Mile Rd. Warren, MI 48397-5000	eric.sattler.civ@army.mil	571-588-7974
JS	NV	Nick Schaup	Lubrizol, 29400 Lakeland Blvd. Wickliffe, OH 44092	nick.schaup@lubrizol.com	616-710-2546

AS	NV	Addison Schweitzer	Shell		addison.schweitzer@shell.com	
AS	NV ✓	Andrew Smith	Infineum		andrew.smith@infineum.com	
AS	NV	Rachel Stone	Intertek		rachel.stone@intertek.com	
	NV	Dairene Uy	Shell		dairene.uy@shell.com	281-544-6781
AS	NV ✓	C. Vander Wal	Daimler Truck NA		camden.vanderwal@daimlertruck.com	313-805-1665
AS	NV	Wes Venhoff	TMC, 203 Armstrong Dr., Freeport, PA		wv@astmtmc.org	412-365-1034
AS	V	Rebecca Warden	Chevron Oroinite, 4502 Centerview, Suite 210, San Antonio, TX 78228		rebecca.warden@chevron.com	830-865-6771
AS	V	Mia Will	Intertek, 5404 Bandera Rd., San Antonio, TX 78238		mia.will@intertek.com	
	NV	Payton Wright	SWRI, W. Commerce, San Antonio, TX 78227		payton.wright@swri.org	210-522-2895
	NV	Fatih Yucebilgic	Fuchs Lubricants		fatih.yucebilgic@fuchs.com	708-539-0252
	NV	George Zarins	AAM		george.zarins@aam.com	586-854-8810
	NV	Khaled Zreik	GM		khaled.zreik@gm.com	248-977-9214
AS	NV	Amy Zyski	Afton Chemical		amy.zyski@aftonchemical.com	313-391-1135
	NV	Amanda Stone	Afton Stats			
	NV	Ricardo Affinito	Stats Group			
	NV	Jo Martinez	Stats Group			
	NV	S. Moyer	Stats Group			
	NV	T. Koston	Stats Group			