

Report of Meeting
L-37-1 Surveillance Panel Conference Call
February 19, 2020

Attendees:

SwRI -	Warden,
Lubrizol -	Venhoff, Slocum , Drjla
Afton -	Sangpeal , Horvath, Bell
Intertek -	Smith , Lange
TMC -	Beck , Clark
ExxonMobil -	Banas , Kanga
BASF -	Goyal
Dana -	Zyski
Meritor -	LaBond
Army -	Comfort , Sattler
AAM -	Muransky
Linamar -	Cabaj
Fuchs -	Anderson
Detroit Diesel -	Belay

Voting Members in **BOLD**

The meeting was called to order at 15:30 pm EST.

1.0 Membership Review

Motion #1 → A. Goyal 1st /2nd M. Sangpeal to approve both Anthony Lange and Jessica LaBond as new voting members for the L37/L37-1 Surveillance Panel. Motion passed unanimously, 11-0-0 (Yes-No-Abstain).

2.0 Meeting minutes Approval

- November 13th, 2019 (LRI# 195)
- December 5th, 2019 (Conf Call)
- January 9th, 2020 (Conf Call)
- January 29th, 2020 (Conf Call)

Motion #2 → A. Zyski 1st /2nd D. Smith to approve the meeting minutes from the November 13th, 2019 (LRI# 195), December 5th, 2019 (Conf Call), January 9th, 2020 (Conf Call), and January 29th, 2020 (Conf Call) Motion passed unanimously, 11-0-0 (Yes-No-Abstain).

3.0 Modified Conditioning Phase

The modified conditioning phase with a handful of reference oil runs done across the labs does seem to have a good outcome when it comes to the “Undefined distress”. Some concern on how it could possibly affect candidate testing. With the inclusion of Info letter 19-3 allowing gears to be rated accurately if the “undefined distress” isn’t so great we will table the modified conditioning for now. Allowing us to assess the new Gleason batch being delivered soon before we decide any further action. Was also some discussion on if we wanted to try a different diameter shot peen but no action at this time.

4.0 Strange Axle Implementation

All labs have run tests using the Strange axle and all with positive results. Will work on deciding implementation after first approving the first Gleason batch utilizing the Strange Axle.

5.0 Qualifying 1st new Gleason Batch?

Was discussed and decided to do a mini matrix to qualify the batch like the 2018 batch. Each lab will run the following 4 tests using the Strange Axle and Spool.

- 155 oil – Standard
- 152 oil – both Standard and Canadian
- 134 oil – Standard

As far as targets it was discussed that these data points will be lumped together with previous batches.

Motion #3 → D. Smith 1st /2nd W. Venhoff to qualify the 1st 2020 Gleason Non-Lubrited batch with each lab conducting the following four tests using the Strange Axle and Spool. 155 oil – Standard, 152 oil – both Standard and Canadian, and 134 oil - Standard. Motion passed unanimously, 11-0-0 (Yes-No-Abstain).

6.0 Adjourn

Meeting Adjourned at 16:30 pm EST

Motion #4 → A. Goyal 1st /2nd A. Lange to adjourn. Motion passed unanimously, 11-0-0 (Yes-No-Abstain).

Respectfully submitted,

Robert Slocum
L-37-1 Surveillance Panel Chairman



D02.B0.03

L-37-1 Surveillance Panel Meeting

02/19/2020

3:30 pm – 5:00 pm

Warrendale, PA

Robert Slocum

Agenda

- **Call to Order/Agenda review**
- **Membership review**
- **Meeting Minute Approvals**
- **Modified conditioning phase?**
- **Strange Axle implementation**
- **Qualifying 1st new Gleason Batch?**
- **New business**
- **Adjournment**



Membership Review

Rob Banas	ExxonMobil
Allen Comfort	US Army
Troy Muransky	AAM
Matt Sangpeal	Afton
Arjun Goyal	BASF
Amy Zyski	Dana
Dylan Beck	TMC
Daniel R. Jessica	Meritor
Dale - Anthony	Intertek
Robert Slocum	Lubrizol
Rebecca Warden	SwRI
Kaled Zreik	GM
Mike Cabaj	Linamar

Total Voting Members = 13

Meeting Minutes Approval

- November 13th, 2019 (LRI# 195)
- December 5th 2019 (Conf Call)
- January 9th, 2020 (Conf Call)
- January 29th, 2020 (Conf Call)

Modified conditioning phase?

- Should we adopt?
- Both Lubrited and NonLubrited??
- Transition from 535nm to 1070nm
 - Cond1 – Cond2? (Sec. 10.x.x)
 - Dev % (Annex 9)

LTMSLAB	IND	VAL	BATCH	PINBAT	RINGBAT	MATCHNO	COM1	COM2	COM3	COM4	WEAR	RIDG	RIPP	SPIT	WEARR	RIDGR	RIPPR	SPITR	TVERSION
G	152-2	NI	06-2018	2736808	2736811	246	MODIFIED	BREAKIN			8	9	9	9.7	8	9	9	9.9	CANADIAN
A	152-2	NI	10-2018	2731178	2731180	10-2018-249	MODIFIED	BREAKIN	STRANGE	AXLE	7	8	9	9.9	7	8	9	9.9	CANADIAN
D	152-2	NI	42003256	2736810	2736813	256	INCREASE	BREAKIN			8	9	9	9.9	9	7	10	9.9	CANADIAN
G	134-1	NI	10-2018	2736808	2736611	245	MODIFIED	BREAKIN			7	7	7	9.9	7	6	9	9.9	CANADIAN
D	134-1	NI	10-2018	2736810	2736813	10-2018	MODIFIED	BREAKIN			5	4	9	2	6	5	9	9.9	STANDARD
G	152-2	NI	10-2018	2736808	2738011	247	MODIFIED	BREAKIN	BROKEN	TEETH	8	7	9	9.8	8	9	9	9.9	STANDARD
B	152-2	NI	10-2018	2736809	2736812	10-2018-252	MODIFIED	BREAKIN	STRANGE	INFO RUN	8	9	9	9.9	9	9	10	9.9	CANADIAN

Strange Axle implementation

- Able to use either Dana/Strange housings? (Sec. 6.2)
 - 6.2 Test Unit—The standard test uses a Gleason Works⁹ [10](#) test axle part number (P/N) 1758276 assembled into a Dana Model 60[11](#)·[10](#) axle housing reused from Dana P/N 060AA100-2 or 060AA100-4
- Able to use either Spool / Open Diff??
- # of builds
- Strange Hardware labeling convention
 - Do we need/want anything different than current

8.2.1.2 When rebuilding an axle assembly, use the format LAB-CXXXX-NN to create a serial number, where:

LAB designates the assembly as being lab-built;

C is the one-character TMC coded lab designation;

XXXX is a unique 4-digit identifier for the housing;

NN is a 2-digit count of the number of rebuilds on the housing.

Qualifying 1st new Gleason Batch?

- Determine test matrix
- Run qualifying runs with Strange Axles?
- Subsequent batches??

Was discussed and decided to do a mini matrix to qualify the batch like the 2018 batch. Each lab will run the following 4 tests using the Strange Axle and Spool.

- 155 oil – Standard
- 152 oil – both Standard and Canadian
- 134 oil – Standard

As far as targets it was discussed that these data points will be lumped together with previous batches.



New Business

- ?



D02.B0.03

L-37-1 Surveillance Panel Meeting

Adjourn

ASTM L-37/L-37-1 Surveillance Panel Membership / Sign In List
Meeting Date:

Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
✓ ROB	Banas, Rob	Voting	ExxonMobil Fuels, Lubricants & Specialties 114 Arcadia Park Dr. Canton, GA 30114	Phone: 678-493-3930 Fax: E-Mail: rob.a.banas@exxonmobil.com
✓ DJB	Beck, Dylan	Voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1037 Fax: E-Mail: djb@astmtmc.cmu.edu
✓ DRB	Bell, Don	Non Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: 804-788-6332 Fax: 804-788-6243 E-Mail: don.bell@aftonchemical.com
	Bolaney, Jonathan	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347- 7742 Fax: E-Mail: joby@lubrizol.com
✓ MC	Cabaj, Mike	Voting	Linamar	Phone: 313-820-0119 Fax: E-Mail: michael.cabaj@linamar.com
✓ JAC	Clark, Jeff	Non Voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1032 Fax: 412-365-1047 E-Mail: jac@astmtmc.cmu.edu
✓ A.C.	Comfort, Allen	Voting	US Army Ground Vehicle Systems Center 6501 East 11 Mile road Warren, MI 48397-5000	Phone: 586-282-4225 Fax: 586-282-4244 E-Mail: allen.s.comfort.civ@mail.mil
	Decapite, Vanessa	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347- 2134 Fax: E-Mail:
	Donovan, Eric	Non-Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: 804-788-5097 Fax: E-Mail: Eric.Donovan@aftonchemical.com
✓ DRJ	Drnja, Kristijan	Non-Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347- 2326 Fax: E-Mail: kristijan.drnja@lubrizol.com

* Initial to indicate attendance at subject meeting

ASTM L-37/L-37-1 Surveillance Panel Membership / Sign In List
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	Farber, Frank	Non Voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1030 Fax: 412-365-1047 E-Mail: fmf@astmtmc.cmu.edu
	Foeking, Brian	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2130 Fax: 440-347-9011 E-Mail: brian.foeking@lubrizol.com
	Goyal, Arjun	Voting	BASF 500 White Plains Rd Tarrytown NY	Phone: 914-785-2083 Fax: E-Mail: Arjun.Goyal@BASF.com
	Horvath, Dan	Non Voting	Afton Chemical Southfield, MI	Phone: 248-514-2551 Fax: E-Mail: dan.horvath@aftonchemical.com
	Joy, Tisha	Non Voting	BASF 500 White Plains Rd Tarrytown NY	Phone: 914-785-2206 Fax: E-Mail: tisha.joy@BASF.com
	Kanga, Percy	Non Voting	ExxonMobil Research & Engineering 1545 Route 22 East Clinton, NJ 08801	Phone: 908-335-3780 Fax: E-Mail: percy.r.kanga@exxonmobil.com
	Kearney, Bill	Non Voting	Afton Chemical Southfield, MI	Phone: Fax: E-Mail:
	Labond, Jessica	Non Voting	Meritor Automotive 2135 West Maple Troy, Michigan 48084	Phone: 248-872-3055 Fax: E-Mail: jessica.labond@Meritor.com
	Lange, Anthony	Non Voting	Intertek Automotive Research 5404 Bandera Rd San Antonio, TX 78238	Phone: 210-684-2310 Fax: E-Mail: anthony.lange@intertek.com
	Louis, Caroline	Non Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 843-471-6283 Fax: E-Mail: caroline.louis@swri.org


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	Mosher, Donna	Non Voting	BASF 100 Park Ave. Florham Park, NJ	Phone: 269-217-1715 Fax: E-Mail: donna.mosher@basf.com
✓ <i>DM</i>	Muransky, Troy	Voting	AAM	Phone: 734-564-8406 Fax: E-Mail: troy.muransky@aam.com
	Rabinowitz, Daniel	Voting	Meritor Automotive 2135 West Maple Troy, Michigan 48084	Phone: 248-435-1544 Fax: E-Mail: daniel.rabinowitz@Meritor.com
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	Sanchez, Art	Non Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 210-522-3445 Fax: 210-680-1777 E-Mail: asanchez@swri.org
✓ <i>MS</i>	Sangpeal, Matt	Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: 804-788-5364 Fax: E-Mail: matt.sangpeal@aftonchemical.com
✓ <i>E.S.</i>	Sattler, Eric	Non Voting	US Army Ground Vehicle Systems Center 6501 East 11 Mile road Warren, MI 48397-5000	Phone: 586-282-2272 Fax: E-Mail: eric.r.sattler.civ@mail.mil
	Slocum, Robert	Voting/ Chair	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-5102 Fax: E-Mail: robert.slocum@lubrizol.com
✓ <i>DS</i>	Smith, Dale	Voting	Intertek Automotive Research 5404 Bandera Rd San Antonio, Texas	Phone: 412-855-8854 Fax: 210-684-6074 E-Mail: Dale.Smith@intertek.com
✓ <i>WV</i>	Venhoff, Wes	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4879 Fax: E-Mail: wes.venhoff@lubrizol.com
✓ <i>RW</i>	Warden, Rebecca	Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 210-522-6266 Fax: E-Mail: rebecca.warden@swri.org
	Zreik, Khaled	Voting	General Motors 823 Joslyn Ave Pontiac, MI 48340-2925	Phone: 248-977-9214 Fax: 248-857-2550 E-Mail: khaled.zreik@gm.com

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Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
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				Phone: Fax: E-Mail:

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