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Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

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August 18th, 2014

Reply to:
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ASTM D02.B0.03 L-42 Surveillance Panel
Members and Guests:

Attached for your review and comment are the unconfirmed minutes of the:

August 13th, 2014 Surveillance Panel Meeting (PRI – Warrendale, PA)

Please direct any corrections or comments to my attention.

Very Respectfully,

Jarrod Chalkley, Chairman
L-42 Surveillance Panel

L-42 Surveillance Panel Meeting Minutes

PRI – Warrendale, PA

August 13, 2014

Attendees: voting members in **bold**

A. Athey (Volvo)	S. Parke (TMC)	M. Keisler (Afton)
J. Chalkley (Afton)	D. Smith (Intertek)	C. Prengaman (Lz)
A. Comfort (Army)	R. Banas (XOM)	A. Trader (Intertek)
J. Dharte (AAM)	D. Bell (Afton)	M. Umerley (Lz)
T. Gottwald (Afton – Call in)	J. Gropp (Lz)	J. Zakarian (CVX)
L. Hamilton (Lz)	K. Hobson (Afton)	K. Zreik (GM)
R. Warden (SwRI)	B. Kearney (Afton)	G. Schmalbach (Dana – Call in)

Call to Order

The meeting PowerPoint presentation is attached

New L-42 Chairman

MOTION by T. Gottwald to nominate J. Chalkley. 2nd by L. Hamilton. Motion approved unanimously (verbal)

Review of Agenda

The meeting agenda is attached (slide 2 of PowerPoint presentation)

Review of Membership

Membership is up to date & the sign-in sheet is attached

Approval of Meeting Minutes

Meeting minutes from the May 7, 2014 L-42 Surveillance Panel Meeting held at Automation Alley in Troy, MI ► “20140507_SP”

Meeting minutes from the May 23, 2014 L-42 Hardware Taskforce call with Dana ► “20140523_TF_call”

Meeting minutes comprising of e-mails to the labs and calls with Dana from June 4, 2014 through August 7, 2014 ► “20140604→20140807 Minutes”

MOTION by J. Chalkley to approve the meeting minutes. 2nd by D Smith. Motion approved unanimously (verbal).

2014 Batch Order

Frank Bowler (Dana) was unable to call-in. Gary Schmalbach (Dana) called in to provide build update. Gary stated that all material needed for the build was on track, no hold-ups exist. Dana Team continues to meet twice a week for this project, (Tuesdays & Thursdays). Build has been reduced to two batches.

Dana had asked if there were any issues with recent packaging of axle shipments, none were noted from the labs.

Lubrizol has volunteered to visit Fort Wayne for build/process inspection. Chair to coordinate appropriate timing of visit with Frank Bowler.

Labs reconfirmed that a pilot batch was not necessary; one lab would spearhead the initial referencing of this batch and inform remaining labs of any tuning changes required.

TMC Reference Oil

Six reference runs were presented, (only from a single lab) and the data looks consistent using correction factors of +6% Coast Side Pinion Scoring & +4% Coast Side Ring Scoring. No correction factor adjustment is necessary at this time.

S. Parke from the TMC has added two columns to the online database to clearly indicate which tests include correction factors as well as the correction factors used for both the pinion and the ring.

L-42-1 Design Scope

Three "must haves" were noted; (1.) New test needs to maintain severity and historical performance with TMC reference oils and commercial fluids, (2.) New test needs to use hypoid gear set, and (3.) New test needs approval of OEM's.

If a path similar to L-37-1 is chosen, convert the stand from fired engine to electric input motor first (using current Dana hardware), once this data lines up with historical results, focus could be moved to changing the hardware.

It was suggested to approach the committee as well as the OEM's for wants, needs and ideas concerning L-42-1.

The group agreed an L-42-1 Taskforce was needed. Volunteers (see below) from the group will begin holding taskforce teleconferences to better define proposals. A separate meeting will be held at the November LRI for L-42-1 Taskforce.

J. Dharte (AAM)
L. Hamilton (Lz)
R. Warden (SwRI)
D. Smith (Intertek)
J. Gropp (Lz)

M. Keisler (Afton)
A. Trader (Intertek)
M. Umerley (Lz)
J. Zakarian (CVX)
J. Chalkley (Afton)

New/Open Issues

Nothing to report

Adjournment

MOTION by R. Warden to adjourn. 2nd by D. Smith
Motion passed unanimously (verbal)

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jarrod Chalkey". The signature is written in black ink and is positioned below the text "Respectfully submitted,".

Jarrod Chalkey

L-42 Surveillance Panel Chairman



L-42 Surveillance Panel Meeting

PRI









Warrendale, PA

August 13, 2014

1:00-2:00pm

Passion for Solutions™

Agenda

-  **Call to Order**
-  **Membership Review & Update/Agenda**
-  **Approval of Meeting Minutes**
-  **Batch Order Update**
-  **Reference Oil TMC 117**
-  **L-42-1 Design Scope**
-  **New/Open Issues**
-  **Adjournment**

Approval of Meeting Minutes

SP & TF Meeting Minutes

- ▲ “20140507_SP” ► May 7th, 2014 – Troy, MI
- ▲ “20140523_TF_call” ► May 23rd, 2014 – Call with Dana & Labs
- ▲ “20140604→20140807 Minutes” ► E-mails/Calls with Dana & Labs

2014 Batch Order

Update from project lead at Dana: Frank Bowler

- ▲ Axle packaging requirements → any changes needed?
- ▲ Any plans for plant visits?

TMC 117 Reference Oil

How does the recent data look?

<i>LTMSDATE</i>	<i>VAL</i>	<i>CHART</i>	<i>IND</i>	<i>PINBAT</i>	<i>RINGBAT</i>	<i>ECSP</i>	<i>ECSRFNL</i>	<i>ECSPCF</i>	<i>ECSRCF</i>
20140529	AC	Y	117	C1L680	P8T025A	29	17	6	4
20140530	AC	Y	117	C1L680	P8T025A	28	17	6	4
20140531	AC	Y	117	C1L680	P8T025A	22	15	6	4
20140624	AC	Y	117	C1L680	P8T025A	22	13	6	4
20140625	AC	Y	117	C1L680	P8T025A	27	20	6	4
20140626	AC	Y	117	C1L680	P8T025A	30	18	6	4
					AVERAGE-->	26.3	16.7		

L-42-1 Design Scope

Must have

- ▶ Maintains severity and historical performance with TMC reference oils and commercial fluids.

Nice to have

- ▶ A stand that requires less tuning to reference
- ▶ Less expensive hardware to reduce test costs
- ▶ More consistent batch to batch
- ▶ Less inventory storage space required

Focus on electric stand or hardware first? Parallel path?

New/Open Issues

L-42 Surveillance Panel Membership/Attendance

PRI - Warrendale, PA
August 13, 2014

PRI PA.
8/13/14

~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~

Initials	Name	Voting Non-Voting	Company Name Company Address	Contact information	
AAA	Athey, Allison	V	Volvo Powertrain	Phone:	301-573-5684
			13302 Pennsylvania Ave. Hagerstown, MD 21740	E-mail:	allison.athey@volvo.com
ASC	Comfort, Allen	V	US Army TARDEC	Phone:	586-282-4225
				E-mail:	allen.s.comfort.civ@mail.mil
JJD	Dharte, John	V	AAM	Phone:	313-758-4687
			1 Dauch Drive Detroit, MI 48212	E-mail:	dhartej@aam.com
	Gottwald, Thomas	V/Chair	Afton Chemical	Phone:	804-788-5230
			500 Spring St. Richmond, VA 23219	E-mail:	thomas.gottwald@aftonchemical.com
	Greene, Galen	V	BASF	Phone:	973-245-5509
				E-mail:	galen.greene@basf.com
LH	Hamilton, Larry	V	The Lubrizol Corporation	Phone:	440-347-2326
			29400 Lakeland Boulevard Wickliffe, OH 44092	E-mail:	larry.hamilton@lubrizol.com
RW	Warden, Rebecca	V	Southwest Research Institute	Phone:	210-522-6266
				E-mail:	rebecca.warden@swri.org
	McGlone, Bruce	V	Meritor	Phone:	248-435-9929
				E-mail:	bruce.mcglone@meritor.com

L-42 Surveillance Panel Membership/Attendance

~~Automation Alley, Troy, MI~~

~~May 5, 2011~~

Initials	Name	Voting Non-Voting	Company Name Company Address	Contact information	
SP	Parke, Scott	V	ASTM Test Monitoring Center	Phone:	412-365-1036
			6555 Penn Ave Pittsburg, PA 15206	E-mail:	sdp@astmtmc.cmu.edu
DS	Smith, Dale	V	Intertek Automotive Research	Phone:	412-855-6854
			5404 Bandera Rd. San Antonio, TX 78238	E-mail:	dale.smith@intertek.com
RBB	Banas, Rob	NV	ExxonMobil Fuels, Lubricants & Specialties	Phone:	678-493-3930
			114 Arcadia Park Dr. Canton, GA 30114	E-mail:	rob.a.banas@exxonmobil.com
DB	Bell, Don	NV	Afton Chemical	Phone:	804-788-6332
			500 Spring St. Richmond, VA 23219	E-mail:	don.bell@aftonchemical.com
	Boschert, Tom	NV	Afton Chemical	Phone:	804-788-5202
			500 Spring St. Richmond, VA 23219	E-mail:	tom.boschert@aftonchemical.com
	Bubonic, Brad	NV	The Lubrizol Corporation	Phone:	440-347-5325
			29400 Lakeland Boulevard Wickliffe, OH 44092	E-mail:	brad.bubonic@lubrizol.com
JMC	Chalkley, Jarrod	NV	Afton Chemical	Phone:	804-788-5082
			500 Spring St. Richmond, VA 23219	E-mail:	jarrod.chalkley@aftonchemical.com
	Chambers, Harold	NV	Linamar Driveline Systems	Phone:	248-358-6038
			Travelers Tower 1 26555 Evergreen Rd. Ste 900 Southfield, MI 48076	E-mail:	harold.chambers@linamar.com

L-42 Surveillance Panel Membership/Attendance

~~Automation Alley, Tampa, FL~~

~~May 7, 2014~~

Initials	Name	Voting Non-Voting	Company Name Company Address	Contact information	
	Clark, Jeff	NV	ASTM Test Monitoring Center	Phone:	412-365-1032
			6555 Penn Ave Pittsburg, PA 15206	E-mail:	jac@astmtmc.cmu.edu
	Dwornick, Bridget	NV	US Army TARDEC	Phone:	586-282-4221
			6501 E. 11 Mile Rd. RDTA-DP MS 110 Warren, MI 48397	E-mail:	bridget.dwornick@us.army.mil
<i>JG</i>	Gropp, Jerry	NV	The Lubrizol Corporation	Phone:	440-347-1223
			29400 Lakeland Boulevard Wickliffe, OH 44092	E-mail:	jerrold.gropp@lubrizol.com
<i>KH</i>	Hobson, Kevin	NV	Afton Chemical	Phone:	804-788-5307
			500 Spring St. Richmond, VA 23219	E-mail:	kevin.hobson@aftonchemical.com
	Kanga, Percy	NV	ExxonMobil Research & Engineering	Phone:	856-224-2094
			600 Billingsport Rd. Paulsboro, NJ 08066	E-mail:	percy.r.kanga@exxonmobil.com
<i>WAK</i>	Kearney, Bill	NV	Afton Chemical	Phone:	248-350-0640
			2000 Town Center, Suite 1160 Southfield, MI 48075	E-mail:	bill.kearney@aftonchemical.com
<i>ABC</i>	Keisler, Marc	NV	Afton Chemical	Phone:	804-788-5617
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	Koglin, Cory	NV	Afton Chemical	Phone:	248-350-0640
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L-42 Surveillance Panel Membership/Attendance

~~Automation Alley, Troy, MI~~

~~May 7, 2014~~

Initials	Name	Voting Non-Voting	Company Name Company Address	Contact information	
	Marougy, Thelma		Eaton	Phone:	
				E-mail:	thelmamarougy@eaton.com
	Mosher, Donna	NV	Eaton	Phone:	269-342-3039
				E-mail:	donnamosher@eaton.com
	Muransky, Troy	NV (ALT)	Meritor	Phone:	248-435-1409
				E-mail:	troy.muransky@meritor.com
CRP	Prengaman, Chris	NV	The Lubrizol Corporation	Phone:	440-347-4225
			29400 Lakeland Boulevard Wickliffe, OH 44092	E-mail:	crpr@lubrizol.com
	Schwenk, Daniel	NV	Afton Chemical	Phone:	804-788-6326
			500 Spring St. Richmond, VA 23219	E-mail:	daniel.schwenk@aftonchemical.com
	Thorpe, Ryan	NV	Southwest Research Institute	Phone:	210-522-6409
				E-mail:	
AT	Trader, Angela	NV	Intertek Automotive Research	Phone:	210-706-1533
			5404 Bandera Rd. San Antonio, TX 78238	E-mail:	angela.trader@intertek.com
MU	Umerley, Matt	NV	The Lubrizol Corporation	Phone:	440-347-4589
			29400 Lakeland Boulevard Wickliffe, OH 44092	E-mail:	matthew.umerley@lubrizol.com

L-42 Surveillance Panel Membership/Attendance

~~Automation Alley, Troy, MI~~

~~Monday, 08/01/2011~~

Initials	Name	Voting Non-Voting	Company Name Company Address	Contact information	
	Koehler, Brian	NV	Southwest Research Institute	Phone:	210-522-3588
			P.O. Drawer 28510 San Antonio, TX 78228-0510	E-mail:	Bkoehler@swri.org
KZ	Zreik, Khaled	NV	General Motors	Phone:	248-977-9214
			823 Joslyn Ave Pontiac, MI 48340-2925	E-mail:	khaled.zreik@gm.com
	Barrera, Tony	NV	Intertek Automotive Research	Phone:	210-523-4653
			5404 Bandera Rd. San Antonio, TX 78238	E-mail:	tony.barrera@intertek.com
	Jackson, Matt	NV	Southwest Research Institute	Phone:	210-522-6981
				E-mail:	matt.jackson@swri.org
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