



Address 100 Barr Harbor Drive
PO Box C700
W. Conshohocken, PA
19428-2959 | USA

Phone 610.832.9500
Fax 610.832.9666
Web www.astm.org

Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS

Chairman: KENNETH O. HENDERSON, Cannon Instrument Co., 2139 High Tech Road, State College, PA 16803, (814) 353-8000, Fax: (814) 353-8007, e-mail: kenohenderson@worldnet.att.net
First Vice-Chairman: BEN R. BONAZZA, 3457 WOODVALLEY DRIVE, LAPEER, MI 48446 (810) 664-6769
e-mail: bbonazza@charter.net
Second Vice-Chairman: JANET L. LANE, ExxonMobil Research & Engrg., 600 Billingsport Rd, Paulsboro, NJ 08066-0480
(856) 224-3302, Fax: (856) 224-3616, e-mail: janet.l.lane@exxonmobil.com
First Secretary: RALPH A. CHERRILLO, Shell Global Solutions (US) Inc., Westhollow Tech Ctr., 3333 Highway 6 South, Houston, TX 77082 (281) 544-8789, Fax: (281) 544-8150, e-mail: ralph.cherrillo@shell.com
Second Secretary: MICHAEL A. COLLIER, Petroleum Analyzer Co. LP, PO Box 206, Wilmington, IL 60481, (815) 458-0216, Fax: (815) 458-0217, e-mail: Michael.collier@pacpl.com
Staff Manager: DAVID R. BRADLEY, (610) 832-9681, Fax: (610) 832-9668, e-mail: dbradley@astm.org

October 20th, 2015

Reply to:
Chris Prengaman
The Lubrizol Corporation
29400 Lakeland Blvd.
Wickliffe, OH 44092
(440) 347-4225
(440) 347-2377 (FAX)
crpr@lubrizol.com

ASTM D02.B0.03 L-37-1 Surveillance Panel
Members and Guests:

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

- **August 12th 2015, Surveillance Panel Meeting**

Please direct any corrections or comments to my attention.

Sincerely,

Chris Prengaman, Chairman
L-37-1 Hardware Taskforce Chairman

Report of Meeting
L-37-1 Surveillance Panel Meeting
August 12th, 2015 Meeting

Attendees:

Voting Members in **BOLD**

Dharte, John – AAM

Gottwald, Thomas – Afton Chemical

Keisler, Marc – Afton Chemical

Bell, Don – Afton Chemical

Parke, Scott – ASTM TMC

Goyal, Arjun – BASF

Zakarian, Jack – Chevron Products

Guzikowski, Joe – Dana

Banas, Rob – ExxonMobil

Kanga, Percy – ExxonMobil

Smith, Dale – Intertek Automotive Research

Trader, Angela – Intertek Automotive Research

Prengaman, Chris – Lubrizol

Gropp, Jerry – Lubrizol

Umerley, Matt – Lubrizol

Hamilton, Larry – Lubrizol

Lonsway, Chris – Lubrizol

Muransky, Troy - Meritor

Warden, Rebecca – Southwest Research Institute

Call to Order – 13:30 EST.

1.0 Approval of Meeting Minutes

- May 13th – Automation Alley, Detroit
- June 30th – Teleconference
- July 9th – Teleconference
 - Thomas - Motion
 - Rebecca 2nd
 - Unanimous Pass

2.0 Data Dictionary / Uploading Tests

- 4/9/15 - data dictionary was converted to Metric
- Labs should start uploading data as they have time

3.0 Data Review/Update

3.1 Current data summary was presented for discussion, including historic data on TMC 117 Additive in Dana hardware showing strong tendency to pass

J. Guzakowski, representing Dana, does not want pass/fail limits to change but OK with +1 correction factor

3.2 Motion #1

Adopt L-37-1 as replacement L-37 test based initial matrix and current running conditions with Gleason gears

Thomas Motion

Rebecca 2nd

Discussion

3.3 Motion #2

Approve this batch of hardware with a +1 correction factor for all Ridging results on pinion and ring for this batch of Gleason hardware (2014-04), targets to be set by TMC

Thomas Motion

Argent 2nd

Discussion

-The group discussed whether or not a +1 correction factor should be used

-Motion #1 and Motion #2 were tabled after it became apparent that the motions would not pass

3.4 Actions

Labs were requested to look into alternative test conditions

Labs were asked to talk to their builders about pattern template

4.0 Rating Workshop follow up/Data Review

4.1 Data Sheet Attached

4.2 Raters in good agreement on Ripple/Ridge topic

4.3 Raters recommended to insert "removal of shot-peen..." comment in wear definition section of procedure to distinguish from historical wear definition "removal of tooling marks"

5.0 Other

5.1 Replacement Housings

Afton was requested to distribute data on aftermarket housing

5.2 Procedure – C. Prengaman will distribute final copy for review

6.0 Adjournment

Motion to adjourn 15:40

Respectfully Submitted

Chris Prengaman

L-37-1

8/12/2015 1:30 PM

Warrendale, PA; PRI Headquarters

Agenda

- Minutes
 - May 13th – Automation Alley, Detroit
 - June 30th – Teleconference
 - July 9th – Teleconference
 - *(7/23 still needs posted)*
- Data Dictionary / Uploading Tests
 - 4/9 we converted to Metric

Agenda

- Data Review/update
- Rating Workshop follow up
- Rating Discussion
- Data / Test condition Discussion

Data Review

- 134 – 100% Fails
- 155-1 – 100% Pass
- 152-2 – 2/8 Fail (Rippling)
1/6 Fail (Rippling) Can
- 117 – 6/12 Fails (~50%)

Oil	Pinion					Ring				
	Wear	Ripple	Ridge	Spitt	Score	Wear	Ripple	Ridge	Spitt	Score
117	7	7	6	9.9	10	8	9	7	9.9	10
117	8	9	9	9.9	10	8	9	10	9.9	10
117	7	8	7	9.9	10	7	10	8	9.9	10
117	7	8	8	9.9	10	7	10	9	9.9	10
117	7	6	6	9.9	10	7	9	7	9.9	10
117	9	10	9	9.9	9	9	10	10	10	10
117	8	9	9	9.9	10	9	10	9	9.9	10
117	7	8	8	9.9	10	7	10	9	9.9	10
117	7	8	7	9.9	10	7	10	8	9.9	10
117	7	8	7	9.9	10	7	9	7	9.9	10
117	9	10	9	9.9	10	9	10	10	9.9	10
117	9	10	9	9.9	10	9	10	10	9.9	10

Agenda

- Other
 - Pattern Template – We need to address this still...
 - Replacement Housings?
 - Procedure – Final review. Chris will send out – minor tweaks from last version. Preparation for final steps.
- L-37 precision (figure out what needs done for a L-37 telecon)

ASTM L-37-1 Hardware Taskforce Membership / Sign In List
Meeting Date: 8/12/15

Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
	Athey, Allison	Voting	Volvo GGT 13302 Pennsylvania Avenue Hagerstown, Maryland 21740	Phone: 301-573-6684 Fax: E-Mail: allison.athey@volvo.com
<i>Rob</i>	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
<i>Don</i>	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
	Boschert, Tom	Non Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: 804-788-5202 Fax: E-Mail: tom.boschert@aftonchemical.com
	Bubonic, Brad	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-5325 Fax: E-Mail: brad.bubonic@lubrizol.com
	Chalkley, Jay	Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: Fax: E-Mail: jamod.chalkley@aftonchemical.com
	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
	Chambers, Harold	Non-Voting	Linamar Driveline Systems 26556 Evergreen Rd Southfield 48076	Phone: 248-368-6038 Fax: E-Mail: hchambers@linamar.com
	Comfort, Allen	Voting	US Army RDECOM/TARDEC 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
<i>JD</i>	Dharte, John	Voting	American Axle & Manufacturing 1 Dauch Drive Detroit, MI 48211	Phone: 313-758-4687 Fax: 313-758-4237 E-Mail: Dhartej@aam.com
	Dykhno, Olga	Non-Voting	BASF 500 White Plains Rd Tarrytown NY	Phone: Fax: E-Mail: olga.dykhno@BASF.com <i>AAVN BASF</i>

Remove →

* Initial to indicate attendance at subject meeting

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Meeting Date:





Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
	Dwornick, Bridget	Non-Voting	US Army RDECOM/TARDEC 6501 East 11 Mile road Warren, MI 48397-5000	Phone: 586-282-4221 Fax: 586-282-4244 E-Mail: bridget.dwornick@us.army.mil
	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
	Gao, Hong	Non-Voting	Conoco Phillips 100 s Pine St. Ponca City, OK 74602	Phone: 580-767-2126 Fax: 580-767-4534 E-Mail: hong.gao@conocophillips.com
<i>TG</i>	Gottwald, Thomas	Non-Voting	Afton Chemical 500 Spring Street Richmond, VA 23219	Phone: 804-788-5230 Fax: E-Mail: thomas.gottwald@aftonchemical.com
<i>Arjun</i>	Goyal, Arjun	Voting	BASF 500 White Plaines Rd Tarrytown NY	Phone: 914-785-2083 Fax: E-Mail: Arjun.Goyal@BASF.com
<i>Jerry</i>	Gropp, Jerry	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-1223 Fax: E-Mail: JLG@lubrizol.com
	Guzikowski, Joe	Voting	Dana Corporation 3939 Technology Drive Maumee, OH 43537	Phone: 419-887-3425 E-Mail: joe.guzikowski@dana.com
<i>LH</i>	Hamilton, Larry	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2326 Fax: 440-347-2878 E-Mail: lha@lubrizol.com
	Hobson, Kevin	Non Voting	Afton Chemical 500 Spring Street Richmond, VA 23218	Phone: 804-788-5307 Fax: E-Mail: kevin.hobson@aftonchemical.com

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Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
<i>MSK</i>	Keister, Marc	Non Voting	Afton Chemical 500 Spring Street Richmond, VA 23218	Phone: 804-788-5617 Fax: 804-788-6358 E-Mail: @aftonchemical.com
	Huron, John	Non Voting	Chevron Oronite Company LLC Suite 210 San Antonio, Texas 78228-1374	Phone: 210-731-5609 Fax: 210 731 5699 E-Mail: huro@chevrontexaco.com
	Jackson, Matt	Non Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 210-522-6881 Fax: 210-522-6858 E-Mail: matt.jackson@swri.org
<i>PK</i>	Kanga, Percy	Non Voting	ExxonMobil Research & Engineering 600 Billingsport Road Paulsboro, New Jersey 08066	Phone: 856-224-2094 Fax: 856-224-3613 E-Mail: pery.r.kanga@exxonmobil.com
	Keamey, Bill	Non Voting	Afton Chemical Southfield, MI	Phone: Fax: E-Mail:
	Koehler, Brian	Non Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 210-522-3588 Fax: 210-584-7523 E-Mail: bkoehler@swri.org
	Lind, Don	Non Voting	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1034 Fax: 412-365-1047 E-Mail: dml@astmtmc.cmu.edu
	Lochte, Michael	Non Voting	Southwest Research Institute PO Drawer 28510 San Antonio, Texas 78228-0510	Phone: 210-522-5430 Fax: 210-684-7523 E-Mail: Mlochte@swri.org
	Marougy, Thelma	Voting	Eaton Corporation 26201 Northwestern Highway Southfield, MI 48076	Phone: 248-226-6985 Fax: 248-226-2739 E-Mail: thelma.marougy@eaton.com
	McGlone, Bruce	Voting	Meritor Automotive 2135 West Maple Troy, Michigan 48064	Phone: 248-435-9929 Fax: 248-435-9902 E-Mail: Bruce.McGlone@Meritor.com

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Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
	Muransky, Troy	Non Voting <i>Alternate</i>	Meritor Automotive 2135 West Maple Troy, Michigan 48064	Phone: 248-435-1401 Fax: 248-435-6602 E-Mail: troy.muransky@Meritor.com
	Mosher, Donna	Non Voting	Eaton Corporation 26201 Northwestern Highway Southfield, MI 48034	Phone: 268-342-3039 Fax: E-Mail: donnamosher@eaton.com
	O'Brien, Cheryl	Non Voting	General Motors 823 Joslyn Ave. Pontiac, MI 48340-2925	Phone: 248-343-7347 Fax: 248-676-7146 E-Mail: cheryl.obrien@gm.com
	Pappademos, Lou	Non Voting	Dana Corporation Fort Wayne, IN	Phone: Fax: E-Mail: lou.pappademos@dana.com
	Parke, Scott	Voting	ASTM Test Monitoring Center 6565 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1036 Fax: E-Mail: sdp@astmtmc.cmu.edu
	Prengaman, Chris	Voting/Chair	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4225 Fax: E-Mail: chris.prengaman@lubrizol.com
	Radonich, Peter	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2184 Fax: 440-347-9011 E-Mail: peter.radonich@lubrizol.com
	Rechinos, Will	Non Voting	Afton Chemical 500 Spring Street Richmond, VA 23218	Phone: 804-788-5323 Fax: E-Mail: william.rechinos@aftonchemical.com
	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
	Smith, Dale	Voting	Intertek Automotive Research 6404 Banderera Rd San Antonio, Texas	Phone: 412-855-6854 Fax: 210-684-6074 E-Mail: Dale.Smith@intertek.com

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Initials*	Name	Voting Status	Company Name & Address	Phone/Email Info
	Song, HaiQing	Non Voting	Research Institute of Petroleum Processing No. 18, XueYan Road, PO Box 914-19 Beijing 10083 P.R. China	Phone: 011-86-10-8236-8182 Fax: 011-86-10-6231-1290 E-Mail: songhq@ripp-sinopec.com
	Sullivan, Bill	Non Voting	William T. Sullivan, Inc. 5 Scheiber Drive Brick, NJ 08723	Phone: 908-930-3512 Fax: 267-220-7750 E-Mail: wtsullivan@comcast.net
	Suresh, Arunya	Non Voting	BASF	Phone: 914-262-8715 Fax: E-Mail: arunya.suresh@basf.com
AA	Trader, Angela	Non Voting	Intertek Automotive Research 5404 Bandera Rd San Antonio, Texas	Phone: 210-706-1533 Fax: E-Mail: angela.trader@intertek.com
MU	Umerley, Matt	Non Voting	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4589 Fax: 440-347-2878 E-Mail: mtue@lubrizol.com
RW	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
	Xie, JingChun	Non Voting	Lanzhou Lube Oil R&D Institute No. 369 Yumen Street, XiGu District Lanshou 730060, GanSu Province P.R. China	Phone: 011-86-931-793-3713 Fax: 011-86-139-9319-2560 E-Mail: xiejingchun_rhy@petrochina.com.cn
JAZ	Zakarian, Jack	Voting	Chevron Products 100 Chevron Way Richmond, CA 94802	Phone: 510-242-3595 Fax: 510-242-3758 E-Mail: jaza@chevron.com
	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
	CHRIS LONSWAY			Phone: 347-4517 Fax: E-Mail:

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				Phone: Fax: E-Mail:
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