

## ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST

September 6, 2006

	<b>Name</b>	<b>Voting V/NV</b>	<b>Company Name Company Address</b>	<b>Phone / Fax / E-Mail</b>
	Akucewich, Ed	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2415 Fax: 440-943-9011 E-mail: esak@lubrizol.com
	Ariaza, Humberto (Beto)	V	T.E.I. 12718 Cimarron Rd. San Antonio, TX 78249	Phone: 210-877-0222 Fax: 210-690-1959 E-mail: baraiza@testeng.com
Attending	Bartlett, Don	V	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2388 Fax: 440-347-2878 E-mail: dtb@lubrizol.com Cell: 440-220-0843
Attending	Bell, Don	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-6332 Fax: 804-788-6243 E-mail: cory_koglin@ethyl.com
	Bryson, Tom	V	Mack Trucks 13302 Pennsylvania Avenue Hagerstown, Maryland 21740	Phone: 301-790-5454 Fax: 301-790-6744 E-mail: tom.bryson@macktrucks.com
	Buitrago, Juan	V	Chevron Oronite Company 100 Chevron Way Richmond, California 94802	Phone: 510-242-1161 Fax: 510-242-3392 E-mail: jabu@chevron.com
	Chambers, Harold	V	Ford Motor Company ATO, Cube M188C, MD21 36200 Plymouth Road Livonia, MI 48150 USA	Phone: 313-805-8591 Fax: 734-523-3245 E-mail: hchamber@ford.com

## ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST

September 6, 2006

	<b>Name</b>	<b>Voting V/NV</b>	<b>Company Name Company Address</b>	<b>Phone / Fax / E-Mail</b>
	Comfort, Allen	V	US Army TACOM Mail Stop 110 6501 E. 11 Mile Road Wren, MI 48397-5000 AMSTA-TR-D / 210	Phone: 586-574-4225 Fax: 586-574-4244 E-mail: comforta@tacom.army.mil
	De La Fuente, Hector	V	Southwest Research Institute 6220 Culebra Road San Antonio, Texas 78238	Phone: 210-522-5996 Fax: 210-680-1777 E-mail: hdelafuente@swri.edu
Attending	Dharte, John	NV	ExxonMobil Lubricant & Specialties	Phone: 703-669-9916 Fax: 703-669-9917 E-mail: stephen.w.eliot@exxonmobil.com
Attending	Eliot, Steve	NV	AAM 2965 Technology Drive Rochester Hill, Michigan 48309	Phone: 248-299-6428 Fax: 248-293-6945 E-mail: Dehartej@aam.com
	Farber, Frank	NV	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1030 Fax: 412-365-1047 E-mail: fmf@astmtmc.cmu.edu
Attending	Gropp, Jerry	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-1223 Fax: 440-347-1555 E-mail: jlg@lubrizol.com
	Kampe, Peter	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4422 Fax: 440-347-3597 E-mail: pvk@lubrizol.com

ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST

September 6, 2006

	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
	Kanga, Percy	NV	ExxonMobil Chemical Company	Phone: 856-224-2094 Fax: E-mail: percy.r.kanga@exxonmobil.com
Attending	Koehler, Brian	NV	Southwest Research Institute P.O. Drawer 28510 San Antonio, Texas 78228	Phone: 210-522-3588 Fax: 210-684-7523 E-mail: bkoehler@swri.edu
Attending	Koglin, Cory	V	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23218	Phone: 804-788-5305 Fax: 804-788-6358 E-mail: cory_koglin@ethyl.com
	Kuhlman, R.E.	NV	Afton Chemical Corp 2000 Town Center Suite 1750 Southfield, MI 48075	Phone: 248-350-0647 Fax: 248-350-0025 E-mail: Dick_Kuhlman@ethyl.com
	Layton, Kevin	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23218	Phone: 804-788-5363 Fax: 804-788-6358 E-mail: Kevin_Layton@ethyl.com
Attending	Lind, Don	V	ASTM Test Monitoring Center 6555 Penn Avenue Pittsburgh, Pennsylvania 15206	Phone: 412-365-1034 Fax: 412-365-1047 E-mail: dml@astmtmc.cmu.edu
	Marougy, Thelma	V	Eaton Corporation 26201 Northwestern Highway Southfield, MI 48037	Phone: 248-354-6985 Fax: 248-354-2739 E-mail: Thelmaemarougy@eaton.com

ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST

September 6, 2006

	<b>Name</b>	<b>Voting V/NV</b>	<b>Company Name Company Address</b>	<b>Phone / Fax / E-Mail</b>
	Marty, Steve	NV	Southwest Research Institute 6220 Culebra Road San Antonio, Texas 78238	Phone: 210-522-5929 Fax: 210-680-1777 E-mail: smarty@swri.edu
	McGlone, Bruce	V	Arvin Meritor 2135 West Maple Troy, Michigan 48084	Phone: 248-435-9929 Fax: 248-435-1411 E-mail: mcglonbf@ArvinMeritor.com
Attending	Prengaman, Chris	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4225 Fax: 440-347 2878 E-mail: crpr@lubrizol.com
	Purnell, Keith	NV	PRI, Nadcap 161 Thorn Hill Road Warrendale, PA 15086-7527	Phone: 724-772-1616X8182 Fax: 724-772-1699 E-mail: kpurnell@sae.org
	Radenich, Pete	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2184 Fax: E-mail: pdr@lubrizol.com
	Rea, Salvatore	V	Infineum USA, LP 1900 East Linden Ave. Linden, New Jersey 07036	Phone: 908-474-6602 Fax: 908-474-3597 E-mail: salvatore.rea@infineum.com
Attending	Schenkenberger, Chris	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2927 Fax: 440-347 2878 E-mail: csc@lubrizol.com

ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST  
September 6, 2006

	<b>Name</b>	<b>Voting V/NV</b>	<b>Company Name Company Address</b>	<b>Phone / Fax / E-Mail</b>
Attending	Smith, Dale (Chairman)	V	Intertek PARC 100 William Pitt Way Pittsburgh, Pennsylvania 15238	Phone: 412-826-5051 Fax: 412-826-5443 E-mail: Dale.Smith@intertek.com
	Sullivan, Bill	NV	William T. Sullivan 5 Scheber Drive Brick, New Jersey 08723	Phone: 908-930-3512 Fax: 267-220-7750 E-mail: wtsullivan@concast.net
	Vettel, Paula	V	D.A. Stuart Company 4580 Weaver Parkway Warrenville, Illinois	Phone: 630-393-8859 Fax: 630-393-8577 E-mail: pvettel@dastuart.net
	Villahermosa, Luis		US Army TACOM 6501 E. 11 Mile Road Warren, MI 48397-5000	Phone: 810-574-4207 Fax: 810-547-4244 E-mail: villahel@tocom.army.mil
	Whitton, Claire	NV	Ethyl Corporation 500 Spring Street P.O. Box 2158 Richmond Virginia 23218	Phone: 804-788-5052 Fax: 804-788-6243 E-mail: Claire_Whitton@ethyl.com
	Yanchar, Paul	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4468 Fax: E-mail: pjy@lubrizol.com
				Phone: Fax: E-mail:

ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST  
September 6, 2006

	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:

ASTM D 7038 L-33-1 SURVEILANCE PANEL PARTICIPANTS LIST  
September 6, 2006

	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:

ASTM D-7038 (L-33-1) MOISTURE CORROSION TEST  
SURVEILANCE PANEL MEETING

For LRI #144  
February 13, 2007  
PRI Headquarters  
Warrendale , PA

**Minutes**

I. Call to Order

II. Business

1) Review rater request to change procedure drawing for Area 1 thrust surface to machined surface?

Option 1) We may agree to the rater request to streamline and conform to what most of the raters are currently doing.

Option 2) We request the raters use the thrust surface as stated in the procedure and provide a rating aid for locating the outside diameter of the thrust washer.

The committee discussed the issue and a historic batch of housings that were machined slightly different where the committee decided to rate the entire machined surface of the parts thrust surface. The committee quickly came to a decision to approve a verbiage change.

Motion: Don Bartlett

Second: Brian Koehler

Vote: 5 in favor Unanimous

**Change both the drawing and the rating description for area #1 to read machined surface instead of thrust surface. Effective immediately.**

2) Review severity trend in the industry (TMC).

Don Lind Report: Severity alarms by test results show LTMS is in a severity trend. Issues stemming from the control charts indicate two labs A&E are the primary cause. TMC is not sure that the results are hardware or rating issues. The queue sum control charts show that the results are on a 45deg slope. This indicates a continuing severity of one standard deviation.

Lab A extreme result is a rating issue based on total surface area of a specific rated area.

Lab B results cyclic and a bit severe

Lab D results show nearly on target just slightly mild. Possibly rating

Lab E is bouncing with results causing its severity issues. Could be either hardware or rating as the cause.

Tracking results shows no clear cause, could be hardware or rating.

Rating issues from the rating workshop:

Variability at workshop show a severity issue based on the change in rating from the original lab rating area #2, 3, 4 have the highest differences. The



ASTM D-7038 (L-33-1) MOISTURE CORROSION TEST  
SURVEILANCE PANEL MEETING

For LRI #144  
February 13, 2007  
PRI Headquarters  
Warrendale , PA

data shows the severity in these areas are being driven by rating, primarily the ability to see very small spots of rust.

What is causing these results in these areas? Magnification may be causing this variability. Raters are varying based on the criteria of texture and depth.

Could we have a problem with the acceptance bands?

TMC perceives that the raters could drive the acceptance more than the possible change in bands. The rating in the industry is dependant on eyesight in the 10, 9 and 8 ratings. The raters are to view the number of rust spots without magnification and then place a result based on the number of spots less than 1mm as none (10), up to six spots (9), or 7+ spots as (8). Area 2 is difficult to see and needs additional light and areas 3&4 are extremely easy to see and influencing the results.

Magnification may be the cause of the problems based on the description of how and when to use it to determine what is rust.

Do we need new verbiage?

How do we eliminate the magnification as an issue? Conference with raters to find verbiage to stabilize ratings.

Would minimum rust size rust factor to eliminate the variability as cause?

Should we ask the LRI if they have a problem with minimum size?

What tools can we use to define the minimum size?

The confirmation is the major question.

Don we should have a face to face with the raters to work out the rating issues.

Jerry should we open the bands?

Should the rating scale be re-thought?

**Action: Chair is to convene a conference call to plan or provide an answer the rating description to happen in the next two week before March 1.**

Rating results indicate the original results are more severe in the original rating than the calibration workshop.

**Motion Don B. Second Sal Rea requesting the initial rater calibration be displayed for review. 5in favor 1 abstain action**

**Action: Don L to look at the rater id with terms of the rating results**

3) Rater calibration workshop issues (Don Lind).

Review if workshop data with eliminating novice raters.

During the calibration workshop raters tried rating one gear without magnification and then rate with magnification to show the variability in rating with and without magnification. The raters were more variable without magnification.

ASTM D-7038 (L-33-1) MOISTURE CORROSION TEST  
SURVEILLANCE PANEL MEETING

For LRI #144

February 13, 2007

PRI Headquarters

Warrendale , PA

- VII. Motion to Adjourn:  
Motion: Chris Schenkenberger  
Second: Cory Koglin  
Vote: Unanimous