

ASTM D7038 (L-33-1) MOISTURE CORROSION TEST  
SURVEILLANCE PANEL MEETING

February 9, 2022

Teams Meeting

## Meeting Minutes

### I. Call to Order

### II. Approval of Minutes

November 09, 2021 LRI

Motion: Matt Sangpeal

Second: Jason Carter

Vote: Unanimous

### III. Business

#### a. Membership review Voting Members

<b>Name</b>	<b>Company</b>
Banas, Rob	ExxonMobil
Beck, Dylan	TMC
Cabaj, Michael	Linamar
Comfort, Allen	US Army CCDC-GVSC
Drija, Kristijan	Lubrizol
Goyal, Arjun	BASF
La Bond, Jessica	Meritor
Muransky, Troy	AAM
Sangpeal, Matt	Afton
Lange, Anthony	Intertek
Mueller, Caroline	SWRI
Zreik, Khaled	General Motors
Zyski, Amy	Dana

- i. Vote: Motion to have Caroline Mueller replace Rebecca Warden as the main voting member for SWRI.

Motion: Rebecca Warden

Second: Wes Venhoff

Vote: Unanimous

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- b. Vote: Form 1 of the Report will be updated to include the Rater Calibration Expiration date and a change to Footnote “b” of the rating table. Effective 04/09/2022.

Rater's Initials (After Test) :		Rater Cal Exp Date:		
Rust/Corrosion				
Location	RUST <sup>A</sup>	CORRECTION FACTOR APPLIED <sup>B</sup>	WEIGHTING FACTOR	WEIGHTED RUST
<b>Differential Case:</b>				
1. At Pinion Contact			* .087	
2. Diff. Gear Contact			* .193	
3. Diff. Gears (Side)			* .094	
4. Axle Hsg. Cover			* .169	
5. Drive Gear (Ring)			* .079	
6. Drive Pinion			* .079	
<b>Bearing:</b>				
7. Drive Pinion Roller			* .051	
8. Drive Pinion Cups			* .083	
9. Diff. Case Roller			* .071	
10. Diff. Case Cups			* .094	
			<b>Original Rust, Merit</b>	
			<b>Correction Factor, Merit</b>	
			<b>Severity Adjustment, Merit</b>	
			<b>Final Rust, Merit</b>	
<sup>A</sup> Rust Level (Enter 10, 9, 8, 5 or 0): None = 10 Trace = 9 = not more than six spots, each less than 1mm in diameter Light = 8 = seven(7) or more spots less than 1mm in diameter or, one(1) or more spots greater or equal to 1mm in diameter with a combined area of all the spots no greater than 1% of the total rated component surface. Moderate = 5 = in excess of above and up to 5% of considered surface Heavy = 0 = covering more than 5% of considered surface				
<sup>B</sup> Correction factor of +1 to be applied to locations 2 and 3 for <b>AAM</b> hardware only.				

Motion: Wes Venhoff  
Second: Rob Slocum  
Vote: Unanimous

- c. Vote: The motion was made to update the addresses of ASTM TMC and AP Services in footnotes 2 and 11 of the ASTM procedure. Effective 02/23/2022.

2 Until the next revision of this test method, the ASTM Test Monitoring Center (TMC) will update changes in this test method by means of Information Letters. This edition includes all Information Letters through 21-1. Information Letters may be obtained from the ASTM TMC, **6555 Penn Ave., Pittsburgh, PA 15206-4489, 203 Armstrong Drive, Freeport, PA 16229** Attention: Administrator.

11 The sole source of supply of the apparatus known to the committee at this time is AP Services Inc., **203 Armstrong Drive, Northpoint Industrial Park, Freeport, PA 16229-18001 Sheldon Road, Middleburg Hts., OH 44130.** Request ASTM L-33-1 Die

Motion: Wes Venhoff  
Second: Arjun Goyal  
Vote: Unanimous

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- d. Vote: The Motion was made to update the wording of section 11.4.2 of the ASTM Procedure (see below) to elaborate on the procedure for washing parts at the End of Test. Effective 02/23/2022.

11.4.2 Lightly pressure wash all parts with a solvent (see 7.2) to remove used test oil **being careful not to remove any small rust spots (pressure not to exceed 30 psi (207 kPa) and without mechanical means such as a brush).**

Motion: Caroline Mueller

Second: Jason Carter

Vote: Unanimous

- e. Oil re-blend and new hardware batch approval discussion
- i. The discussion was started regarding how to handle future hardware batches and future reference oil targets. Nothing was voted on, but some general guidelines were agreed on.
    1. For Reference oil re-blends 1 test from each lab would be run and if the tests line up with history, the targets could potentially be rolled together.
    2. For New Oils an N size of 6 is desired to be able to set the reference oil targets. Per LTMS reference targets are re-visited at N size intervals of 10, 20 and 30.
  - ii. A similar guideline could be used for Hardware batches.
  - iii. A Task Force will be put together to discuss this further and create a unified document for use across all the Gear Oil test types.

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IV. Additional Discussion / Business?

a. None

V. Summary of Action Items

a. None

VI. Adjourn:

Motion: Troy Muransky

Second: Arjun Goyal

Vote: Unanimous

Thank you,  
Anthony Lange  
ASTM D-7038 Chairman

ASTM D 7038 L-33-1 SURVEILLANCE PANEL PARTICIPANTS LIST  
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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
	Aguirre, Nancy	NV	Intertek Automotive Research 5404 Bandera Road San Antonio, Texas 78238	Phone: Fax: E-mail: nancy.aguirre@intertek.com
Attending	Banas, Rob	V	ExxonMobil 114 Arcadia Park Dr. Canton, GA 30114	Phone: 678-493-3930 Fax: E-mail: rob.a.banas@exxonmobil.com
	Barrera, Tony	NV	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: Fax: E-mail: tony.barrera@intertek.com
Attending	Bealko, Steven	NV	Lubrizol	Phone: Fax: E-mail:
Attending	Beck, Dylan	V	TMC 203 Armstrong Dr. Freeport, PA 16229	Phone: 724-355-1854 Fax: E-mail: djb@astmtmc.org
Attending	Bell, Don	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-6332 Fax: 804-788-6243 E-mail: don.bell@aftonchemical.com
Attending	Carter, Jason	V	Meritor	Phone: Fax: E-mail:
	Cabaj, Mike	V	Linamar	Phone: 419-887-3432 Fax: E-mail: michael.cabaj@linamar.com
	Clark, Jeff	NV	TMC 6555 Penn Avenue Pittsburgh, PA 15206	Phone: 412-365-1032 Fax: E-mail: jac@astmtmc.cmu.edu
Attending	Comfort, Allen	V	US Army CCDC-GVSC Mail Stop 110 6501 E. 11 Mile Road Warren, MI 48397-5000 AMSTA-TR-D / 210	Phone: 586-282-4225 Fax: 586-282-4244 E-mail: allen.s.comfort.civ@mail.mil
	Drilja, Kristijan	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-391-6374 Fax: E-mail: krdr@lubrizol.com
	Duho, Kwame	NV	Valvoline	Phone: 859-556-5031 Fax: E-mail: jkduho@ashland.com
	Dwornick, Bridget (Brosnan)	NV	US Army TACOM Mail Stop 110 6501 E. 11 Mile Road Warren, MI 48397-5000 RDTA-DP/210	Phone: 586-282-4221 Fax: 586-574-4224 E-mail: bridget.l.dwornick.civ@mail.mil

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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
	Foecking, Brian	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2130 Fax: E-mail: brian.foecking@lubrizol.com
	Gao, Hong	NV	Shell Global Solutions	Phone: 281-544-7243 Fax: E-mail: hong.gao@shell.com
	Gottwald, Thomas	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5230 Fax: E-mail: thomas.gottwald@aftonchemical.com
Attending	Goyal, Arjun	V	BASF 500 White Plains Road Tarrytown, NY 10951	Phone: 914-785-2083 Fax: E-mail: arjun.goyal@basf.com
	Hobson, Kevin	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23218	Phone: Fax: E-mail: kevin.hobson@aftonchemical.com
Attending	Horvath, Dan	NV	Afton Chemical Corp 2000 Tower Center Southfield, MI 78075	Phone: 248-519-2551 Fax: E-mail: dan.horvath@aftonchemical.com
	Joy, Tisha	NV	BASF	Phone: 914-785-2206 Fax: E-mail: tisha.joy@basf.com
	Kanga, Percy	NV	Exxon Mobil Retired	Phone: 908-335-3780 Fax: E-mail:
	Kearney, Bill	NV	Afton Chemical Corp 2000 Tower Center Southfield, MI 48075	Phone: 248-302-8531 Fax: E-mail:
	Klein, Rick	NV	Valvoline	Phone: 248-513-2538 Fax: E-mail: rmklein@ashland.com
	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	La Bond, Jessica	NV	Meritor 2135 W. Maple Road Troy, MI 48084	Phone: 248-872-3055 Fax: E-mail: Jessica.LaBond@meritor.com
Attending	Lange, Anthony Chairman	V	Intertek Automotive Research 5404 Bandera Road San Antonio, Texas 78238	Phone: Fax: E-mail: anthony.lange@intertek.com

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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
	Lonsway, Chris	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4517 Fax: E-mail: chris.lonsway@lubrizol.com
Attending	Louis, Caroline	NV	Southwest Research Institute 6220 Weiber Road San Antonio, Texas 78228	Phone: 843-471-6283 Fax: E-mail: caroline.louis@swri.org
	Marsic, Vera	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-8024 Fax: E-mail: vera.marsic@lubrizol.com
	Milner, Jeff	NV	Tienhe Chemical	Phone: 804-252-6528 Fax: E-mail: jmilner@tianhe-us.com
	Minke, Andreas	NV	BASF	Phone: Fax: E-mail: andreas.minke@basf.com
Attending	Mosher, Donna	NV	BASF 500 White Plains Road Tarrytown, NY 10951	Phone: 269-217-1715 Fax: E-mail: donna.mosher@basf.com
Attending	Muransky, Troy	V	AAM 1840 Halbrook detroit, MI 48212	Phone: 734-564-8406 Fax: E-mail: troy.muransky@aam.com
	Prengaman, Chris	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: Fax: E-mail: Christopher.Prengaman@lubrizol.com
	Parke, Scott	NV	TMC 6555 Penn Avenue Pittsburgh, PA 15206	Phone: 412-365-1036 Fax: E-mail: sdp@astmtmc.cmu.edu
	Rice, Adam	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5294 Fax: E-mail: adam.rice@aftonchemical.com
	Rock, Bryan	NV	Afton Chemical	Phone: 804-788-5813 Fax: E-mail: bryan.rock@aftonchemical.com
	Rodriguez, Jesus (Jesse)	NV	Intertek Automotive Research 5404 Bandera Road San Antonio, Texas 78238	Phone: Fax: E-mail: jesus.rodriguez@intertek.com
Attending	Sangpeal, Matt	V	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5364 Fax: E-mail: matt.sangpeal@aftonchemical.com

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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
	Sattler, Eric	NV	US Army	Phone: 586-282-2272 Fax: E-mail: eric.r.sattler.civ@mail.mil
Attending	Slocum, Robert	V	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-5102 Fax: Email: robert.slocum@lubrizol.com
	Smith, Dale	NV	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 210-706-1570 Fax: 210-684-6074 E-mail: dale.smith@intertek.com
	Thrush, Steven	NV	US ARMY TARDEC	Phone: 586-282-5170 Fax: E-mail: steven.j.thrush.civ@main.mil
	Tian, Johnny	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 86 18251155728 Fax: E-mail: gangquiang.tian@aftonchemical.com
	Ved, Chintan	V	Ford Transmission and Driveline 35500 Plymouth Rd Lavonia , MI, 48150	Phone: 313-805-9495 Fax: 734-523-3960 E-mail: cved@ford.com
Attending	Venhoff, Wes	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4879 Fax: E-mail: wve@lubrizol.com
Attending	Warden, Rebecca	V	Southwest Research Institute P.O. Drawer 28510 San Antonio, Texas 78228	Phone: 210-522-6266 Fax: 210-684-7523 E-mail: Rebecca.Warden@swri.edu
	Zreik, Khaled	V	General Motors	Phone: 248-977-9214 Fax: E-mail: khaled.zreik@gm.com
Attending	Zyski, Amy	V	Dana	Phone: 419-887-3432 Fax: E-mail: amy.zyski@dana.com
	Shaw, Jason	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: Fax: E-mail:
Attending	Neal, Suzanne	NV	Daimler Trucks NA Detroit Diesel Corp	Phone: 313-408-2843 Fax: E-mail: suzanne.neal@daimler.com
Attending	Kostan, Travis	NV	Southwest Research Institute P.O. Drawer 28510 San Antonio, Texas 78228	Phone: 210-522-2407 Fax: E-mail: travis.kostan@swri.org



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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
Attending	Jordan, Bradley		Shell	Phone: Fax: E-mail: Brad.Jordan@shell.com
Attending	Uy, Dairene		Shell	Phone: Fax: E-mail: Dairene.UY@shell.com
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
				Phone: Fax: E-mail:
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