

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

August 12, 2020

Skype Meeting

Agenda

I. Call to Order

II. Approval of Minutes

February 19, 2020 PRI Headquarters, Warrendale, PA

Motion:

Second:

Vote:

July 1, 2020 Conference Call, Teams Meeting

Motion:

Second:

Vote:

III. Business

a. Membership review Voting Members

Name	Company
Banas, Rob	ExxonMobil
Beck, Dylan	TMC
Cabaj, Michael	Linamar
Comfort, Allen	US Army CCDG-GVSC
Drlja, Kristijan	Lubrizol
Goyal, Arjun	BASF
La Bond, Jessica	Meritor
Muranski, Troy	AAM
Sangpeal, Matt	Afton
Smith, Dale	Intertek
Warden, Rebecca	SWRI
Ved, Chintan	Ford Motors
Zreik, Khaled	General Motors
Zyski, Amy	Dana

b. New Hardware Batch Update

i. Test Matrix discussion.

1. Test per oil per lab

2. Timing?

c. Target Updates TMC

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d. Report Package Changes TMC

Motion:

Second:

Vote:



**Test Method D 7038
L-33-1
Form 4
Lost Time and Comments**

Lab: CC	Motoring Stand : CCCCC
Storage Box: CCCCC	Storage Box Run: CCCCC
Oil Code: CCC	

Number of Downtime Occurrences			S1
Test Hours	Date	Downtime	Reasons
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
		HHH:MM	Total Downtime (hours)

e. New Chairman

i. Recommendation Anthony Lange Intertek

IV. Additional Discussion / New Business?

V. Summary of Action Items

VI. Adjourn

Thank you,
Dale B. Smith
ASTM D-7038 Chairman

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

August 12, 2020

Teams Meeting

Meeting Minutes

- I. Call to Order
- II. Approval of Minutes

February 19, 2020 PRI Headquarters, Warrendale, PA

Motion: Jessica La Bond

Second: Troy Muransky

Vote: Unanimous

July 1, 2020 Conference Call, Teams Meeting

Motion: Jessica La Bond

Second: Troy Muransky

Vote: Unanimous

- III. Business

- a. Membership review Voting Members

Name	Company
Banas, Rob	ExxonMobil
Beck, Dylan	TMC
Cabaj, Michael	Linamar
Comfort, Allen	US Army CCDC-GVSC
Drlja, Kristijan	Lubrizol
Goyal, Arjun	BASF
La Bond, Jessica	Meritor
Muranski, Troy	AAM
Sangpeal, Matt	Afton
Smith, Dale	Intertek
Warden, Rebecca	SWRI
Ved, Chintan	Ford Motors
Zreik, Khaled	General Motors
Zyski, Amy	Dana

- b. New Hardware Batch Update

- i. Test Matrix discussion: Two labs have started receiving their axles on lab is still waiting for delivery

- 1. Test per oil per lab.

Run one test on each reference oil with the new T1XX axle by September 30, 2020. Review the data for comparison to current K2XX batch.

Motion: Rebecca Warden

Second: Wes Venhoff

Vote: Unanimous

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Teams Meeting

- c. Target Updates TMC: The TMC offered an update target presentation for the K2XX axle batch using the area 2 and 3 +1 merit correction. Minimal change was shown. Presentation attached:

The committee agreed to update the targets for the K2XX axle and LTMS by September 1, 2020.

Motion: Wes Venhoff
Second: Matt Sangpeal
Vote: Unanimous

- d. Report Package Changes TMC: The TMC found a problem with the test report form 4 in the L-33-1 report packet. It needs to have a three-digit hour mnemonic for down time rather than two digits. Packet revision to be performed by October 15, 2020

Motion: Rebecca Warden
Second: Jessica La Bond
Vote: Unanimous

**Test Method D 7038
L-33-1
Form 4
Lost Time and Comments**

Lab: CC	Motoring Stand : CCCCC
Storage Box: CCCCC	Storage Box Run: CCCCC
Oil Code: CCC	

Number of Downtime Occurrences			S1
Test Hours	Date	Downtime	Reasons
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
HH:MM	YYYYMMDD	HH:MM	CC
		HHH:MM	Total Downtime (hours)

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e. New Chairman

i. Recommendation Anthony Lange Intertek

Motion to make Anthony Lange Chairman of the ASTM D-7038 L-33-1
committee and voting member for Intertek.

Motion: Wes Venhoff

Second: Troy Muransky

Vote: Unanimous

IV. Adjourn:

Motion: Dale Smith

Second: Arjun Goyal

Vote: Unanimous

Thank you,
Dale B. Smith
ASTM D-7038 Chairman



A Program of ASTM International

Test Monitoring Center

<http://astmtmc.cmu.edu>

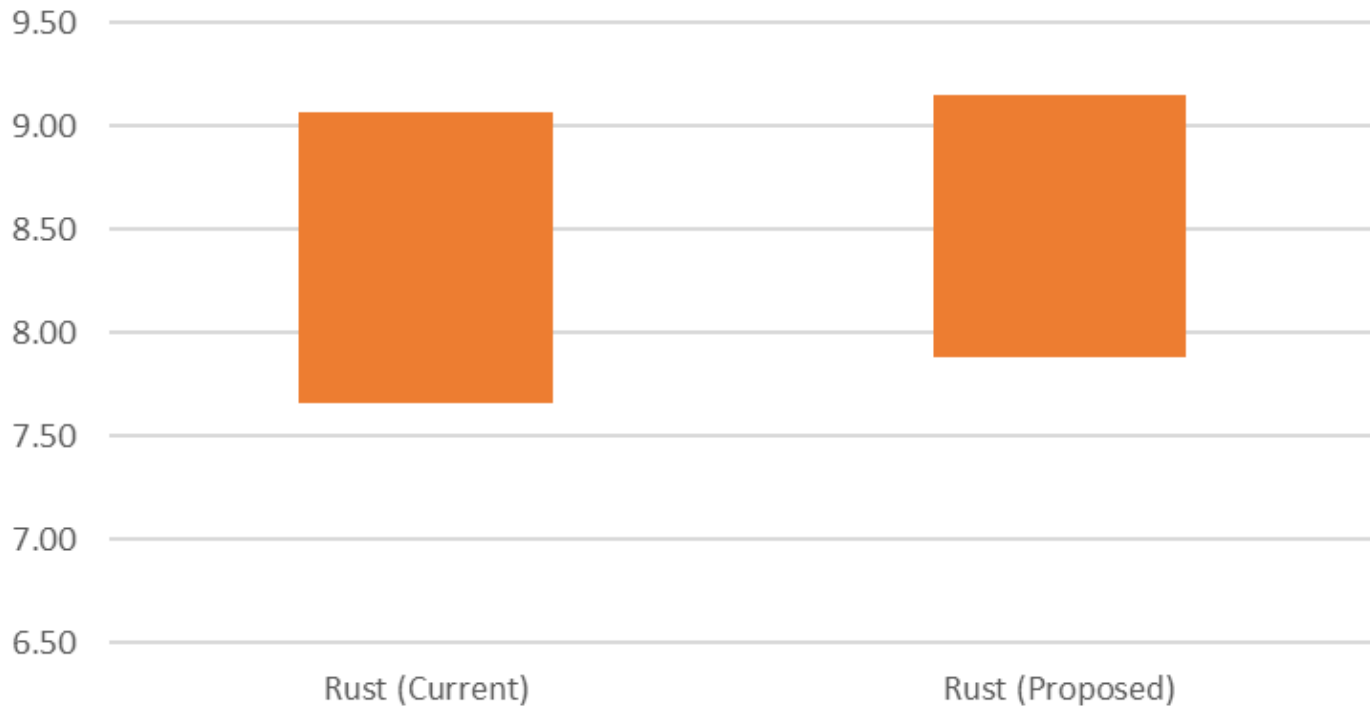
L-33-1 Surveillance Panel Meetings

August 12, 2020

L-33-1: Reference Oil Update For Correction Factor

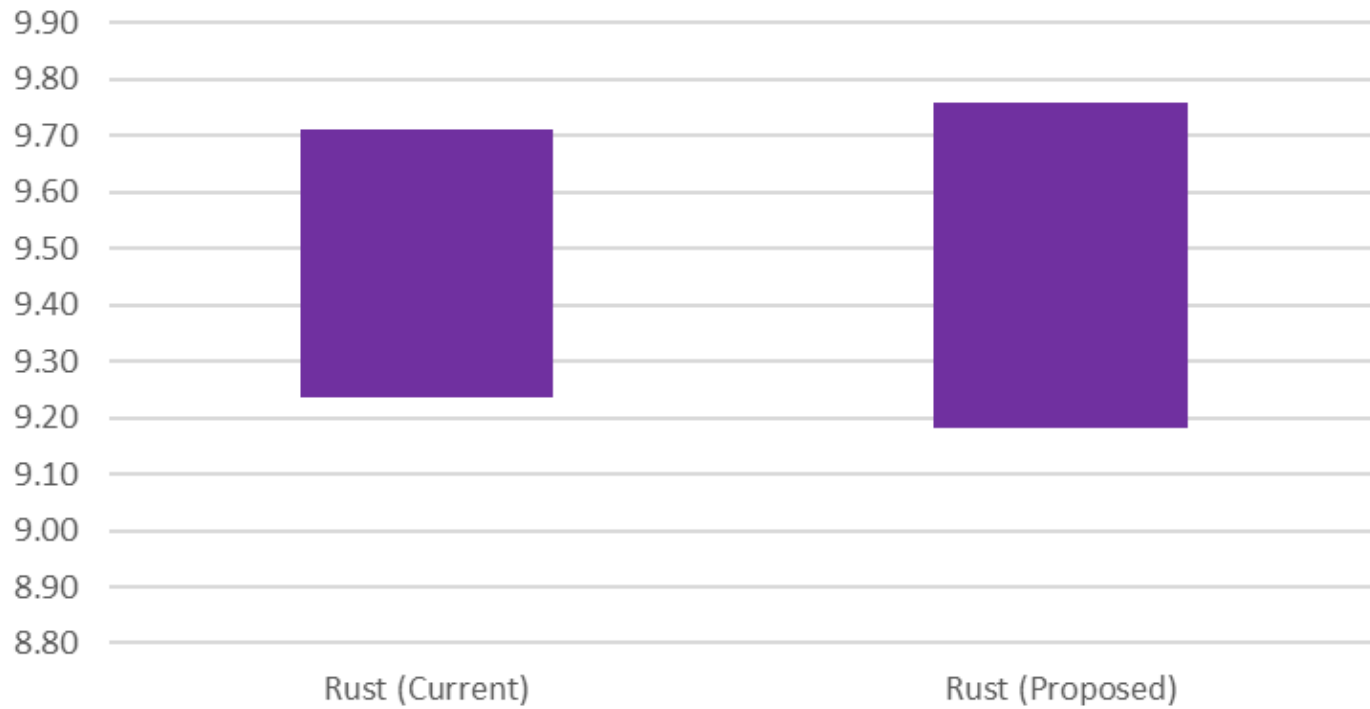
- Reference oil targets update in July 2020 with TMC memo 20-032
 - Targets were adapted for the +1 Correction factor to areas 2 and 3
 - Correction factor went into effect on January 2, 2020
- Target dataset can now be update to have an N size greater than 30 for both reference oils
 - Any test results before before Jan 2, 2020 will be adapted for the new correction factor

123-2 Reference Oil Limits



123-2 Reference Oil		
	Rust (Current Targets)	Rust (Proposed Targets)
Avg.	8.37	8.51
Std.	0.39	0.35
Upper	9.07	9.15
Lower	7.66	7.88
N Size	19	37

155-1 Reference Oil Limits




155-1 Reference Oil		
	Rust (Current Targets)	Rust (Proposed Targets)
Avg.	9.47	9.47
Std.	0.13	0.16
Upper	9.71	9.76
Lower	9.24	9.18
N Size	20	42

L-33-1 – 123-2 Dataset For Targets

testkey	ltmslab	val	ind	ltmsdate	CHART	RUST (W/ CF)
101106-L331	G	NI	123-2	20150714	N	8.6
101107-L331	G	NI	123-2	20150728	N	7.5
108355-L331	G	NI	123-2	20150811	N	8.1
101910-L331	A1	NI	123-2	20150826	N	9.0
108356-L331	G	NI	123-2	20150828	N	8.3
101911-L331	A1	NI	123-2	20150930	N	8.5
109274-L331	B1	NI	123-2	20151029	N	8.5
109275-L331	B1	NI	123-2	20151124	N	8.0
109210-L331	A1	NI	123-2	20151201	N	8.5
108357-L331	G	NI	123-2	20151209	N	9.1
109276-L331	B1	NI	123-2	20151222	N	8.3
109626-L331	B1	AC	123-2	20160726	Y	8.5
114328-L331	G	AC	123-2	20160920	Y	8.5
109627-L331	B1	AC	123-2	20161215	Y	8.5
109212-L331	A1	AC	123-2	20170131	Y	8.6
119050-L331	A1	AC	123-2	20170214	Y	7.7
109628-L331	B1	AC	123-2	20170406	Y	8.4
109629-L331	B1	AC	123-2	20170511	Y	8.0
119051-L331	A1	AC	123-2	20170530	Y	8.5
119052-L331	A1	AC	123-2	20170919	Y	8.6
122902-L331	B1	AC	123-2	20170928	Y	8.5
124980-L331	G	AC	123-2	20171011	Y	8.7
124973-L331	A1	AC	123-2	20171206	Y	8.9
124974-L331	A1	AC	123-2	20180116	Y	8.3
124981-L331	G	AC	123-2	20180213	Y	8.8
124975-L331	A1	AC	123-2	20180619	Y	8.3
122903-L331	B1	AC	123-2	20180628	Y	8.8
122904-L331	B1	AC	123-2	20180925	Y	9.0
130594-L331	A1	AC	123-2	20190404	Y	8.5
124983-L331	G	AC	123-2	20190524	Y	8.7
139983-L331	A1	AC	123-2	20190607	Y	8.8
144440-L331	A1	AC	123-2	20190910	Y	8.3
122905-L331	B1	AC	123-2	20191022	Y	8.5
139383-L331	B1	AC	123-2	20200205	Y	8.7
144442-L331	A1	AC	123-2	20200228	Y	8.5
148930-L331	A1	AC	123-2	20200611	Y	9.0
148931-L331	A1	AC	123-2	20200626	Y	8.9


 : Results adjusted for correction factor

 : Results already reported with correction factor applied

L-33-1 – 155-1 Dataset For Targets

testkey	ltmslab	val	ind	ltmsdate	CHART	RUST (W/ CF)
101104-L331	G	NI	155-1	20150615	N	9.5
108359-L331	G	NI	155-1	20150624	N	9.6
101907-L331	A1	NI	155-1	20150812	N	9.5
101908-L331	A1	NI	155-1	20150917	N	9.5
101549-L331	B1	NI	155-1	20151021	N	9.4
101909-L331	A1	NI	155-1	20151117	N	9.4
108360-L331	G	NI	155-1	20151125	N	9.6
112367-L331	B1	NI	155-1	20151210	N	9.7
112368-L331	B1	NI	155-1	20160113	N	9.4
109208-L331	A1	OC	155-1	20160720	Y	9.7
109209-L331	A1	OC	155-1	20160729	Y	9.4
119047-L331	A1	AC	155-1	20160805	Y	9.4
119048-L331	A1	AC	155-1	20160810	Y	9.4
119049-L331	A1	OC	155-1	20161124	Y	9.5
119641-L331	A1	OC	155-1	20161222	Y	9.6
119640-L331	A1	OC	155-1	20161227	Y	9.2
119642-L331	A1	AC	155-1	20170117	Y	9.4
123084-L331	A1	AC	155-1	20170126	Y	9.4
108361-L331	G	AC	155-1	20170317	Y	9.5
112370-L331	B1	AC	155-1	20170502	Y	9.4
123085-L331	A1	AC	155-1	20170627	Y	9.4
123086-L331	A1	OC	155-1	20170907	Y	9.8
123087-L331	A1	AC	155-1	20171013	Y	9.4
122898-L331	B1	AC	155-1	20171031	Y	9.7
122899-L331	B1	AC	155-1	20171114	Y	9.4
108362-L331	G	AC	155-1	20180613	Y	9.4
123088-L331	A1	AC	155-1	20180814	Y	9.5
123089-L331	A1	OC	155-1	20181016	Y	9.7
130595-L331	A1	OC	155-1	20181107	Y	9.3
130596-L331	A1	AC	155-1	20181126	Y	9.0
114325-L331	G	AC	155-1	20181128	Y	9.4
130597-L331	A1	AC	155-1	20181224	Y	9.7
122900-L331	B1	AC	155-1	20190409	Y	9.4
122901-L331	B1	OC	155-1	20190709	Y	9.3
139385-L331	B1	AC	155-1	20190724	Y	9.6
139984-L331	A1	OC	155-1	20190815	Y	9.7
139985-L331	A1	OC	155-1	20190827	Y	9.4
144445-L331	A1	AC	155-1	20190912	Y	9.4
148934-L331	A1	AC	155-1	20200217	Y	9.7
148935-L331	A1	AC	155-1	20200304	Y	9.5

 : Results adjusted for correction factor

 : Results already reported with correction factor applied

ASTM D 7038 L-33-1 SURVEILLANCE PANEL PARTICIPANTS LIST
August 12, 2020

Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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ASTM D 7038 L-33-1 SURVEILLANCE PANEL PARTICIPANTS LIST
August 12, 2020

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	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
	Foecking, Brian	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-2130 Fax: E-mail: brian.foecking@lubrizol.com
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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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	Hobson, Kevin	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23218	Phone: Fax: E-mail: kevin.hobson@aftonchemical.com
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	Kearney, Bill	NV	Afton Chemical Corp 2000 Tower Center Southfield, MI 48075	Phone: 248-302-8531 Fax: E-mail:

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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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Attending	La Bond, Jessica	V	Meritor 2135 W. Maple Road Troy, MI 48084	Phone: 248-872-3055 Fax: E-mail: Jessica.LaBond@meritor.com
Attending	Lange, Anthony	NV	Intertek Automotive Research 5404 Bandera Road San Antonio, Texas 78238	Phone: Fax: E-mail: anthony.lange@intertek.com
	Lonsway, Chris	NV	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio 44092	Phone: 440-347-4517 Fax: E-mail: chris.lonsway@lubrizol.com
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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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	Rice, Adam	NV	Afton Chemical Corp 500 Spring Street Richmond, Virginia 23219	Phone: 804-788-5294 Fax: E-mail: adam.rice@aftonchemical.com

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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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Initials	Name	Voting V/NV	Company Name Company Address	Phone / Fax / E-Mail
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	Zreik, Khaled	V	General Motors	Phone: 248-977-9214 Fax: E-mail: khaled.zreik@gm.com
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				Phone: Fax: E-mail:

