

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

November 9, 2021

Teams Meeting

Meeting Minutes

I. Call to Order

II. Approval of Minutes

August 11, 2021 LRI Conference Call, Teams Meeting

Motion: Wes Venhoff

Second: Amy Zyski

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
Drija, Kristijan	Lubrizol
Goyal, Arjun	BASF
La Bond, Jessica	Meritor
Muransky, Troy	AAM
Sangpeal, Matt	Afton
Smith, Dale	Intertek
Warden, Rebecca	SWRI
Ved, Chintan	Ford Motors
Zreik, Khaled	General Motors
Zyski, Amy	Dana

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b. Critical Parts List

- i. Motion: to approve the Critical parts list to be added to the L-33-1 procedure, the new wording and document are below.

New Wording

6.2 *Test Unit*—This procedure uses a hypoid differential assembly (without axle tubes). See the critical parts list available from the Test Monitoring Center, www.astmtmc.org [astmtmc.org], for hardware approved for test use. ~~made by American Axle Mfg. The model designation is K2XX, Part No. P40128429A, 3:42 ratio, standard 218.4 mm (8.6 in.). This is an open differential with uncoated ring and pinion.~~ ^{8,9} Until December 31, 2018, a Dana Model 30 V01.1 may also be used.

D7038 Critical Parts List		Version: 1 (Updated May 12, 2021)			
• Test Units (See section 6.2 of the test procedure for additional description):					
	Manufacturer	Identifier	Part Number	Approval Date	Notes
Current	American Axle	T1XX	P40211874A	October 8, 2020	New Pinion Seal Part Number: GM 84428304
	American Axle	K2XX	P40128429A	April 19, 2016	
Obsolete as of December 31, 2018	Dana	V01.1	Model 30	-	

Motion: Anthony Lange
Second: Rebecca Warden
Vote: Unanimous

c. Solvent Cleaning Procedure

- i. It was brought up that the current wording for the Solvent cleaning procedure is a bit ambiguous. New wording will be proposed at the next meeting to help clarify that only pressure washing is allowed for cleaning the parts after the test and no mechanical means are allowed.

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ii. Current Procedure Wording

11.4.2 Lightly pressure wash all parts with a solvent (see 7.2) to remove used test oil.

11.4.3 Coat test parts in Mobil Arma 245^{16,10} prior to final rating.

11.4.4 Clean and coat all parts in Mobil Arma 245^{16,10} within 1 h after disassembling the test axle.

d. Rater Calibration Expiration

- i. Section 12.5 of **ASTM D7038** states that for a rating to be considered valid, the rater must have attended a Gear rating workshop in the previous 12 months. It was decided that the raters should be added to the RCMS database.
- ii. An email vote with the proposed verbiage will be sent out before the January Rating workshop.

IV. Additional Discussion / Business?

- a. None

V. Summary of Action Items

- a. New wording for the End of Test solvent cleaning procedure will be written and proposed at the February 2022 LRI meeting.
- b. An email vote will be put out before the January 2022 gear rating workshop, proposing adding the L33-1 test to the RCMS database.

VI. Adjourn:

Motion: Rebecca Warden

Second: Wes Venhoff

Vote: Unanimous

Thank you,
Anthony Lange
ASTM D-7038 Chairman

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