

ASTM D7038 (L-33-1) MOISTURE CORROSION TEST
SURVEILLANCE PANEL MEETING
February 12, 2025
Teams Meeting

Meeting Minutes

I. Call to Order

II. Approval of Minutes

November 13, 2024 LRI

Motion: Troy Muransky

Second: Arjun Goyal

Vote: Unanimous

III. Business

a. Membership review Voting Members

Name	Company
Banas, Rob Jetter, Steve	ExxonMobil
Beck, Dylan	TMC
Comfort, Allen	US Army CCDC-GVSC
Schaup, Nick	Lubrizol
Goyal, Arjun	BASF
Carowick, Jessica	Cummins
Muransky, Troy	AAM
Sangpeal, Matt	Afton
Lange, Anthony	Intertek
Mueller, Caroline	SWRI
Warden, Rebecca	Chevron Oronite
Zreik, Khaled	General Motors
Zyski, Amy Gibson, Trevor	Dana

- i. Motion to approve Steve Jetter as a replacement for Rob Banas and Trevor Gibson as a replacement for Amy Zyski as voting members.

Motion: Anthony Lange

Second: Jessica Carowick

Vote: Unanimous

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b. New Axle Batch Order

- i. The topic was raised back at the November 2023 D7038 Committee meeting to start a new order of axles for the L33-1 test. Intertek, Southwest Research Institute and Lubrizol will be participating in the batch purchase.
- ii. The labs have run data on the new axle batch and the rating severity is similar to the current axle batch. As such the committee will be moving forward with the purchase. A meeting will be setup with AAM to finalize the batch purchase and discuss any changes
- iii. The Labs are requesting from AAM a teardown/rebuild video for this axle as the carrier will need to be pressed apart and pressed back together. There is discussion about visiting AAM to see the teardown in person during May LRI.
- iv. The labs are concerned about replacement parts for this axle. When tearing apart the axle bearings and seals can be damaged and would need replacing before test. During the meeting with AAM it will be asked to get a list of replacement parts.

c. Fan Speed Deviation and Shutdown limits

- i. Currently there is no mention within the ASTM D7038 procedure of downtime limits for the storage phase of this test. The question was raised should there be limits and how would they be dealt with.
- ii. Part of the action items from November was to add an encoder to the fan speed by this meeting. One of the labs was not able to accomplish this before the meeting so the due date will be pushed to May LRI.
- iii. There was more discussion about shut down limits and what would be acceptable. It was proposed to create a deviation limit for fan speed which would remove the need for having a shutdown limit during the test phase. There is already a deviation limit for the temperature.
- iv. Verbiage will be drafted for including deviation limits for the Fan speed for continued discussion at May LRI.

d. Rating Correction Factor

- i. Motion is to remove section 12.4.1 and 12.4.2 along with the sentence mentioning the 0.6 merit correction in section 12.4 and move all correction factor information to the controlled *Critical Parts List*.

Vote: Unanimous

- ii. It was brought up to the committee while discussing the new axle batch that the correction factor discussed in section 12.4.2 of ASTM

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D7038 gives blanket coverage for all AAM hardware to have a correction factor. Since we are switching batch types within AAM and may no longer need this correction factor it was decided to move the correction factor to the critical parts list specifying specific axle batches that will receive the correction factor.

IV. Additional Discussion / Business?

- a. None

V. Summary of Action Items

- a. Setup a meeting with AAM to approve the full batch order for the new Hardware.
- b. Lubrizol and Intertek will add encoders for the storage box fan speed with a projected completion date of May LRI 2025.
- c. During the May LRI 2025 Committee meeting the discussion of downtime during the Storage phase would be discussed again with proposed verbiage.

VI. Adjourn:








Motion: Rebecca Warden
Second: Troy Muransky
Vote: Unanimous

Thank you,
Anthony Lange
ASTM D-7038 Chairman

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