

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

For LRI #155
February 11, 2009
Detroit Armory
Warren, Michigan

AGENDA

I. Call to Order

II. Business

**Current severity of the L-33-1 Test
Appearing in additional lab
Area 2, 3, and 4 causing shift in the severe direction**

TMC 151-3 and 155 both show this as severe 2, 3, and 4.

TMC is out of TMC 153-1 reference oil there are a few cans remaining in the labs only. The replacement oil has been in the labs and being used for some time without flagging any issue directly relating with reference oils.

The TMC suggests that the results from TMC 155 when 20 tests complete will drive the acceptance bands lower to allow the border line tests to pass.

SWRI suggests that the targets should not change but allow the Labs severity adjustments and keep the acceptance bands where they are.

An oil supplier indicated that the severity is being seen on the product side based on getting some results that would indicate that it is a lab issue. The committee asked the oil company to offer some data to confirm the comment. This will be addressed in future meetings to determine if it is related to the area 23 and 4 issues.

Gaskets covers and templates were passed around to review by the panel.

LZ brought a gasket from a previous order that shows a significant change in the gasket dimensions. The gasket they brought matches the rating template exactly. The recent batch is different.

The chair agrees to check with the supplier to confirm that the die has not changed and convene a conference call to discuss the results of the supplier contact.

The Chair contacted the supplier and found that they have changed their method of cutting from a die to a hydro laser cutting system and the cause of the gasket change is based on how they scanned the die to their new cutting system. A lab conference call was convened to discuss the error and what the next step will be based on the chairs findings. The scenarios are as follows:

1. Keep the gasket as it exists and use the current gasket as the template into the future.
2. The labs get all new gaskets to match the template and retire the gaskets that are dimensionally incorrect.

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3. Request the supplier replace the gaskets based on them being different than specified.
4. Return the existing gaskets to be cut to the correct dimensions.

The chair agreed to communicate with the supplier about issue 3 and 4 to determine if they could or would assist the industry in correcting the issue.

The committee agreed to do a rating comparison on all reference tests to confirm the impact of this issue. The motion is as follows:

Rate all reference test axle cover Area #4 first with the certified rating template and report as test the results, then rate the cover using that tests Teflon axle cover gasket and write the results in the raters comment section of the test report.

Motion: Don Lind

Second: Galen Greene

Vote: Unanimous

Review build difference questionnaire.

Questions not complete to be reviewed in a future meeting.

Can we make change that will make more cost effective use of system? Discussion of the Labs reference system and ways to reduce testing costs.

Two possibilities were presented by Brian Koehler

1. Extend the instrument calibration period from 3 month (before the start of every stand reference) to 6 months (every other reference period).

The reliability of the current systems and instruments being used by the labs makes this a very acceptable possibility. A motion is presented:

Change the instrument calibration to be run every 6 months or 20 in the test procedure tests whichever happens first.

Motion: Brian Koehler

Second: Galen Greene

Vote: 5 in favor, 1 abstain

2. Could we extend the reference period to 6 months?

This was not acceptable based on the current severity issues facing the L-33 test and was dropped for now.

III. New Business?

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IV. Summary of Action Items

V. Summary of Motions and Votes

Do a rating comparison using the template and the gasket to determine if this is causing the area #4 severe trends.

Change the Instrument calibrations from every 3 months or 10 tests to every 6 months or 20 tests.

VI. Adjourn Motion

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November 11, 2009

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 - Discussion reference system**
 - Can we make change that will make more cost effective use of system?**
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