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Meeting Minutes: Surveillance Panel Meeting May 11, 2016, 9:30am – 10:30 am EST

See attendance sheet for member attendance. In addition, Vera Marsic and Kwame Duho called in.

- The L33 committee membership was reviewed. A motion was made by Angela Trader to accept Troy Muransky as a replacement voting member for Bruce Mcglone (Meritor). The motion was seconded by Matt Umerley and passed unanimously.
- Meeting minutes from several previous meetings were reviewed. Motion was made by Matt Umerley to approve. Motion was seconded by Eric Donovan. Motion carried unanimously.
- The current status of the test was presented: the hardware has been approved for use pending the information letter to update the procedure and the availability of the rating templates; a 0.6 merit correction factor will be applied to the final rust value for all candidate tests.
 - The TMC cannot provide a date for when the rating templates will be available. The TMC will provide temporary rating templates to each lab until the official templates are available.
 - AR to provide drawing of the thermocouple drill guide to TMC for addition in the information letter.
 - All labs will be required to reference their stands before using the new hardware.
 - LRI will be informed of the hardware approval and c.f. of 0.6 merits during the LRI open meeting by Wes Venhoff's ASTM Update presentation.
 - The K2XX hardware is expected to be available until at least 2018. Originally the labs planned to place another order at the end of 2016 but due to delays in approving the hardware, the order is not expected to be needed until the end of 2017.
- During the hardware shortage with the Dana v01.1 axles, the reference period was doubled to 20 tests or 6 months. Keeping the extended reference period was discussed.
 - A motion was made by Rebecca Warden to define the reference period for the L33-1 test to be 10 tests or 5 months, whichever comes first. The motion was seconded by Troy Muransky. The motion passed with 6 for, 0 against, and 1 abstention.
- Because of the reference period extension, instrument calibration frequency was discussed.
 - A motion was made by Matt Umerley that states an instrument calibration is required prior to every reference test. The motion was seconded by Allen Comfort and passed unanimously.
- Motion was made to adjourn the meeting by Angela Trader and seconded by Matt Umerley. Motion carried unanimously.

Respectfully,

Angela Trader

L33-1 Surveillance Panel Meeting

Automation Alley
Troy, MI
May 11, 2016
9:30am – 11:30am



Agenda



Valued Quality. Delivered.

- Call to Order
- Membership Review
- Approval of Meeting Minutes
- L33-1
 - Matrix Test Results
 - Severity Correction Factor
 - Procedure Updates
- New/Open Issues
- Adjournment

Approval of Meeting Minutes



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➤ SP Meeting Minutes

- SP Meeting 12August2015
 - (20150812 SP.pdf)
- SP Meeting 04November2015
 - (20151104 SP.pdf)
- Conference Call 05April2016
 - (20160405 Conference Call.pdf)
- Conference Call 19April2016
 - (20160419 Conference Call.pdf)

Membership Review

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Voting Members:

- Tom Bryson – Mack (Greg Shank ?)
- Allen Comfort – US Army
- John Dharte – AAM
- Eric Donovan - Afton
- Rob Banas – ExxonMobil
- Donna Mosher - Eaton
- Bruce McGlone – Meritor
- Scott Parke – TMC
- Angela Trader - Intertek
- Matt Umerley – Lubrizol
- Chintan Ved – Ford
- Rebecca Warden – SwRI
- Jack Zakarain – Chevron
- Khaled Zreik – GM

Matrix Test Results



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TMC Oil Code	Rating Location										Final Rust	
	1	2	3	4	5	6	7	8	9	10		
155-1	9	10	9	8	10	9	10	10	10	10	10	9.4
155-1	10	8	8	10	10	9	10	10	10	10	10	9.3
155-1	10	8	8	9	10	10	10	10	10	10	10	9.3
155-1	10	8	8	9	10	10	10	10	10	10	10	9.3
155-1	10	8	8	8	10	10	10	10	10	10	10	9.1
155-1	10	8	8	10	9	10	10	10	10	10	10	9.3
155-1	10	8	8	8	10	10	10	10	10	10	10	9.1
155-1	10	8	8	10	10	10	10	10	10	10	10	9.4
155-1	10	8	8	8	10	10	10	10	10	10	10	9.1
123-2	8	9	8	8	8	8	10	8	8	8	8	8.3
123-2	8	5	5	8	8	8	8	8	9	8	8	7.2
123-2	5	8	8	8	8	8	8	9	8	8	8	7.8
123-2	8	8	8	8	8	8	8	8	8	8	8	8.0
123-2	10	8	8	9	9	8	8	10	9	9	9	8.8
123-2	9	8	8	8	8	8	8	9	9	8	8	8.2
123-2	10	8	8	8	8	8	8	8	8	8	8	8.2
123-2	10	8	8	8	8	8	8	9	8	8	8	8.3
123-2	10	5	8	8	8	8	8	9	8	8	8	7.7
123-2	8	8	8	8	8	8	8	8	8	8	8	8.0

AAM Data

155-1 Mean: 9.26

123-2 Mean: 8.05

Current v01.1 Targets

155-1 Mean: 9.580

123-2 Mean: 8.740

Std. Dev.: 0.250

Std. Dev.: 0.260

TMC Severity Shift Analysis



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- Industry Oil 123-2:
 - AAM mean – 8.1 (N = 13)
 - Dana mean – 8.67 (N = 98)
 - Severe shift of about 0.6

- Industry Oil 155-1:
 - AAM mean – 9.35 (N = 11)
 - Dana mean – 9.42 (N = 29)
 - Severe shift of < 0.1

- On April 19 Conference Call, the SP made a motion to approve a 0.6 merit correction factor for candidate tests. Motion passed.
- On April 19 Conference Call, the SP made a motion to approve the K2XX axle for testing pending the availability of the rater templates and information letter. Motion passed.
 - Dana v01.1 hardware can still be used for one year from the date the information letter and rating templates are available.
- Reference oil targets will be calculated based on the current available data (9 tests on 155-1 and 10 tests on 123-2)

- During 04 April Conference Call, SP decided to abandon new procedure in favor of modifying existing D7038 (information letter) in the interest of time and simplicity
 - TMC has reviewed necessary changes. Information letter work in progress.
 - Intertek owes TMC drawing of the thermocouple drill and tap fixture.
 - Rater templates have been sent to TMC for production (availability date TBD).

New/Open Issues



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Any new business?

Intertek

Thank You!

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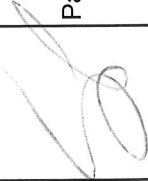

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