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### **Committee D02 on PETROLEUM PRODUCTS AND LUBRICANTS**

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January 3<sup>rd</sup>, 2014

Reply to:  
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ASTM D02.B0.03 L-37 Surveillance Panel  
Members and Guests:

Attached for your review and comment are the unconfirmed minutes of the:

- **December 05th, 2013 S.P. Meeting, Teleconference**

Please direct any corrections or comments to my attention.

Sincerely,

Chris Prengaman, Chairman  
L-37 Surveillance Panel

**Report of Meeting**  
**L-37 Surveillance Panel Meeting**  
**Teleconference**  
*December 05th, 2013 Meeting*

**Attendees:**

Voting Members in **BOLD**

**Gottwald, Thomas – Afton Chemical**

Marsh, Greg – American Axle Manufacturing

**Parke, Scott – ASTM TMC**

Fett, Greg – Dana

**Marougy, Thelma – Eaton**

**Smith, Dale – Intertek Automotive Research**

Trader, Angela – Intertek Automotive Research

**Prengaman, Chris – Lubrizol**

Gropp, Jerry – Lubrizol

**McGlone, Bruce – Meritor**

**Koehler, Brian – Southwest Research Institute**

The meeting was called to order at 10:00 EST.

**1.0 Agenda Review**

The agenda was reviewed.

**2.0 Correction Factor, Hardware Approval Discussion**

C. Prengaman framed the discussion for the group, covering what the group had the authority to implement, and the process for implementation of modifications to the current procedure.

See attachment for wording proposals

C. Prengaman – would TMC 134 be appropriate to run under Canadian conditions? J. Gropp, believes it would be fine to run.

J. Gropp does shared he does not agree with proposals 2 or 3.

G. Fett does shared he does not feel the data shows a need for a correction factor.

Several individuals felt there is a need for some correction factor.

It was requested that S. Parke pull the recent reference runs since the approval matrix was run for this hardware batch to see if this might change what correction factors appear to be needed.

C. Prengaman will call another meeting to facilitate further discussion on this topic.

**3.0 New Business**

**4.0 Adjournment**

Motion to adjourn .

Respectfully Submitted

Chris Prengaman

## Proposed Correction Factor Motion :

**No more than +1 merit correction factor for all 4 versions of the test on V1L528/P4T883A.**

12.3.4 *V1L528/P4T883A Nonlubrited Gear Set*—When using the nonlubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed test result of both pinion ridging and pinion rippling. Rate each pinion tooth for spitting and report the fourth lowest tooth rating for the final pinion spitting test result.

12.3.4.1 See [A6.3.4](#) for L-37 Canadian Version test.

12.3.5 *V1L528/P4T883A Lubrited Gear Set*—When using the lubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed pinion ridging test result. Rate each pinion tooth for spitting and report the second lowest tooth rating for the final pinion spitting test result.

12.3.5.1 See [A6.3.4](#) for L-37 Canadian Version test.

A6.3.4.3 *V1L528/P4T883A Nonlubrited Gear Set*—When using the nonlubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed pinion rippling test result. Rate each pinion tooth for spitting and report the fourth lowest tooth rating for the final pinion spitting test result.

A6.3.4.4 *V1L528/P4T883A Lubrited Gear Set*—When using the lubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed test result of both pinion ridging and pinion rippling. Rate each pinion tooth for spitting and report the second lowest tooth rating for the final pinion spitting test result. Add 0.3365 to the transformed ring ridging test result.

## Proposed Correction Factor Motion:

**No Correction Factor for standard version of the test, no more than a +1 merit correction factor for Canadian version of the test on V1L528/P4T883A**

12.3.4 *V1L528/P4T883A Nonlubrited Gear Set*—When using the nonlubrited hardware gear set V1L528/P4T883A for non-reference oil tests. Rate each pinion tooth for spitting and report the fourth lowest tooth rating for the final pinion spitting test result.

12.3.4.1 See [A6.3.4](#) for L-37 Canadian Version test.

12.3.5 *V1L528/P4T883A Lubrited Gear Set*—When using the lubrited hardware gear set V1L528/P4T883A for non-reference oil tests. Rate each pinion tooth for spitting and report the second lowest tooth rating for the final pinion spitting test result.

12.3.5.1 See [A6.3.4](#) for L-37 Canadian Version test.

A6.3.4.3 *V1L528/P4T883A Nonlubrited Gear Set*—When using the nonlubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed pinion rippling test result. Rate each pinion tooth for spitting and report the fourth lowest tooth rating for the final pinion spitting test result.

A6.3.4.4 *V1L528/P4T883A Lubrited Gear Set*—When using the lubrited hardware gear set V1L528/P4T883A for non-reference oil tests, add 0.3365 to the transformed test result of both pinion ridging and pinion rippling. Rate each pinion tooth for spitting and report the second lowest tooth rating for the final pinion spitting test result. Add 0.3365 to the transformed ring ridging test result.

## **Proposed Hardware Approval Motion:**

**Declare V1L528/P4T883A hardware not approved for use for Canadian lubrited conditions.**

*A6.3.4.4 V1L528/P4T883A Lubrited Gear Set* – V1L528/P4T883A lubrited hardware is not approved for use in non-reference oil tests.

\*Note – The procedure does not actually specify what hardware batches have been approved for use. Another option would be to add an approved hardware list – and specify which versions of the test the hardware is approved for use on. It currently is “managed” by TMC from the LTMS system. TMC only releases oil for stand calibration if you are requesting it for use on an approved hardware batch that has approved targets in place. See 9.1 and 9.2 within the procedure.