LRI Gear Lubricants Review Committee
Intertek AR – Plymouth, Michigan
May 8, 2025
Meeting #217 Minutes
UNCONFIRMED

OPEN COMMITTEE MEETING

1.0 QUORUM / INTRODUCTIONS

1.1 Opening Comments, Call to Order / Quorum Check

The meeting was called to order by Chairperson, Troy Muransky. A quorum was established with the following representatives present. NOTE: Some members attended in-person, and some attended via Telecon only and are noted with an "*".

ATTENDANCE – LRI Review Committee Members:

Jessica Carowick	Cummins
Hailey Catania(Alt)	Cummins
Allen Comfort	U.S. Army – Vice Chairperson
Trevor Gibson	Dana Corporation
Bruce McGlone	Retired – Cummins Meritor
Jeanelle Morris*	International Motors, LLC
Troy Muransky	American Axle & Mfg. - Chairperson
Eric Sattler (Alt)	U.S. Army
Camden Vander Wal	Daimler Trucks North America
Wes Venhoff (Alt)	ASTM/TMC
George Zarins	American Axle & Manufacturing
Khaled Zreik	General Motors

LRI Committee Members:

Nick Ariemma	The Lubrizol Corporation
Don Bell	Afton Chemical Corporation
Tobias Bender	FUCHS
Maxim Burgman	FUCHS
Margaret Caridi	BASF Corporation
Jason Gingerich	The Lubrizol Corporation
Arjun Goyal	BASF Corporation
Hyeok Hahn*	Chevron
Julie Hardwick*	HF Sinclair
Daniel Horvath	Afton Chemical Corporation
Steven Jetter	ExxonMobil
Anthony Lange	Intertek AR
Clarence McCullum	Xinxiang Richful Lube Additive Co. Ltd.
Donna Mosher	BASF Corporation
Caroline Mueller	Southwest Research Institute
Matt Sangpeal	Afton Chemical Corporation
Nick Schaup	The Lubrizol Corporation
Andrew Smith	Infineum US LP
Dairene Uy*	Shell International
Rebecca Warden	Chevron Oronite

Guests:

Alex Bell*	Shell International
Payton Wright	Southwest Research Institute

PRI Staff

Wendy Grubbs

1.2 Review Code of Ethics and Conflict of Interest

The meeting attendees were reminded of their Code of Ethics and Conflict of Interest responsibilities and Anti-Trust notification which are intended to guide all in their participation in the meeting. They were posted at the bottom of the meeting agenda.

1.3 Confirmation of Guests – Determine Membership

Both guests, Alex Bell from Shell International and Payton Wright from Southwest Research Institute are to be listed as Supplier Members (SMBR) for the LRI Committee.

1.4 Review Members Completion of Confidentiality Forms

No new Reviewers were present. Both Trevor Gibson and George Zarins that were approved as Reviewers during this meeting, previously provided signed forms.

1.5 Request for Membership

Nick Ariemma made a motion, 2nd by Clarence McCullum to approve Trevor Gibson from the Dana Corporation as a Reviewer at the L-37-1 station. Motion Approved

Nick Ariemma made a motion, 2nd by Clarence McCullum to approve George Zarins of American Axle & Manufacturing as a Reviewer at the L-42 station. Motion Approved

1.6 Annual Review of Membership Status

a. Review Meeting Attendance Record – Designate Member Status

The following people were identified to be removed from the LRI Committee Roster from representatives from the same company: Rob Banas, Bob Campbell, Steve Carr, Suzanne Neal, Eric Sattler (July 31, 2025), Connor Thomas, Jason Wells and Amy Zyski.

Eric Sattler from the U.S. Army reported that he will be retiring July 31, 2025. The LRI Committee congratulated him and thanked him for his years of service and his contributions to the LRI Committee.

2.0 Approval of Previous Meeting #216 Minutes

Jessica Carowick made a motion, 2nd by Allen Comfort to approve the LRI Meeting Minutes for meeting #216 as written. Unanimously approved.

3.0 Summary of ASTM Meetings

3.1 Report of Summary of ASTM Meetings – N. Ariemma

N. Ariemma presented a summary report of the ASTM meetings conducted Wednesday, May 7th. (Attachment 1).

4.0 Action Item Review

Action Item #4.4 remains open. Action Items #4.1, 4.2, 4.3, 4.5, 4.6 4.7 and 4.9 thru 4.14 have been designated as “Closed”.

5.0 LRI Meeting Attendance / Venue

5.1 The next LRI Meeting #218 is scheduled for Thursday, August 14, 2025, at Intertek AR in Plymouth, Michigan. No Field Trial Presentations are planned.

6.0 Old Business

6.1 Field Trial Replacement (Light Duty) Sub-Team Update – H. Hahn

The Sub-Team consists of Hyeok Hahn (Lead), Don Bell, Anthony Lange, Donna Mosher, Allen Comfort, Amy Zyski, Nick Schaup, Eric Sattler, Rebecca Warden, Dairene Uy, Caroline Mueller, Troy Muransky, Matt Sangpeal, Jessica Carowick, Steve Carr - Guests: Michael Portell (Intertek), Michael Charron (SwRI)

Still need Reviewers and Additive Companies to provide their top 10 choices of light duty vehicle/axle from recent field trials.

Hyeok Hahn reported that the CRC has indicated that we cannot receive any funding from them to pursue this research. He also recommended that we close this topic until there is funding and an opportunity to pursue the research again.

ACTION ITEM: Clarence McCollum to develop a proposal for an alternate light duty field trial and present it at the August 2025 LRI Meeting.

6.2 Pass/Fail Criteria for Review of Field Trials Sub-Team – T. Muransky

The Sub-Team consists of: Allen Comfort, Nick Ariemma, Jessica Carowick, Nick Schaup, Caroline Mueller, Jeanelle Morris, Anthony Lange

Criteria to include: no cracks, visual inspection, oil drain data, no candidate related issues.

No updates since Meeting #216. Expected updates at Meeting #218.

6.3 GL Form Revision – T. Muransky

Updates discussed during the meeting are completed.

ACTION ITEM: Each Supplier Company is to provide Troy Muransky their company address for the GL Form 1 dropdown selection in order for the form to autofill.

ACTION ITEM: Troy Muransky to complete the changes suggested during the meeting and provide the final version of the GL Forms to PRI.

ACTION ITEM: PRI to post the new version of the GL Forms on the www.p-r-i.org website.

6.4 PD4000 Revision – T. Muransky

Specific sections of the PD4000 draft were reviewed for clarification.

The following ideas were suggested for the next revision of PD4000 and will be added to the LRI Committee "PD4000 Proposed Changes Updated May 19, 2025" spreadsheet for future reference.

- Include a Waiver form as a new tab on the GL Forms
- Include an Appendix A – Workflow
- Include a Field Trial form as a new tab on the GL Forms
- Include an LRI Meeting Candidate Presentation Preparation Checklist
- Include a requirement for a Test Laboratory ISO Certificate for Rebranding Formulations
- Include instructions as to how Field Trial parts are to be presented (i.e., torn apart)

ACTION ITEM: PRI to distribute a survey to the entire LRI Committee regarding quorum requirements for committee membership, approval of positions and ballots. The survey

is to also include questions regarding LRI Meeting submission documentation including test reports and test part shipping.

ACTION ITEM: T. Muransky to update PD4000 Rev O with answers from the survey including sections 3.14, 3.18, 4.6 and 4.7 and define "Qualifying Activity". Also update page numbers in Table of Contents.

7.0 New Business / Open Discussion

7.1 Testing Required for Expired Formulations - T. Muransky
Product approvals must follow PD4000. If the QPL expires, it must be considered a new program, unless otherwise approved by the Review Committee.

7.2 Maintain PRI GL Numbers – T. Muransky
Troy Muransky presented a suggestion that J2360 PRI-QPL listings maintain the same PRI GL number forever and just add a dash number following the GL number. It was a consensus to keep the PRI GL numbering system as it is currently managed.

7.3 Review SAE J2360 Ballot – T. Muransky
LRI Committee members were reminded to complete their review and vote on the SAE J2360 ballot. The ballot is to close June 1, 2025. When this ballot is completed, we can review and ballot the new version of PD4000.

7.4 FED791 Review Required to Match J2360, PD4000 and GL Form 3b – A. Comfort

ACTION ITEM: Allen Comfort to review FED791 to ensure that it matches SAE J2360, PD4000 and GL Form 3b.

7.5 L-33 Template Rings – A. Lange
Anthony Lange reported that new review template rings need to be ordered for the additive manufacturers, the testing labs and PRI for the use of the L-33 reviewers.

When received, the LRI Committee will discuss an annual lab calibration/verification of templates. The LRI template will be marked "For Reference Only".

ACTION ITEM: Anthony Lange to obtain a quote from Curtiss Wright for the L-33 template ring, and the applicable company representatives will determine how we are going to handle the purchase of the rings.

7.6 Reviewer Replacements
Eric Sattler reported that he will be retiring July 31, 2025. Everyone congratulated him on his retirement, thanked him for his contributions to the LRI Committee and wished him well.

PRI reported that Steve Carr emailed February 17, 2025, that he is no longer going to support the LRI Committee as a Seals Reviewer effective immediately.

ACTION ITEM: Allen Comfort to identify a replacement L-60 Reviewer from the U.S. Army.

ACTION ITEM: Trevor Gibson to identify a replacement Seals Reviewer from Dana Corporation.

8.0 Parking Lot

8.1 Field Trial Replacement (Light Duty) - concern – H. Hahn [Topic not to be removed until a replacement has been identified.]

8.2 PRI to post at least five (5) years of meeting minutes onto the PRI website.

9.0 Adjournment

NOTE: 40-Day Corrections are due to PRI by Tuesday, June 17, 2025.

The next LRI Committee Meeting is scheduled for Thursday, August 14th. A notification will be distributed three (3) weeks prior to that date.

Presenters are requested to provide an expected date of field test completion and presentation to the LRI Committee by contacting the PRI Staff (Wendy Grubbs – wgrubbs@p-r-i.org or 724/772-8647).

Minutes prepared by Wendy Grubbs

***** For PRI Staff use only: ******		
Are procedural/form changes required based on changes/actions approved during this meeting? (select one) YES* ☒ NO ☐ *If yes, the following information is required:		
Documents requiring revision:	Who is responsible:	Due date:
GL Forms	**T. Muransky**	**May 29, 2025**
PD4000	**T. Muransky**	**TBD – Awaiting SAE J2360 Ballot Closure**