

**Global Lubricants Test Standards Team (GLTST)**  
**Virtual meeting MINUTES**  
**June 8, 2023**



Global Lubricants Test Standards Team

Call to Order – Steering Committee Lead: Greg Miiller

The meeting was to order at 8:01 AM EST

Attendees were reminded that this meeting is closed. Only members can attend.

- Approval of Agenda (see below)

Agenda was reviewed with no additional requests from the members. The presentation is attached.

**Old Business**

- Short update with WG 1,2
- WK3 discussion
- Updates from ACEA and ILSAC:

**New Business**

**Electric Vehicle Test Update**

**Next Meeting**

**Adjournment**

- **Minutes**

Meeting minutes were approved unanimously by a voice vote.

- **Membership**

The list of members was shared, and a roll call established attendance and a quorum.

The members and attendance list are given at the end of this report.

New member [Peter Schick](#) representing ACEA HD was welcomed to the team!

**Old Business**

**Mission Statement Reminder**

The mission statement for the GLTST was reviewed. This group mission is to offer an international platform for the lubricants industry to facilitate the sharing of global concerns, materials, intellect and financial commitments.

Providing a communication forum to assist with industry issues, cross border specification differences and streamlined test methods.

To encourage industry collaboration and sharing by facilitating meetings and providing an electronic platform for sharing information, documents, and data.

This group does not set or develop standards or interfere with the work of standard organizations.

**Issues to Discuss – Old Business**

**Working Group – 1 G. Miiller**

**GOAL: Report on work that is proving CEC L014 and D7109 show equivalent results at 90 pass.**

ASTM/CEC Issue: prove that CEC L-014 and ASTM D6278/D7109 are equivalent.

ILS starting – APPROVED by task groups of ASTM and CEC. A study to evaluate L-014 and D7109:

Are 90 pass final results the same (even if the ASTM test takes a 30 cycle sample)

COMPLETION GOAL for the ILS from CEC is September 2023. It will be reviewed in October 2023 by the CEC and December 2023 by the task groups at ASTM.

**Working Group – 2** (Precision differences in D4683 and L-036 and 5800 and L-040). **G. Miiller**

Goal: Encourage relevant ASTM subcommittees and CEC to review precision between test methods using the exact same technology for the betterment of the industry as a whole.

This is in-depth and extensive work that requires close collaboration between ASTM subcommittees and CEC statistic groups.

1. **Noack** group has not met. The plan is to meet in October, 2023.

2. **HHS**

a. Work in process. CEC statistician Chris Grey and statistician Alex Lau, subchair of ASTM D02.94 on Quality Assurance and Statistics are working together to complete the analysis. The data analysis is complete. A recommended value for D4741 is made but not yet for D4683. More discussion is needed to make a determination.

**Working Group – 3** (SSO sharing opportunities planning team) **Angela Willis**

Angela Willis introduced the proposed template and the goals of this group emphasizing that this template is not final. The features of the template were explained. There were several comments and recommendations. It was agreed that the document would only be made public, outside of the GLTST, if agreed upon by the GLTST group. Including an area on the form for “tests in progress” was suggested. In the future, it could be advantageous to even have a database that is searchable for this information.

**Actions: The template will be sent out for more input. Any input will be made to the document. The goal is to vote on the document at the meeting in Denver at the end of June, 2023. Once the main body approves the template, then we can go on to populate it with missing information.**

Timeline for approval: End of June and following the receipt of comments and implementation of changes.

**New Business – SSO/SDO News**

**SSO Updates on Test and Specification Development**

Reports:

**- ACEA: Paul Decker-Brentano**

ACEA update: Presentation is given by Paul Decker-Brentano. LD Oil sequence 2023 release is end of July.

Life expectancy of three test engines that are needed for latest ACEA class could be extended until 2028. Details were given. Additionally, focus is that by the end of the decade only BEV will be available. ACEA has indicated that there are significant gaps to implement so at least postpone the introduction 5 to 6 year. Some of the barriers were presented such as infrastructure and some technologies.

BEV Conflicts was expanded upon indicating ACEA concerns. Power generation is one of the barriers, cost is another concern as well as the uptake of BEVs. Testing and development are sorely lacking. Maintaining current system is very challenging. Some OEMs may leave current working organizations, including ACEA, due to the monumental changes needed and short time expected for implementation. Paul: not sure if it is only EU that has these issues.

Response: North America has even more issues such as very few charging stations for the population count in most areas.

### **-ILSAC: Mike Deegan**

Similar issues in the US as stated by Paul. No major new updates. Will have a report for the next meeting.

### **New Business**

#### **Electric Vehicle Test Update**

#### **Foam-aeration**

Foam and aeration may be real problems in the industry. Asia is reaching out to determine if these concerns are common and whether tests are available. There are two tests being developed, one engine type test and one bench test.

Current tests do not seem to be enough (D892 and D6082). While providing valuable information more testing may be necessary. The RPM or shearing is necessary. However, concerns of having too much shear can be problematic due to the high flow and motion experienced by the oil (cavitation). Any new test to work with the current foam test should combine both foam/aeration and shearing.

#### **CDT and WCT EV Tests**

The good news is that other tests such as the Conductive Deposit Test and Wire Corrosion Test may be done with a collaboration from multiple countries and organizations.

ASTM D15 is working on coolant tests. This group has formed a subcommittee on EV coolants.

### **SAE**

The EV group for J3200 will be reconvening to discuss new items such as grease, coolants and new tests.

### **Closing**

Next Meeting

**ASTM D02 June Colorado –**

**Sheraton Denver Downtown Hotel – Meeting room Governor’s Square 17 (Hybrid)**

**Monday, June 26, 2023**

**9:00 AM Mountain Time (MST): 16:00 UTC**

**Adjournment – Meeting was adjourned at 9:05 am EST**

Name	Organization	SSO/SDO	ATTENDANCE
David Duncan	Lubrizol	ACC	
Colleen Stevens	ACC	ACC	
Jacqueline Berryman	Infineum USA LP	ATC	
Paul Decker-Brentano	Toyota	ACEA Light Duty	x
Peter Schick	Daimler Truck AG	ACEA Heavy Duty	
Nikolay Doroshenko	GazPromNeft	ATIEL	
Paul Nai	Asian Lubricant Manufacturers	ALIA	
Dennis Bachelder	American Petroleum Institute	API	
Jeff Harmening	API	API	
Derek Guinane	BP Global Fuels Technology	ASTM	-
Gregory Miiller	Tannas Co	ASTM D02 Officer	x
Joseph Franklin	Intertek Automotive Research	ASTM D02.B Chair	x
Brent Calcut	TMC Executive	ASTM TMC	x
Sean Moyer	TMC	ASTM TMC	
Marco Digioia	ATIEL	ATIEL	
Felipe Lopes	MOOVE Lubricants	ASTM Brazil	
Eugene Tan	Asian Lubricant Manufacturers	ALIA	
Mike Conroy	Total	CEC	
Philip Reeve	ADLU Consultants	CEC	x
Rattanjit Gill	Energy Institute	EI	
Carol Koopman	ELGI	ELGI	
Barbara Goodrich	John Deere Product Engineering	EMA	
Teri Kowalski	Toyota	IFC	
Mike Kunselman	Center for Quality Assurance	IFC	
Michael Deegan	Ford Motor Company	ILSAC	x
Dean Wingert	Ford Motor Company	ILSAC	
Nathalia Feitosa	Instituto Brasileiro de Petroleo, Gas e Biocombustiveis	IPB	
Satoshi Hirano	Toyota	JAMA	
Kazuo Yamamori	Toyota	JAMA	
Anoop Kumar	Chevron Lubricants	NLGI	
Joe Kaperick	Afton Chemical Corp.	NLGI	
Dr. Deepak Saxena	Indian Oil Corporation Limited	NLGI India	
Dr. SSV Ramakumar	Indian Oil Corporation Limited	NLGI India	
Angela Willis	Willis Advanced Consulting	PCEOCP	x
Hind Abi-Akar		HDEOCP	x
Shawn Whitacre	Chevron	HDEOCP	
Robert Stockwell	Chevron Oronite LLC	SAE TC1	x
Donna Mosher	BASF	SAE TC3	
Astrid Lozano	Standards Council of Canada	SCC	
Lin Shui	SINOPEC Lubricant Company	Sinopec	
Zhao Jie	SAC/TC280	SAC	
Wang Juiyu	SAC/TC280	SAC	
Raj Shah	Koehler Instrument	STLE	

Jill Bramer	US Army TARDEC	US Government	
David Wright	UKLA	UKLA	
Nick Clague	Vickers Oil	UKLA	

**Affiliate - Mailing List Members**

<b>Name</b>	<b>Organization</b>	<b>SSO/SDO</b>	
Laila de Castro Cortas	Iconic Lubrificantes	Affiliate	
Lucas Rossetti	Iconic Lubrificantes	Affiliate	
Ian Mylrea	Stanhope-Seta	ASTM D02 Officer	
Jim Simnick	Independent	ASTM D02 Officer	
Scott Fenwick	National Biodiesel Board	ASTM D02 Officer	
Sarah Gobbi	ASTM Europe	ASTM Europe	
Khaled Zreik	General Motors	ILSAC	x
Alyson Fick	ASTM Headquarters	ASTM D02 Staff Manager	
IFC Group Email	IFC	IFC	
Louis Fredericks	ASTM Europe	ASTM	
Brian Meincke	ASTM Business Development	ASTM	
Jeff Clark	TMC	ASTM TMC	x