

ASTM Engine Oil Gelation Test (EOGT) WK86363 Update

EOFT and EOWTT Surveillance Panel Meeting

June 12, 2025

Yong-Li McFarland, Chair



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

ASTM Antitrust and Recording Policy

ASTM International is a not-for-profit organization and developer of voluntary consensus standards. ASTM's leadership in international standards development is driven by the contributions of its members: more than 30,000 technical experts and business professionals representing 135 countries.

The purpose of antitrust laws is to preserve economic competition in the marketplace by prohibiting, among other things, unreasonable restraints of trade. In ASTM activities, it is important to recognize that participants often represent competitive interests. Antitrust laws require that all competition be open and unrestricted.

It is ASTM's policy, and the policy of each of its committees and subcommittees, to conduct all business and activity in full compliance with international, federal and state antitrust and competition laws. The ASTM Board of Directors has adopted an antitrust policy which is found in Section 19 of ASTM Regulations Governing Technical Committees. All members need to be aware of and compliant with this policy. The Regulations are accessible on the ASTM website <http://www.astm.org/COMMIT/Regs.pdf>.

Electronic recording of ASTM meetings is prohibited.



EOFT and EOWTT Surveillance Panel Membership

22 members

Sarah Fitzgerald, Afton Chemical
Robert Stockwell, Chevron Oronite
Quanchang Li, ExxonMobil
Michael Deegan, Ford
Melissa Chu, Infineum
Angela Willis, Infineum
Joe Franklin, Intertek
Karina Gil, Intertek
Yuliza Rocha, Intertek
Michael Johnscher, ISP
Michael Kunselman, KJA Group

Litchi Xie, Lubrizol Additive (Zhuhai) Co., Ltd.
Victoria Fein, Lubrizol
Jason Bowden, OH Technologies Inc
Clarence McCollum, Richful (Xinxiang Richful)
Greg Miiller, Savant Group
Sean Alston, SGS North America
Jared Cavaliere, SwRI
Becky Grinfield, SwRI
Yong-Li McFarland*, SwRI
John Loop, TMC
Amy Ross, Valvoline

*Chair



ADVANCED SCIENCE. APPLIED TECHNOLOGY.

New EOGT WK86363, ILS# 1854

- Ford request for a new Engine Oil Gelation Test (EOGT): request to add a new test filterability test to better screen oils for field issues
- Status:
 - Method: 1 draft (Afton method V9.6) uploaded on ASTM Collaboration Area
 - Oils: 11 potential reference oils offered; 17 oils received at TMC
 - Screening Tests and ILS: ILS tests ongoing
 - Timing: ILS tests to be run by April, and test available in August 2025

Agenda:

- 1. Pilot II and ILS status
- 2. Timing
- 3. Review EOGT method V9.7
- 4. Video



Pilot II/ILS Updates 6-12-25

- Afton: submitted ILS, data under review
 - SwRI: completed ILS
 - Savant: submitted Pilot II data, and looks good. TMC to send ILS samples.
 - Intertek: completed ILS
 - Valvoline: completed ILS
 - Infineum: started ILS samples, completing testing around July 3
 - Lubrizol: completed ILS
 - Richful: completed Pilot II samples, begin first 4 tests of ILS. If ok to continue, plan to complete ILS by July 3
-
- Infineum has additional feedback on method-received
-
- When send data to stats group? John to send data to stats group for initial comments
 - When issue info letter? Once data from stats group is received
 - Data dictionary and referencing process: criteria data to be reported to TMC, report results to be determined – Jared to work with John on this for next meeting



Draft Timeline – updated May 12, 2025

Draft Timeline	Date													
	5-6 2023	7-8 2023	9-10 2023	11-12 2023	1-2 2024	3-4 2024	5-6 2024	7-8 2024	9-10 2024	11-12 2024	Jan-Feb 2025	Mar-Apr 2025	May-June 2025	Jul-Aug 2025
Develop test procedure and ILS report form	█													
Collect and prepare donated oil samples (17 oils)		█												
Screening samples shipped to labs (6 labs)		█												
Screening labs run 4 tests			█											
Test development (Screening, Proposal tests, Root cause)			█											
Pilot #1									█					
Pilot #2 and #3									█					
ILS samples shipped and labs run tests											█		█	
Data analysis for ILS, generate Research Report (RR) & Precision													█	█
Ballot test procedure and RR														█
Test available for industry use														█

EOGT Procedure updates and video

- Jared to review method with group
 - Please send any feedback to Jared by June 30.YM to send out method to group.
 - John to review TMC wording.

- ASTM EOGT video
 - Section 9
 - Section 10:
 - Section 11: “air fluid interface”, order of add water and check pH in method/wording, does order of clockwise or counterclockwise
 - Section 13



Thank you for your support!

Participants		
Method Development (11)	Oil Donations (9)	Testing Labs (10)
Afton	Afton	Afton
ExxonMobil	Ford	Infineum
Ford	Infineum	Intertek
Infineum	Lubrizol	ISP
Intertek	OH Technologies (donate filters only)	Lubrizol
ISP	Oronite	Richful
Lubrizol	Subaru	Savant
Oronite	TMC (collection, shipping only)	SwRI
Savant	Toyota	TMC (monitoring system only)
SwRI		Valvoline
TMC		

