Sequence III Surveillance Panel Meeting

Teams
Wednesday August 19, 2026 1:00 – 2:30 PM CST

Agenda

1.0) Attendance

2.0) Chairman Comments

3.0) Approval of minutes

Approval of 7/22 minutes
- Approved

4.0) IIIH Action Items

4.1) Fuel Update – Haltermann
- Fuel is supply is good, ~151,000 gallons in stock.

4.2) CPD Update - OHT
- Status good for all currently supplied parts.
- OHT has the new pistons for rebuild testing in inventory. Having a meeting with the piston ring supplier next week. Expect to know the ring delivery date next week

4.3) Hardware Contract Team – Andrew
- No contract update, waiting for the hardware to arrive at the labs.

4.4) IMTS update including machining and parts timing – Sid
- New tooling received at IMTS. Machining cylinder heads & blocks and expect to start shipping parts next week. The first set will go to IAR for prove-out.
- About 95% of the Mopar parts have been received. The remainder of the 100 sets of Mopar parts are expected next week. IMTS will start shipping rebuild kits for engines, bearings, pistons/rings, studs and cylinder heads next week. The Mopar parts kits will ship separately.
- George asked for the build notes for the new engine kits and what is different about the documentation and inspection process. What are the main bearing and rod bearing clearances? The labs need the measurement process and the recommended clearances. Labs need details on bearing clearances and piston-bore clearances. Will asked if the blocks have a build sheet. Is IMTS setting the bearing clearances at 3rd position? Sid said that the cranks will be measured and results will be included with the block. Sid to provide the information to the labs.
- Andrew mentioned that the labs will need new bore gauges.
- Venkat asked about measurements and the assembly manual. The labs will measure the parts and Sid will supply the assembly manual.
- IMTS may supply build sheets for the blocks. Third size bearings. SwRI bought an air gauge to measure bearing clearances.

4.5) Piston and Ring prove out testing discussion - All
- Robert said the labs should run when we have parts.
- Bob added that we are in a critical spot for timing.

- Picture from previous meeting minutes:

4.6) Piston and Ring prove out testing discussion - All

- Andrew explained the following stats group recommended initial prove-out matrix:

The O&H panel discussed running a matrix something like the table below and we wanted to get feedback from Stats group. This would occur after IMTS finishes their own block prove-out at Intertek. (please note the lab letters are just for general discussion, the aren't reflecting the actual lab letters from TMC).

		Piston X						Piston Y					
		Lab A			Lab B			Lab C			Lab D		
Mandetory Tests	Test 1	RO 436	IMTS Block 1	1st Rebuild	RO 434-3	IMTS Block 1	1st Rebuild	RO 436	IMTS Block 1	1st Rebuild	RO 434-3	IMTS Block 1	1st Rebuild
	Test 2	RO 434-3		2nd Rebuild	RO 436		2nd Rebuild	RO 434-3		2nd Rebuild	RO 436		2nd Rebuild
PAUSE TO REVIEW DATA, SEE IF THERE IS OBVIOUS PISTON CHOICE AT THIS TIME OR IF MORE TESTS ARE NEEDED.													
Optional Additional Tests	Test 3	RO 434-3	IMTS Block 2	1st Rebuild	RO 436	IMTS Block 2	1st Rebuild	RO 434-3	IMTS Block 2	1st Rebuild	RO 436	IMTS Block 2	1st Rebuild
	Test 4	RO 436		2nd Rebuild	RO 434-3		2nd Rebuild	RO 436		2nd Rebuild	RO 434-3		2nd Rebuild

- As needed the labs have agreed to run whatever assembly parts they have on site.
- The SP may change the test matrix due to availability of parts. SP determined that it would be better to run the first row with same pistons than wait for the alternate pistons.
- The labs will have a meeting after parts are received to agree on build procedure.
- Surveillance Panel will decide on run order when the parts are available.
- Sid is concerned about timing sets and guides. SwRI has data to show the guides can be used multiple times.

4.6) Other Topics – All

- Motion Pablo: Oil pump splash shields will not be used on the IMTS rebuilt engines. Pat seconded the motion
- Motion passed no negative or waive

5.0) Old Business

5.1) TBD

6.0) New Business

6.1) TBD

7.0) Review / Update Scope and Objectives

8.0) Next Meeting

September 16, 2026

9.0) Meeting Adjourned

ASTM Sequence III Surveillance Panel (19 Voting members) date: 8-19-2026

Name | Email | Signature: RT Stockwell

Present - Voting Members:		Votes:			
___ Jorge Agudelo	jorge.agudelo@bp.com	____	____	____	____
√ Joseph Anthony	Joseph.Anthony@Infineum.com	____	____	____	____
___ Dylan Beck WAS	djb@astmtmc.org	____	____	____	____
√ Jason Bowden	jhbowden@ohtech.com	____	____	____	____
√ Michael Deegan	mdeegan@ford.com	____	____	____	____
√ Seth Demel	samuel.demel@shell.com	____	____	____	____
√ Venkat Deshpande	venkat.deshpande@toyota.com	____	____	____	____
√ Ed Hennessy	ehennessy@jhaltermann.com	____	____	____	____
√ Dan Lanctot	dlanctot@tei-net.com	____	____	____	____
√ Patrick Lang	plang@swri.org	____	____	____	____
√ Dave Passmore	dpassmore@imtsind.com	____	____	____	____
√ Pablo A. Ramirez	pablo.ramirez@intertek.com	____	____	____	____
___ Michael Raney TIM	michael.p.raney@gm.com	____	____	____	____
√ Michael Roguski	michal.roguski@exxonmobil.com	____	____	____	____
√ Andrew Rohlfing	Andrew.Rohlfing@AftonChemical.com	____	____	____	____
√ Amol Sawant	acsawant@valvolineglobal.com	____	____	____	____
√ Robert Stockwell	robert.stockwell@chevron.com	____	____	____	____
√ George Szappanos	george.szappanos@lubrizol.com	____	____	____	____
√ Haiying Tang	haiying.tang@stellantis.com	____	____	____	____

PASS

NO OIL SHIELD

ASTM Sequence III Surveillance Panel (19 Voting members) date:

Name	Email	Signature:

Present - Members:

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___ Andrew Ritchie	andrew.ritchie@infineum.com	
___ Luca Salvi	luca.salvi@exxonmobil.com	

2/14/2025

ASTM Sequence III Surveillance Panel (19 Voting members) date:

Name	Email	Signature:
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___ Justin Wolfe	Justin.Wolfe@lubrizol.com	
___ Yue Zhang	Yue.Zhang@Lubrizol.com	

Other Attendees:

✓ (804) Ayten

✓ William Haines

✓ Bill DeChene