L-42 Surveillance Panel Meeting Minutes

Intertek PSI, Plymouth, MI and Virtual Meeting – Microsoft Teams

November 4, 2026

Attendees:

See B0-03 section attendance log.

Call to Order

Review of Agenda

The meeting agenda is attached.

Approval of Meeting Minutes

Meeting minutes for approval:

- "20260812_SP" → August 12, 2026 – Surveillance Panel Meeting – Plymouth, MI

A motion was made to approve the meeting minutes as presented.
Motion: N. Schaup
Second: T. Muransky
All in favor, no objections, no abstentions.

Action Item Review

Action items from November:

- L-42-1 Development
  - M. Sangpeal to complete L-42-1 procedure draft and distribute via email.
    - Status: Ongoing
- Call for New Reference Oil
  - W. Venhoff to contact both suppliers for updates and more details
    - Status: On-Going

Next-Gen L-42 Test Hardware

- Conf. Call 8.25.26
  - Dana, TMC, lab engineers
  - Gear design complete by End of Sept.
  - Production soon to follow
  - ~2000 forgings somewhere within Dana (unsure of exact location)
  - Test labs to determine quantity of next order in Nov.
- Conf. Call 10.27.26
  - No new updates available, request sent out for info (Z. Heisey)
  - 1800 pinion forgings on-hand, 0 ring forgings
- Unsure if new design will fit within current pinion forgings
- T. Gibson suggested RFQ be sent to Dana to keep process moving

Action Item: M. Sangpeal to request quote for 20 prototype axles from Dana to be equally divided amongst the four test labs.

New Test Axle Batch Order

- Labs were asked when they will run out of the current batch of test hardware:
    - Longest time is 3 years
    - Shortest time is 6 months

Action Item: T. Gibson to investigate potential suppliers for more ring forgings.

L-42-1 Development

- No progress since last meeting.

Action Item: M. Sangpeal to complete first draft and email to panel for review

Call for New Reference Oil

- Supplier A
    - 30 USG received by TMC
    - No more available due to supply chain issues
    - ~1 year supply for reference testing
- Supplier B
    - Old data presented
    - Results are too similar to TMC 117 w/o CF
    - Panel rejected oil as TMC 117 can be re-blended

TMC 117 replacement proposal

Run	Candidate EOT Pinion (%)	Reference Pinion (%)	Candidate EOT Ring (%)	Reference Ring (%)
1	16	23	9	15
2	15		7	
3	16		8	
4	21		13	
5	15		9	
6	19		12	

New/Open Business

- Tight backlash in current batch of test axles was again discussed. Labs can adjust the build to increase backlash if needed. Specs will be tightened for next order

- C. McCollum volunteered to be the Secretary for the L-42 Surveillance Panel meetings going forward.

Adjournment

A motion was made to adjourn.
Motion: M. Sangpeal
Second: R. Warden
All in favor, no objections, no abstentions.

Meeting adjourned.

Respectfully submitted,

Matt Sangpeal
L-42 Surveillance Panel Chairman