

Cummins Surveillance Panel Meeting Minutes

February 4, 2026, 10:00 AM CST

Participants:

Afton – Joe Hoehn
Chevron Oronite –Marnix Torreman, Jo Martinez
Cummins – Phil Shelton, Ryan Denton
Infineum –Todd Dvorak, Andrew Smith
Intertek – Josh Ward, Gregory Dannheim
Lubrizol – Johnathan Bolaney, Robert Slocum, Austin Brininger
SwRI –Bob Warden, Jose Starling
TEI – Dan Lanctot
TMC – Wesley Venhoff

Agenda:

- ISM Hardware Batch Change
- Continue ISBV 6 cSt Discussion
- Continue ISBV Severity Discussion
- Update on ISB ECM's
- AOB

ISM Hardware Batch Change: Most labs are a few months to a few weeks out from needing to bring in the new batch of IAS. It was agreed that an approximate 2-month timeline to conduct coordinated references should be acceptable for most labs. A few labs will verify timing, and an email motion will be sent out with wording for no net/gain loss.

Action Items: Labs to communicate with Josh Ward on expected timing when labs will be available to conduct reference tests on the new batch of ISM IAS. Josh is then to send out a motion (via email) with proper wording and expected starting date for coordinated references for review/approval.

Parts Update: ISM Blocks are still an issue and slowly coming in, but none on hand at TEI. Several blocks on order but nothing on hand yet. May be a possible pinch point.

Continue ISBV 6 cSt Discussion:

No new data presented but a few slides from the “ISB Viscosity LTMS Targets Review” presentation that took place in the August 8th, 2025, SP meeting were shown. Same data set that was used to establish targets on the 12 and 15 cSt parameters was also used to establish the suggested reference oil targets for soot at 6 cSt. Discussion took place on if the parameter and reports need to be added first or do we need to have the 6 cSt targets established first.

Discussion on what impact adding this parameter would have to previous testing or retroactive registration took place. It was agreed that due to the addition of the 6 cSt parameter all candidates would have to be re-reported. After the discussion the following motion took place.

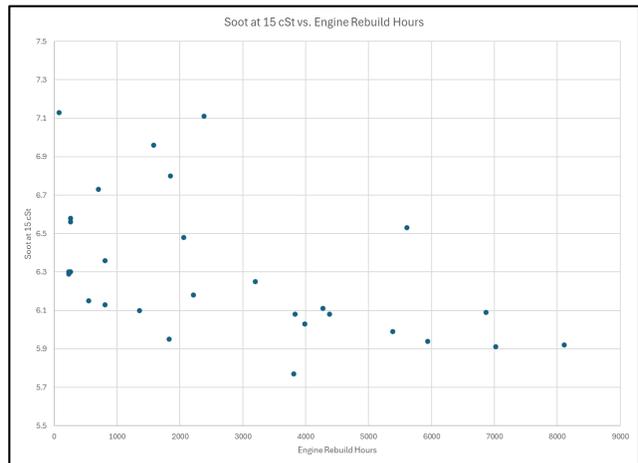
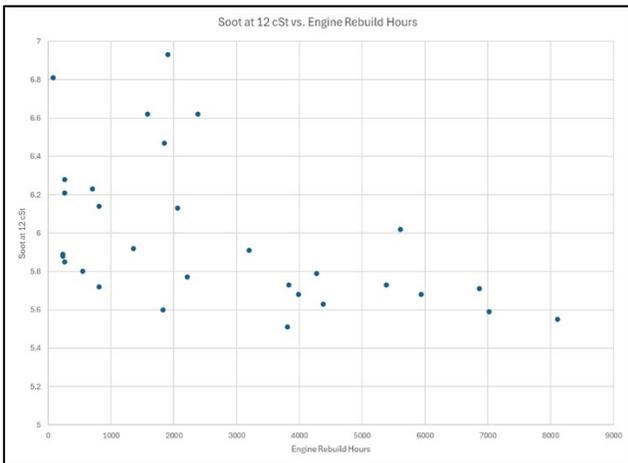
Motion: The panel directs TMC to add the 6 cSt parameter in the ISBV156 and ISBV108 report forms and test procedure. The 6 cSt will be non-critical for referencing as the panel evaluates data. The panel also directs TMC to update the LTMS document to reflect this motion by adding the 6 cSt parameter and panel approved 6 cSt targets shown below at n=11. Labs will then need to resubmit references and candidate data with proper severity adjustments.

		Soot @6 cSt	
Oil	n	mean	s
822-2	11	4.38	0.315
	24	4.25	0.288

		Soot @6 cSt	
Oil	n	mean	s
834	11	4.07	0.219
	24	4.05	0.200

Jose Starling made the motion; Josh Ward second it. No Waives. No company against the motion. Motion carries.

Continue ISBV Severity Discussion: The below engine hours vs results at 12/15 cSt plots were presented. The plots do seem to imply a correlation between engine hours and test severity, however it could also be a factor from something else (time?). Discussion took place on whether engine hours needs a correction factor update. It was also asked if the targets need to be updated. However, it was stated that the targets are only changed if the calculations were wrong. In this case it does not seem the targets were wrong which means perhaps a correction factor may be more appropriate. It was agreed that we should continue to add to this database and labs should verify engine and rebuild hours when resubmitting references to TMC.



The statisticians will reevaluate the impact of engine hours on results once the labs have resubmitted reference tests results which include the newly added 6cSt parameter.

Action Item: Josh Ward to notify the statisticians group once it looks like all this new reference data is available on TMC. Wesley to reach out to labs that might be missing engine block or rebuild hours for reference tests. All labs are to verify that their engine and rebuild hours are listed correctly.

It was also asked when labs started noticing the darker than usual PC9-HS fuel and if it might have had any potential impact on the results. It looks like Q1 2024 was when some of this fuel had been noticed, but no further discussion on potential impact. It was stated that fuel batch code was not in the LTMS.

Action Item: TMC to add fuel batch code to the LTMS.csv file.

Update on ISB ECM's: Process is moving forward and should be able to get ISB ECM's soon. It was stated that ISM ECM's should also be available soon. Phil mentioned that they have the ISM ECM's available and they are trying to figure out how to install the proper calibration file on the ECM but in a manner that only allows access to the required parameters needed to run the test (Calterm parameters). The ECM's will be lab specific and will be sent by order and not generally available at TEI. Orders and necessary information should all go thru TEI and Phil will facilitate the process on his end. However the ECM's will be tightly controlled and if they are housed at TEI, they will likely not be flashed ECM's.

Next Meeting TBD; Meeting adjourned at 11:35 AM