

# Cummins Surveillance Panel Meeting Minutes

November 28, 2023 10:00-11:00 CST

## Participants:

Afton – Joseph Hoehn, Bob Campbell

Chevron Oronite – Marnix Torreman, Josephine Martinez

Cummins – Phil Shelton

ExxonMobil – Steve Jetter

Infineum – Elisa Santos, David Brass

Intertek – Andrew Smith (Chairman)

Lubrizol – Robert Slocum, Jonathan Bolaney, Justin Wolfe

SwRI – Joe Moore, Bob Warden, Jose Starling

TEI – Dan Lanctot

TMC – Sean Moyer

## Agenda:

- ISM low viscosity reference oil discussion

## ISM reference oil:

- Results from both oils were sent out before the meeting for review.
- Supplier E oil is the same fluid accepted as the ISB reference oil. The results shared are from a similar formulation that is expected to perform similarly. It is a 10W-30 oil.
- Supplier G oil is a 5W-16 oil that would be presented as a 5W-20 oil.
- Both tests have a higher average TGA than reference tests so the soot correction factor on both is significant.
- Supplier G oil
  - Lower vis grade as desired
  - Direct test result rather than a similar blend
  - IASW is low, not near borderline.
- Supplier E oil
  - IASW is closer to a borderline pass which would provide better discrimination
  - Would like to see a result from the proposed fluid rather than a similar blend

- Waiting for a result from the supplier E oil would push the timeline back, but it is already being produced for the ISB unlike Supplier G.
  - As the matrix would not start this year, timeline may not be a large consideration.
- Soot correction was brought up, some discussion on adjusting soot windows. Potentially including some different TGA averages in the matrix.
- Run on Supplier E oil should be run similarly to reference oils. Brought up if the supplier G oil should be run at those conditions, raw results of each measurement would mitigate.

**Next Steps:**

- Request that Supplier G provide the raw individual results from the test.
- Request that once the Supplier E oil is available to the TMC, either the supplier or a volunteer to run the fluid under reference conditions.

**Next Meeting:** Likely early January due to holidays.