

July 30<sup>th</sup>, 2020

## Caterpillar Surveillance Panel Teleconference Minutes

### Conference Attendees:

Infineum - Jim Gutzwiller (Chairman), Elisa Santos, David Brass

Caterpillar - Hind Abi-Akar

Intertek - Josh Ward, Hung Nguyen, Martin Chadwick

Haltermann - Prasad Tumati

TMC - Sean Moyer

SwRI - Bob Warden, Travis Kostan, Jose Starling

Afton - Christian Porter

Lubrizol - Alex Ebner

CP Chem - Jonathan VanScoyoc

TEI – Dan Lanctot

### Agenda Items:

- COAT as alternative/replacement test for EOAT
- Alternate Fuel Supplier Discussion

### Discussion:

COAT as alternative/replacement test for EOAT

- API has meeting scheduled for 8/11/20. COAT / EOAT matrix testing is on the agenda to be discussed

Alternate Fuel Supplier Discussion

- Travis Kostan presented “Example of 1N Acceptance Test” criteria for alternate fuel supplier
  - Current proposal is for three tests to be ran on the alternate fuel after a successful calibration test is performed. Two tests would be run on the same reference oil as the calibration test and the third would be run on the other reference oil.
  - Proposed operational limits: Exhaust (+/-7), coolant delta (+/- 0.75), and power (+/-1) must meet within specs. Operational limits still need to be further evaluated and discussed.
  - The use of level 2 Ei alarms as an acceptance requirement was discussed with some concern over the allowable test results that would fall within this range.
  - Acceptance criteria for alternate fuel supplier needs to be discussed further after current test variability issues are discussed.

## 1N Top Groove Variability Issues

- Elisa Santos reviewed 1N Top Groove Variability and showed examples of how the reference oils have diverged in severity
- Review of the data indicated multiple severe tests from Lab D may be influencing the data
- Two options were recommended: using stands only calibrated in the last year or eliminating the stand from lab D from the data set
- Lab D no longer has an active stand and the LTMS data will need to be re-evaluated to exclude the previous severe results from Lab D.

### **Actions:**

- Elisa will revisit data set for stands calibrated in the last year and/or excluding lab D data
- Follow up with information from the API meeting scheduled on 8/11/20 for the COAT/EOAT matrix testing

**Next CAT SP call Scheduled for 08/13/2020 9:00-10:30 AM CST**