

**October 29<sup>th</sup>, 2020**

## **Caterpillar Surveillance Panel Teleconference Minutes**

### **Conference Attendees:**

Infineum - Jim Gutzwiller (Chairman), Elisa Santos, David Brass  
Caterpillar - Hind Abi-Akar, Mark Jarrett  
Intertek - Josh Ward (Secretary), Hung Nguyen, Timothy Griffin  
Haltermann - Prasad Tumati  
TMC - Sean Moyer  
SwRI – Bob Warden, Travis Kostan  
Lubrizol – Alex Ebner, Marco Ledjenac  
TEI - Dan Lanctot  
Chevron – Mark Cooper  
Afton – Christian Porter  
Chevron – Jo Martinez, David Lee  
Daimler – Mesfin Belay

### **Agenda Items:**

- Update on COAT Matrix (COAT as Replacement for the EOAT)
- COAT - Alternate Fuel Supplier Discussion
- COAT - Fresh Oil Stirring

### **Discussion:**

#### **Status of COAT Matrix:**

- API has sent out contracts for the COAT matrix testing
  - One lab has signed and returned the contract, two labs still in process
  - Oils are on-site at the labs ready for testing
  - X2 tests at each lab on oil 1005-5

#### **COAT - Fresh Oil Stirring**

- Alex Ebner presented ICP data showing silicon levels in samples pulled from different levels in the reference oil drum
  - Data was also presented showing ICP silicon after mixing the oil in the drum (see attached presentation)
  - Discussion over best practices on how to mix the oil
  - ICP data from Lubrizol matches well with recent ICP data from the LTMS file
- Photos of the mixer used by Intertek below. One blade is bent to allow for use in closed top drums



- Group agreed that going forward oil will be stirred for 20 minutes prior to any samples or oil charges being pulled from the drum
- Oil needs to be stirred/mixed the same day oil is pulled from the drum
- Only applies to reference oils
- Tim Griffin will put together a draft procedure for the panel to review
- Will continue discussion on next call

#### **COAT - Alternate Fuel Supplier Discussion:**

- Bob Warden presented a draft of the COAT alternate fuel supplier criteria (see attached document)
  - Proposed testing includes a reference test on either reference oil using current fuel supplier followed by two tests using the alternate suppliers fuel
  - The two tests on the alternate supplier PC-10 fuel will consist of one test each on both reference oils
  - No operational parameters determined to be critical for alternate fuel acceptance criteria
  - Draft criteria sent out for review
  - Discussion will continue next call

**Actions:**

- Tim Griffin will put together a draft procedure for stirring/mixing COAT reference oil and send out to panel for review
- Labs will work with API to complete contracts and begin COAT matrix testing
- Panel members will review the draft COAT alternate fuel supplier criteria document

**Next CAT SP Call Scheduled for 11/5/20 9:00AM to 10:30AM CST**