

May 19th, 2022

Caterpillar Surveillance Panel Teleconference Minutes

Conference Attendees:

Infineum - Jacob Goodale (Chairman), Jim Gutzwiller, Elisa Santos, David Brass, Michael Madalian

Caterpillar - Hind Abi-Akar, Mark Jarrett

Intertek - Josh Ward (Secretary), Hung Nguyen, Timothy Griffin

Haltermann - Prasad Tumati

TMC - Sean Moyer

SwRI – Bob Warden,

TEI - Dan Lanctot

Afton – Alex Ebner, Joe Hoehn

Chevron – Jo Martinez, Robert Stockwell

Exxon – Ashley Montufar

Agenda Items:

- Feedback from TMC on paths forward with 832-1
- Current Inventory of Batch A filters at each lab
 - Potential redistribution of hardware
- Batch B Filter introduction
- EOAT Matrix
 - Oil Filter Discussion (Batch A vs Batch B)
 - Timing

Discussion:

832-1 Reference Oil:

- Discussed the process of suspending the use of reference oil 832-1
 - Oil supplier confirmed that they can re-blend oil if requested
 - Current batch could possibly be salvaged by sourcing a high shear mixer, and re-mixing oil. Would need to run prove out testing on oil after high shear mixing was completed. Would need to source equipment or supplier for high shear mixer.
 - General consensus was to temporarily suspend use of 832-1
- Motion by Bob Warden: Temporarily suspend assignment of 832-1 reference oil until surveillance panel reviews options to restore severity of 832-1 oil. Alex Ebner 2nd the motion. Motion passed with no negatives, TMC, TEI, and Exxon Waived

Batch A Filter Inventory and Batch B Introduction:

- Batch A Inventory: Lab A: x4 Lab B: x27 Lab G: x6 TEI: x3
- X10 Batch A filters will need to be retained for COAT – EOAT compatibility testing. Lab B will send x7 filters back to TEI to retain.

- Batch B introduction options were discussed
 - Both coordinated referencing and rolling change brought in with referencing were discussed with consensus that coordinated referencing would likely be needed
 - Number of tests required to be determined
- Lab G new test stand reference testing was discussed at length
- Motion by Tim Griffin: Lab G new test stand reference testing will be run with two tests on 833-1 oil and batch A filters using level 3 LTMS alarms, followed by one test on 833-1 oil and batch B filter using level 2 alarms to determine the new test stand calibration status. Batch B filter approval will be determined by future testing on 833-1 oil and batch B filters to be determined by the surveillance panel. Bob Warden 2nd the motion. Motion passed with no negatives

Actions:

- Schedule engineering group meeting to finalize COAT procedure updates
- Continue work on COAT – EOAT compatibility testing plan
- Continue work on batch B filter introduction test plan and timeline
- Provide C13 operational data from last valid reference test to Travis Kostan at SwRI for alternate fuel supplier data analysis

Next CAT SP Call TBD