

# DD13 Surveillance Panel Teleconference Meeting Minutes

October 12, 2016

12:00 p.m. CST

## Call Participants:

Lubrizol - Patrick Joyce, Kevin O'Malley  
Southwest Research Institute – Jose Starling, Jim McCord  
Intertek - Jacob Goodale, Jim Moritz  
Daimler - Suzanne Neal, Gregory Braziunas  
Infineum - Bob Salgueiro  
Volvo - Greg Shank  
Afton - Cory Koglin  
Exxon Mobil - Bhaskar Prabhakar  
Oronite - Mark Cooper

## Agenda Topics:

- **General procedure status update - Suzanne:** Ballot approved with no negatives received and ASTM number for this procedure (D8074) is pending publication.
- **Parts Update – Mark Sutherland**  
Mark Sutherland was on travel this week and not on the call, this will be covered on the next SP meeting.
- **Fuel Update – Mark Cooper**  
No major update on Fuel from Mark Cooper, it is currently in conversation in the Mack surveillance panel but was diverted at the moment due to other issues. It was discussed that a fuels taskforce would likely need to be organized but nothing official at the moment.
- **TEI Liner Roughness Measurements – Suzanne and Greg**  
TEI sent out a note to the group regarding liners recently that were out of specification. Suzanne to follow up internally on reason why liner roughness measurements are out of print specification. Mark S. to comment in next meeting if these are being screened if out of specification or just reported and being allowed in the kit. Daimler to take discuss this with TEI directly and get back with the SP. Greg stated that any liners out of the print specification should not be used even on current kits and will get with TEI on getting this set up so that liners out of print do not make it into a kit. Liner roughness during development never showed a correlation to scuffing, however it should be within specification.
- **TEI Batch A Kits – Surveillance Panel**  
It was discussed if TEI batch A kits still on hold at TEI should be released for general testing. The SP decided it would be best for TEI to maintain those kits in reserve for any possible need or future comparison (6 – 7 kits).

- **Future Build Oil – Suzanne and Greg**

The Detroit branded 15W-40 oil currently used as the build oil for the test has not changed and no specific date at the moment on when it will change formulation (CJ-4 to similar formulation CK-4). There may be a new Detroit branded oil coming up, but at the moment it is not anticipated that the part number dictated by the procedure will change. Suzanne to continue to update us on this topic as they continue to learn more details.

- **New Business: Intertek Reference and Data Review – Jacob Goodale/SP**

Intertek recently had a few reference tests that did not scuff at the expected time on a new stand with previous candidate test history. Intertek ran a reference test with Oil X (864) which ran out to 200 hours without scuffing.

A second reference test on the same engine and same stand was started using a subsequent blend of Oil X (864-1) and test scuffed at 126 hours. A third reference run was started using a different engine and using Oil C (866) which reached 2 kPa at the 120 hours mark but showed to have scuffed at 31 hours. Operationally nothing was observed out of specification or out of the ordinary which could have led to this issue on multiple tests. The engine was stated to have been used in the precision matrix tests giving it some history with the test. The surveillance panel reviewed these three tests along with recent references tests from the other labs.

Sean Moyer stated that the new and old blend of Oil X showed nearly identical analytical data (ICP, Viscosity and IR).

**Action:** Jacob is to send Kevin O'Malley the hardware data to see if there is a correlation that could be attributed to the two longer runs.

**Next meeting scheduled for November 3<sup>rd</sup> from 12 to 3 PM CST: Topics to include**

- How to proceed with these longer references? Lubrizol to run a reference in the next few weeks to a month.
- Review hardware data from Intertek and Kevin Statistical Data.
- Review and approve changes to wording in current procedure in an information letter and changes necessary to TMC report from.

**Adjournment:** The DD13 Surveillance Panel meeting adjourned at 2:12 p.m. CST.