

**Cummins Surveillance Panel Teleconference
February 11, 2021 10:00 – 11:00 EDT**

Attendance:

Sean Moyer - TMC
Jim Matasic, Kyler Daniel - Lubrizol
Christian Porter, Todd Dvorak - Afton
Bob Warden, Travis Kostan, Jose Starling - SwRI
Andrew Smith - Intertek
Dan Lanctot - TEI
Phil Shelton, Ryan Denton- Cummins
Elisa Santos, David Brass, Jim Gutzwiller - Infineum
Prasad Tumati - Haltermann Solutions
Jon VanScoyoc – CP Chem
Steve Jetter – ExxonMobil
Mike Deegan – Ford
David Lee, Jo Martinez - Oronite

Agenda:

1) Coordinated references for new ISB camshaft, tappet, crosshead and push rod batches

Andrew started the meeting by reminding the panel that the ISB new hardware batches are going to need coordinated references. This camshaft batch has a taper in the higher range of the specification but the variability in the taper has improved across a lobe and between lobes. The lift of each lobe is also more consistent. Dan Lanctot indicated that at their current rejection rates there are approximately 90 kits of camshafts and crossheads. There are 300+ for the pushrods and 200+ for the tappets. He also pointed out that this batch of camshafts has a lot of pitting. The pits are very small but there are a lot of them across the cams.

Andrew presented some measurement data from Keyence and some PDI traces from TEI. (see attached)

Andrew moved on to ask each of the labs to indicate when they would be able to start a coordinated reference test. IAR plans to start a test towards the end of February. Southwest would also be able to participate around the end of February timeframe as well. Afton will also participate but would not be available until sometime in March. Lubrizol will be available to participate in the April timeframe.

The labs will start running tests as they are able and the panel will evaluate the data as it is produced and determine the best path forward.

Andrew asked if Phil Shelton is the contact for any Calterm issues that the labs may have. Phil said that he is the initial contact for Calterm.

Alternate fuel sub-task force has been working on recommendations for alternate fuel acceptance criteria documents. Andrew indicated that the document would be available by the next surveillance panel meeting.

Future meetings will move from Skype to Microsoft Teams.

Meeting adjourned at 10:37 EDT.