

August 31, 2017

Small Group COAT Conference Minutes

Conference Attendees:

Jim Gutzwiller (Chairman) Elisa Santos, Gang Hu – Infineum

Jim Carroll (Secretary), Jim McCord - SwRI

Hind Abi-Akar, Mark Jarrett – Caterpillar

Alex Ebner – Lubrizol

Jim Moritz, Tim Griffin – Intertek

Sean Moyer - TMC

Mark Cooper – Chevron-Oronite

Bob Campbell, Christian Porter - Afton

Alex Ebner – Lubrizol

Barb Goodrich – John Deere

Are all the labs using the same plunger in the oil filter bypass? The older ones were solid, but a new one that Gutzwiller bought have slotted sides. PN 392-9208 has cutouts in the plunger. There are internal shoulders for the spring to push against.

Oil filter housing 2516669 assembled 2516668 is just the housing.

Need internal spring and plunger PNs?

McCord to Mark: Any functional differences:

Mark: I could ask.

Spring forces all match unless you have a different main oil gallery pressure valve. Two types are available.

Moritz: Is there a history on the different spring and valve combinations. Internal rod inside the valve on all valves?

Gutzwiller: I will get a photo of the different types of spring/valve combos.

Jim G showed the clamshell system for controlling the Micromotion sensor temperature from CSI.

We should include all options and recommendations to the surveillance panel.

Alex: Should we put a limit on the RTD temp average plus/minus a degree throughout the test. Do this for each stand. Maybe just for the last 10 hours.

McCord: Iss this in addition to adjusting density based on frequency?

Alex: Either or, since one of the labs is running dead on target now and it could go severe.

Sean: But the goal is to have everyone on the same level when reading density.

Alex: It is another option to add to the list.

Sean: We are already sort of checking now because we are including the RTD temp in the reports.

McCord: Should we send back our system configuration data or will you send out Tim's file for the rest of us to fill out.

Jim G: Send yours to me

Tim: If you add any rows put them at the bottom of the spreadsheet.

Tim: Are we all taking apart the oil filter housing?

Jim G: The two springs and plungers are accessible without taking everything apart. There is a high pressure cold start spring on the back side that you would have to remove the mount to get to.

Moritz: Spin off the capped side and check if the small orifice is there. Page 16 of the procedure. Check the dummy cap has the nipple (with a hole) and orifice in the dummy cap and get the size of the orifice.

Jim G: Pull the springs and valves from the front, check for fretting, and spring tension. My service manual says to check the load when compressed at 3.8" Mark will check for the correct procedure to check the spring load. There was a comment that we could put a plug instead of the left filter bypass.

McCord: You could use the 1/2" plug in there as in the top left. Could have an effect if it leaks.

Jim G: It's something to check. And decide if there are any recommendations. I will add disabling the filter bypass as discussion item.

Next conference Thursday Sept. 7, 1-3 CDT.