

Chain Wear Task Force Conference Call

April 1st, 2015

Attendees:

SWRI – Pat Lang

Intertek - Al Lopez, Jason Soto

Ford – Ron Romano

Afton – Christian Porter, Ed Altman

Lubrizol – George Szappanos

Infineum – Gordon Farnsworth, Ryan Rieth

TEI – Zach Bishop

TMC – Rich Grundza

Haltermann – Mark Overaker

Oronite – Mahboob Hosseini, Kustav Sinha

Action Items:

Current Running Tests:

Afton - currently running low wear oil

SWRI – One test complete, mild result on failing oil. Currently running test on low wear oil in second stand. Getting ready to start next two runs. Will reverse oil assignments on these two stands.

Intertek – 72 hours on low wear oil, starting another run on low oil on separate stand. Will then run high wear oil.

Concern about new chain measurement:

Ron has contacted Borg Warner about supplying a wider gear for the new motor driven chain measurement rig. They can supply a gear. Labs must let Ron know how many gears they need. George will supply print to Borg Warner so they can machine ID to match rig. Price will be \$200 per gear set. Still waiting on data from Borg Warner to determine if there may be differences between chain batches.

Procedure updates:

The wiring diagram for the drive-by-wire throttle control has been added to the procedure.

Blowby spec of 70 Lpm will be added to the procedure.

Break-In speed to be updated to 1750 RPM.

Labs to measure blowby temperature in order to develop a blowby temperature specification. Thermocouple location will also be specified.

Any additional procedural concerns should be sent to Ron and Felt.

New Business:

If any lab has run 0W16 oils on the chain wear test, Ron would like to see the data shared with this group. Rich will ship 5 gallons of the 0W16 oil to each lab for preliminary runs.

All concerned the test is not showing enough discrimination. With the most recent high wear oil having the lowest result, discussion began on how we can increase wear. George Szappanos mentioned several ideas, most agreed increasing test length would be the most practical. Much discussion on oil sampling and test length. Some concerned with oil consumption. All agreed to extend the current runs to 312 hours and continue with normal oil sampling and chain measurement shut downs. An additional shutdown for chain measurement at 216 hours will give direct comparison to all previous data. There will be one additional chain measurement at 288 hours.

Ron considering oil consumption a point in determining test validity.

Next Conference Call scheduled for Thursday, April 9th at 10:00am Eastern.

888-628-3668

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