

Chain Wear Task Force Conference Call

May 6, 2015

Attendees:

SWRI – Felt Mounce

Intertek - Al Lopez, Jason Soto, Bill Buscher

Ford – Ron Romano

Afton – Christian Porter, Ed Altman

Lubrizol – George Szappanos, Michael Conrad, Kevin O'Malley

Infineum – Gordon Farnsworth

TEI – Zach Bishop, Dan Lanctot

TMC – Rich Grundza

Oronite – Robert Stockwell, Joe Martinez

Ashland – Tim Caudill, Amol Savant

OHT – Jason Bowden, Matt Bowden

Haltermann – Mark Overaker

Al Lopez shared Chain Wear performance data on all tests to date. Preliminary indications are the initial 216 hours shows the most discrimination between oils. After the first 216 hours, the chains seem to wear at the same rate for both oils. There are few data points for wear after 216, but unless the tests that are currently running show any difference, the group feels the correct length for the test is 216 hours.

Questions arose about the way the chain is cleaned or treated during intermediate measurements. The labs agreed the procedure should be to only wipe the chain lightly of the test oil, then measure. Once measurement is complete, re-install chain. No need to soak or add test oil to the chain.

Some labs are using a sharp-edged orifice and some using a "JTEC" flowmeter to measure blowby. Amol is concerned there is no documentation that states the JTEC corrects for temperature. Christian Porter will research.

Currently labs are using a specified blowby cooling system, controlling the process water flow through the blowby cooler. There is no set specification on the blowby gas temperature. All labs will supply blowby temperatures and the group will determine a temperature specification. Temperatures reported so far vary about 5 degrees C.

Labs began reporting running data for their tests and there were questions about what how the data should be reported. Currently Rich would like to see all steady state data reported in running order. When reporting data please use designate the Test Number, and whether it's the "Good" oil or the "Poor" oil. Rich will send a template soon.

There are concerns about the method of calibration for the chain measurement tool. George will re-send pictures of the calibration arm and how it's installed. If there are questions, we will discuss in the future.

Next Call: Tuesday, May 12th 11:30am Eastern