

## Ford LSPI Task Force Conference Call – 10/14/15

### **Attendees:**

Ed Altman - Afton  
Kristin Fletcher - Afton  
Brent Calcut - Afton  
Zach Bishop– TEI  
Dan Lanctot - TEI  
David Tsui - BP  
Jim Linden - Toyota  
Jason Bowden - OHT  
Matt Bowden - OHT  
Doyle Boese - Infineum  
Mike McMillan - Infineum  
Ryan Reith - Infineum  
Jordan Smith - Exxon  
Mahboob Hosseini - Chevron  
Robert Stockwell - Chevron  
Jo Martinez - Chevron  
Rich Grundza - TMC  
Pat Lang – SwRI  
Felt Mounce - SwRI  
Chris Taylor – VP Racing Fuels  
Al Lopez - Intertek  
Jason Soto - Intertek  
Ron Romano - Ford  
Amol Savant - Ashland  
Greg Miranda- Lubrizol

### **New Business:**

- SwRI, Intertek, and Lubrizol are currently running a proveout matrix of LSPI tests. Each lab is testing two engines. Intertek and SwRI will run each engine on two different test stands, and Lubrizol will run each engine on one test stand. There will be two high activity oil tests and two low activity oil tests run on each engine/test stand combination, for a total of 16 tests at Intertek, 16 tests at SwRI, and 8 tests at Lubrizol.
- Draft copies of the test procedure and report forms have been forwarded to the LSPI task force distribution list.

### **Questions and Answers:**

Q: What are the viscosities of the low and high activity reference oils?

A: 5W30

Q: Do the low and high activity oils represent currently available oils on the market?

A: Yes

Q: Has a medium activity oil been identified, and what is the viscosity?

A: SwRI and Intertek have both run a proposed medium activity oil. Preliminary results show this oil has fewer LSPI events than the high activity oil. The viscosity of this oil is 0W16.

Q: How many engines will be needed over the life of this test.

A: The total number of engines is not known, but each engine has an estimated life of 500 hours, which equates to about 25 tests.

Q: Will the pass/fail threshold account for engine deterioration?

A: We expect there to be an engine severity adjustment, which will account for LSPI response changes over the life of the engine. We also expect to run a reference test every five tests.

### **New Business:**

- The next task force conference call is scheduled for 10/21 at 2:30 PM EDT.
- Updated Test procedures and Report forms will be distributed before the meeting.
- ASTM New Test Type checklist will be distributed before the meeting for discussion.