

Corrected Minutes from 7/12/2011 Sequence VG Surveillance Panel Conference Call

Attendees:

Gordon Farnsworth, Mike McMillan, Doyle Boese – Infineum

Jo Martinez, Mark Sutherland – Chevron

Rich Grundza - TMC

Bruce Matthews – GM

Ron Romano - Ford

Raham Kirkwood, Bill Buscher – SwRI

Al Lopez – Intertek

Ed Altman, Dave Glaenzer, Christian Porter – Afton

Jerry Brys, George Szappanos – Lubrizol

Mark Overaker, Jim Carter – Haltermann

Tim Miranda – BP Castrol

Clayton Knight – TEI

Jason Bowden, Adam Bowden, Matthew Bowden - OHT

- 1) The minutes from the June 28, 2011 meeting were approved with no additions or corrections. Motion made by Ed Altman and seconded by Jason Bowden.
- 2) Gordon Farnsworth, acting on behalf of Chairman Andy Ritchie who is on vacation, summarized the agenda for today's meeting. The main items to be discussed are the following:
 - a. Review and approve minutes from June 28th call
 - b. Review 925-1 Row 1 VG test data

- c. Next steps for fuel batch evaluation
 - d. Old business
 - e. New Business.
- 3) George Szappanos opened the discussion of Row 1 results by stating that Lubrizol will have an electrical shutdown next weekend so he would like to see the Panel make a decision on whether to begin Row 2 today. Gordon Farnsworth reminded the group that during the last VG Panel meeting the Panel decided only data from the current 4 engines being tested in Row 1 will be included in the fuel approval matrix, and that labs need to indicate in advance if they wish Row 2 data to be considered a calibration run.
- 4) Gordon asked the 3 labs which have completed their runs to discuss their results, which are included in Rich Grundza's spreadsheet, available at the TMC website. See link below:
<ftp://ftp.astmtmc.cmu.edu/refdata/gas/vg/data/>

Southwest Research Institute indicated they had a clean run with no issues. Afton experienced a cracked rocker cover during their run, but it was ~~replaced~~ repaired and otherwise ran without a problem. Intertek indicated their test results were somewhat mild, possibly because the blowby dropped off toward the end of the test. Lubrizol indicated they had not completed their ratings, but that based on visual inspections, it is likely their sludge result will come in about 1 SD severe. Gordon asked whether the Panel was ready to make a decision on whether to start Row 2 testing today, or wanted to wait until the Statistical Group has had a chance to compile a report on the Row 1 results. Doyle Boese indicated the Statistical Group could meet by conference call this Thursday afternoon and could have a report by this Friday. Both Doyle and Jo Martinez indicated that their preliminary analysis of the 3 sets of results reported so far indicate the difference between the results from this fuel batch and those from the previous 2 pilot fuel batches was not statistically significant. Dave Glaenzer raised the concern that the OSC results seem to be quite low for two of the labs, and that we might be setting ourselves up for not being able to discriminate between OSC results on Oils 925-3 and 1006-2. In response to this concern, it was noted that the results on OSC are highly variable, and that OSC results should probably not be the determining factor in acceptance of a fuel batch. Following further discussion, Gordon asked whether there was any objection to making the decision to proceed with Row 2 testing today. It was agreed unanimously by the Panel

members to proceed with Row 2 testing, and not wait for the Row 1 analysis to be completed.

- 5) It was reiterated that, for Row 2 testing, it will be an individual laboratory's decision as to whether to declare a test a calibration test or not. If a lab does decide to declare (in advance) a test to be a calibration test, the data would be included in the calculation of correction factors, and it is possible that the stand might not be granted calibration, depending on the test results.
- 6) It was also agreed that if labs want to run additional stands/engines in parallel with Row 2 testing to gain calibration status, they are free to do so at their own risk. Such data will be evaluated against the targets developed to determine if they meet calibration criteria.
- 7) Doyle asked whether, since we have made the decision to proceed with Row 2, the Statistical Group should wait until Row 2 data are available before doing their analysis. The Panel members agreed that this was a good approach.
- 8) Gordon asked if there was any old or new business. Nothing was brought up.
- 9) The next scheduled call is Tuesday, July 19 at 2:00 pm EDT.