

Minutes from 4/21/2011 Sequence VG Surveillance Panel Conference Call

Attendees:

Andrew Ritchie, Gordon Farnsworth, Mike McMillan, Doyle Boese – Infineum

Jo Martinez – Chevron

Tom Wingfield – ChevronPhillips

Rich Grundza - TMC

Ron Romano – Ford

Raham Kirkwood, Bill Buscher – SwRI

Al Lopez – Intertek

Ed Altman, Bob Campbell, Todd Dvorak, Christian Porter – Afton

Jerry Brys, George Szappanos, Chris Castinean, Alison Rajakumar – Lubrizol

Mark Overaker, Wayne Petersen – Haltermann

Irwin Goldblatt – BP Castrol

Jason Bowden, Mathew Bowden – OHT

Clayton Knight – TEI

- 1) The minutes from the April 19, 2011 conference call were approved with no additions or corrections. Motion made by Jason Bowden and seconded by Ed Altman.
- 2) Chairman Ritchie summarized the agenda for today's meeting. The main items to be discussed are the following:
  - a. Statisticians report : Analysis of 925-3 results with fuel batch ZC1821GP01 and recommendations for next set of test work
  - b. Discussion of date for VG Surveillance Panel meeting in Detroit
  - c. Other New Business

- 3) Doyle Boese presented the report from the Statistical Group on the analysis of the VG data obtained on Oil 925-3 (see attached). Results from the 4 tests conducted on Oil 925-3 with the “adjusted” pilot batch of fuel were compared with those obtained on Oil 925-3 with the “rejected” fuel in the fuel approval matrix conducted earlier this year. The main findings were:
- a. For all parameters, the average of the “adjusted” fuel batch was directionally more severe than that for the “rejected” fuel batch.
  - b. The AES was statistically significantly lower for the “adjusted” fuel batch.
  - c. For each of the parameters, the difference between the target and the adjusted fuel batch results were not statistically significant.

The Statistical Group recommends that:

- d. The next round of testing should consist of one test at each of the participating labs (A, B, D, G) on Oil 1009.
  - e. The early stages of the next fuel approval matrix should be designed to allow inclusion of the results from the two rounds of pilot fuel testing, if the results of the next round of testing on Oil 1009 are found to be near the targets for that oil, and if the results of the pilot blends and final blend are similar.
- 4) Ron Romano made a motion to accept the Statistical Group’s report; Bill Buscher seconded the motion. The motion was approved with 12 affirmative votes, 0 negative votes, and 1 waive.
- 5) Chairman Ritchie went through the sequence of events which will follow. There will not be a VG Panel conference call next week, since the second pilot fuel batch will be being prepared, and the labs will not have begun the next round of testing. A face-to-face VG Panel meeting will be scheduled in conjunction with Sequence IVA and IIIG Panel meetings for June 1-2. The VG Panel meeting will be held the afternoon of June 1. All meetings will be held at the GM R&D Center in Warren, MI. Chairman Ritchie asked the Statistical Group to put together a tentative proposal for a fuel approval matrix, assuming the results on Oil 1009 are favorable. Doyle Boese suggested it might be more efficient to wait until after the 1009 results are obtained before preparing a proposal for the fuel approval matrix, since it should only take a day or two to put such a proposal together. Jo Martinez agreed with Doyle’s assessment of the time required to prepare a matrix proposal. Mark Overaker indicated Haltermann should have the next pilot fuel batch (which will have a new batch number) completed and ready for shipment by the end of next week. If all goes

smoothly, the test labs should be able to complete their VG tests and have the preliminary ratings to TMC by May 16. The data will then be analyzed by the Statistical Group within a day or two, which should then be followed by a VG Panel conference call to discuss the results. Based on this projected timing, Chairman Ritchie asked the Panel members to keep the afternoons of May 17 and 19 open for a possible VG SP conference call.

- 6) Rich Grundza provided an update on the status of securing retains of Oil 925-3 for possible future use. A total of 28 cans were returned to TMC. All were analyzed and 21 of the samples matched very closely with the chemical analyses on file for Oil 925-3. Five of the other cans were found to contain a slight amount of water, and one additional can contained a more significant amount of water. Rich recommended combining the 21 and 5 cans together, and to use those samples for reference testing as required. The Panel members agreed with this suggestion.
- 7) The next conference call will be Tuesday, May 3 at 2:00 pm EST to review the status of the pilot blend preparation, and the status of testing on Oil 1009, if under way.