

Sequence VIII Surveillance Panel
February 27th, 2014 10:00 AM CST
Dial-In Number: (866) 588-1857
Conference code: 2105226802

AGENDA

1.0 Attendance:

Infineum:	Andy Ritchie
GM:	Bruce Matthews
SwRI:	Fred Gerhart
Intertek:	Charlie Leverett, Addison Schweitzer
TMC:	Rich Grundza (Jeff Clark given proxy)
Lubrizol:	George Szappanos
Valvoline:	Timothy Caudill
OHT:	Jason Bowden
TEI:	Zack Bishop, Clayton Knight
Haltermann Solutions:	Tracey King

10 of 14 voting members in participation, quorum achieved.

2.0 Old Business

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| 2.1) Results from Donated Testing using an External Oil Pump | Group |
| 2.2) Discussion of next steps | Group |

In the previous Sequence VIII Surveillance Panel meeting held on February 17th Lab A had completed a successful donated reference test on reference oil 1006-2 and was running reference oil 704-1 that has since then completed. Lab A reported an invalid 704-1 donated reference run to TMC due to mechanical bearing wear that could not be explained. This test on reference oil 704-1 at Lab A did not provide acceptable results for TBWL ($Y_i = 4.267$ severe) which prevented the panel from moving forward with the external oil pump design according to the motion made during the Surveillance Panel Meeting on the 17th. Lab A made the decision to donate a repeat run on reference oil 704-1 using the external pump and provided the results to the Surveillance Panel during today's meeting. The second test on reference oil 704-1 at Lab A completed and was statistically acceptable with no unusual wear patterns noticed on the test bearing halves as seen on the previous test. Due to the unanimous vote for acceptance on the motion presented at the previous Sequence VIII Surveillance Panel Meeting on 2/17/2014, this motion passed with the agreement to have an effective date of 2/27/2014 and the understanding that the use of this external pump and all non-reference testing following

an acceptable calibration shall be run with the external pump configuration (for the motion made on 2/17/2014 refer to the Surveillance Panel Meeting Minutes from 2/17/2014).

Fred Gerhart moved for meeting adjournment.

3.0) Next Meeting

3.1) The next meeting is to be determined.

4.0) Meeting Adjournment

4.1) 10:07 AM CST