

Jeff Clark

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Sent: Wednesday, November 24, 2010 9:19 AM
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Subject: November18th 2010 Mack Surveillance Panel Minutes

November 18th 2010 Mack T-12 Surveillance Panel Call

On call:

Z. Bishop - TEI
A Ritchie/D. Boese - Infineum
J Clark - TMC
B. Campbell - Afton
J. Matasic - LZ
M. Cooper/J. Rutherford - Oronite
G. Shank/K. Goshorn - VolvoMack
J. Moritz/B. Carter - IAR
R. Conti/M. Allesi - ExxonMobil
S. Richards/R Johnson - SwRI
T. Wingfield - ChevronPhillips Chem. (CPC)

T-11

- 1) Fuel Status. CPC analysis of new PC-9 fuel samples from Afton shows it meets PC-9 specs and properties associated with influencing T-11 severity. Data is sufficient to give Afton the go ahead to rerun test which will start in next 2 weeks.
- 2) CP is working with TMC to place documentation of the fuel recipe on file.
- 3) LZ test has finished and appears to be just on mild side of target.
- 4) SwRI, IAR and LZ have calibrated stands. Question what to do with SA's established with the previous fuel? Statisticians should review with new data available and be ready to discuss this on a call the week commencing 11/29.

T-12

- 1) Mack have sent pictures of the connecting rods to Mahle and panel awaits their response. For the "V" connecting rods the boxes are stamped with the date 03/09/10. Date codes on the individuals shells at the labs are 01/10 TOP half and mainly 12/09 BOTTOM half with some 01/10 stamps.
- 2) LZ metrologist feedback is that the rod bearing problem appears to be a 'dimensional issue'. Bearings are too thick to cause failure/fatigue usually caused by a lack of bearing clearance. Surprised cracks went through the steel backs.
- 3) TEI will search for old date code connecting rod bearings. There is no other supplier of rod bearings.
- 4) Concern from a number of members that until the issue with the connecting rod bearings is resolved there is little point in trying to approve the new 'T' rings since we will have to run more calibration tests on hybrid kits.
- 5) Jim Rutherford will look at the recent dataset with the 'T' rings and make recommendations at the next call on 12/1 for how the panel could address the Pb parameter within a conventional or adapted T12 merit calculation.
- 6) Afton requested and panel agreed that a round robin on the T-12 Pb, soot and vis

measurements should be set up. Mark Cooper and TMC will work together to define the details of this.

Next Cummins and Mack call is 12/1/10. Panel Chairs will work together to put an agenda together to accommodate the needs of both panels.