

L-37 Surveillance Panel Teleconference Minutes Thursday 07/17/2008

Attendees:

Dana -
SwRI –
Lubrizol –
Afton -
Park -
TMC -
Miller, Basset, Horvath, Sullivan, Guzikowski, Ottley
Barker
Bartlett, Graziano, Greene, Gropp
Hyguchi
Smith – Joined later in the call
Lind

Non- Lubrited Hardware – Discussion

Bartlett – Confirmed that there are only 9 of the 10 test results on the spreadsheet.
Lind – Action Item → Confirmed that the TMC is still missing the SwRI run data. (151-3 had no broken teeth but failing results).
Hyguchi – Action Item → Still needs to provide photos of broken teeth tests to the TMC for placing on the website as agreed in the July 10, 2008 meeting.
Guzikowski – Reported that he has received Lubrizol and SwRI hardware. They are till looking for Afton’s hardware.
Action Item → All labs to send all hardware from the 10 matrix tests to Joe Guzikowski and address below.
Action item → Afton, Lubrizol, & SwRI, to provide pre test contact pattern photos and EOT photos of ring and pinion Identify with the CMIR number and oil code. Note: CMIR number is found in the column “Testkey”. Electronic copies to be sent email to Guzikowski and Miller. Miller requests that they be sent to his work and private email Kenmil@bellsouth.net since he will be out of the office. (Miller Cell phone 704-252-0118)
Miller – Comments on the hardware: There is not a metallurgical issue. Thru development process we went to extra efforts to further analyze the test pieces and data and compared them to previous hardware matrix runs. (2005 Non-lubrited and 2007 lubrited/reject). The finite elemental analysis for assembly build versus reported stress was checked. It would appear the FEA models of the current material are almost identical. The max stresses compare favorably to the good lot of 2005 non-lubrited. Range boundary is most similar.

New Lubrited Hardware – Discussion

Sullivan – with respect to lubriting process, multiple sets of test panels were sent to Hinkle and Ft. Wayne and still being processed. Custom coatings shows coating weights came in as expected.
Action item → Sullivan to check the Hinkle and Ft. Wayne test panels and complete by the 25th.
Horvath – Reported that Maumee to date has received only 813 gear sets. 160-pieces still due and not received to date.
Action item → Sullivan reported that the 160 pieces will be shipping on Monday, July 21st.

Bartlett – Reported that Lubrizol received their new lubrified hardware this morning and planning to run the two tests on TMC 127 and 155 commencing sometime over the weekend.

Hyguchi – Reported that Afton has not received their hardware, but expect it Friday or Monday, July 21st. They plan to run their two tests on TMC 127 and 155 commencing sometime next week.

Action item → Afton and Lubrizol are to provide pre test contact pattern photos and EOT photos of ring and pinion for the two tests. The Ring, Pinion and Pinion bearing are to be shipped to the attention of Joe Guzikowski at EOT. Copy Ken Miller at both email addresses noted earlier.

Bartlett – Requested that Mr. Ottley send a copy of the assembly tracking spreadsheet for distribution to the labs.

Retrofit Lubrified Hardware – Discussion

Horvath –They are building with one line and have completed about 12 builds to this point in time. Miller and Pappademos have seen and discussed the build pictures. All is looking very good with this build.

Consensus of the group – Because of the broken teeth issues and concerns, it was decided that after 16 axles are assembled that we ship 4 axles to each lab for testing (one TMC 127 and one TMC 155 run) and hold assembly until further notice.

Action Item - All labs provide to TMC and email requesting assignment of TMC 127 and TMC 155 for Retrofit lubrified hardware.

Action item → Afton and Lubrizol are to provide pre test contact pattern photos and EOT photos of ring and pinion for the two tests. The Ring, Pinion and Pinion bearing are to be shipped to the attention of Joe Guzikowski at EOT.

For all ring, pinions, and pinion bearings being shipped to Dana, Send to:

Dana Corporation
Attn: Joe Guzikowski
3939 Technology Drive
Maumee, Ohio 43537

Next teleconference call is for the L-37 Surveillance Panel:

- **Thursday, July 31st, at 10:00 a.m.**
- **Call in info is 608-250-0194, code 324160**

Adjourn at 11:15 a.m.

Donald T. Bartlett, L-37 SP Chairman


7/12/08