

Report of Meeting
L-37/L-37-1 Surveillance Panel Teleconference

November 8th, 2017

Attendees:

US Army -	Comfort , Sattler
SwRI -	Warden
Lubrizol -	Venhoff , Drlja, Bubonic, Slocum, Marsic, <i>Prengaman</i>
Afton -	Donovan , Bell, Kearney, <i>Schwenk</i>
Intertek -	Smith , Trader
TMC -	Parke , Beck
ExxonMobil -	Banas , Kanga
AAM -	Dharte
BASF -	Goyal , Mosher
Dana -	Guzikowski
Gleason -	<i>Dennis, Reardon</i>

Voting Members in **BOLD**

Members joining on the phone in *italics*

The meeting was called to order at 1:30pm EST.

1.0 Gleason Build Procedure

The build procedure used for both Dana and Gleason hardware rebuilds was reviewed and discussed. All seem to agree on the detail

2.0 Gleason “Undefined” Distress

Conversation about the “undefined” distress continued at this meeting as Gleason was in the process of making their final assessment from their metallurgical analysis of a gear set exhibiting this distress. Super-finishing was suggested as a potential option by A. Reardon to eliminate this distress. This is not a popular option now as this process would change the gear set finish and likely require re-validation of the approval matrix. A. Reardon also suggested the distress could be reduced/eliminated with altered conditioning phase running conditions. He also inquired about the chemistries used in the candidate gear oils being tested. The S.P. members informed Gleason that many different chemistries could be used and that all the gear oils tested contain additives. A. Reardon expressed interest in understanding the L-37 gear rating process and W. Venhoff offered to hold this discussion off-line with him and one of Lubrizol’s raters at a later time.

3.0 Housing/Parts for Rebuild

Continued discussion resumed regarding plans for long term sourcing/supply of test carrier housings and the necessary parts needed for rebuild. Currently, the S.P. has agreed that Dana housings can be rebuilt a maximum of three times. E. Donovan asked if this number was arbitrary or based on data. After further discussion, the biggest concern was with the differential case trunnion tolerances and too many instances of installing (and removing) the diff case bearings, causing “loose” fitting bearings potentially leading to spun bearings. Other discussion centered around proper cleaning of diff case assembly parts.

4.0 Gleason Hardware Quote/Order

The new hardware quote from Gleason was briefly discussed. The S.P. agreed to hold off on any new order until there is greater clarity about the “undefined” distress.

5.0 Gleason Lubrited Hardware Matrix

The Gleason lubrited hardware matrix was discussed with (1) TMC134 & (1) TMC152-2 test result from three of the four labs complete. It was agreed that the lubrited matrix would continue, with each lab working to accumulate a total of six results on the three industry reference oils (2xTMC134, 2xTMC155-1, 2xTMC152-2).

6.0 Adjournment

Motion # 1 → R. Warden / 2nd D. Smith to adjourn. Motion to adjourn was passed with a unanimous vote, 9-0-0 (Yes-No-Abstain).

Meeting Adjourned at 3:30pm EST

Respectfully submitted,



Wes Venhoff




L-37/L-37-1 Surveillance Panel Chairman

ASTM L-37/L-37-1 Surveillance Panel Membership / Sign In List
Meeting Date: 11/8/17

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