

Report of Meeting
L-37-1 Surveillance Panel Conference Call
January 9, 2020

Attendees:

SwRI -	
Lubrizol -	Venhoff, Slocum, Drjla
Afton -	Sangpeal,
Intertek -	Smith, Lange
TMC -	Beck
ExxonMobil -	
BASF -	Goyal
Dana -	Zyski
Meritor -	
Army -	
AAM -	
Linamar -	

Voting Members in **BOLD**

The meeting was called to order at 10:00am EST.

Additional modified conditioning data points with deeper Cdepth and std grind (80)

- 134-1 - Standard Conditions w/modified conditioning (SwRI and Afton) - **COMPLETE**
- 152-2 - Canadian Conditions w/modified conditioning (LZ) – **need to run before Feb. LRI**
- 152-2 - Standard Conditions w/modified conditioning (Intertek) - **COMPLETE**

Gleason Hardware Order

Motion #1 → D. Smith 1st /2nd W. Venhoff to approve the case depth of .055 - .065 on the next Gleason hardware. Motion passed unanimously, 6-0-0 (Yes-No-Abstain).

February LRI Topics to Address

- Strange Axles implementation going forward
 - Spool / Open Diff??
- Modified conditions?
 - Should we adopt
 - Both Lubrited and NonLubrited??

Meeting Adjourned at 10:35 am EST

Motion #2 → R. Slocum 1st /2nd W. Venhoff to adjourn. Motion passed unanimously, 6-0-0 (Yes-No-Abstain).

Respectfully submitted,

Robert Slocum
L-37-1 Surveillance Panel Chairman



D02.B0.03

L-37-1 Gleason Hardware Discussion

01/09/2020

10:00 am – 11:00 am

Conference Call



D02.B0.03

- Gleason Quotes have been sent to labs
- Modified Conditioning
 - 60 minutes regular load of 535 Nm
 - 40 minutes double load at 1070 Nm
- No “undefined distress” noted
- Proceed with Cdepth of 55/65????
- Strange Housings implementation??

- Deep Case Depth
- Modified Break-in
- Standard Conditions
- 152-2 Oil
- Strange Housing

We broke 2 gear teeth, looks like it was due to spalling. We believe this is due to a build issue.

Gear Condition	Original Ring Rating		Original Pinion Rating	
Burnish	Med-Bright		Med-Bright	
Discoloration	8		8	
Corrosion	10		10	
Deposits	9		9	
	Original Ring Rating	Original Pinion Rating	Pinion Rating With Exclusion Applied If Applicable	
Wear	8	8	8	
Rippling	9	9	9	
Ridging	9	7	7	
Pitting/Spalling	9.9	9.8	9.8	
Scoring	10	10	10	

	Original Individual Tooth Ratings						
	1	2	3	4	5	6	7
Pitting/Spalling	9.8	9.8	9.8	9.9	9.9	9.9	9.9

LTMSLA	IND	VAL	PINBA	RINGBA	LTMSDAT	WEAR	RIDG	RIPP	SPIT	WEAR	RIDG	RIPP	SPIT	TVERSION
G	152-2	NI	2736808	2736811	20190821	8	9	9	9.7	8	9	9	9.9	CANADIAN
A	152-2	NI	2731178	2731180	20191017	7	8	9	9.9	7	8	9	9.9	CANADIAN
D	152-2	NI	2736810	2736813	20191022	8	9	9	9.9	9	7	10	9.9	CANADIAN
G	134-1	NI	2736808	2736611	20191102	7	7	7	9.9	7	6	9	9.9	CANADIAN
A	134-1	NI	2731178	2731180	20191217	5	4	8	6	5	4	9	9.9	
D	134-1	NI	2736810	2736813	20191219	5	4	9	2	6	5	9	9.9	STANDARD