

Report of Meeting
L-37-1 Surveillance Panel Conference Call
December 5th, 2019

Attendees:

SwRI -	Warden
Lubrizol -	Venhoff, Slocum, Drjla
Afton -	Sangpeal , Bell
Intertek -	Smith , Lange
TMC -	Beck
ExxonMobil -	
BASF -	Goyal
Dana -	Zyski
Meritor -	Rabinowitz , LaBond
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)
- 152-2 - Canadian Conditions w/modified conditioning (LZ)
- 152-2 - Standard Conditions w/modified conditioning (Intertek)

Housings - Strange vs. Dana

- Overall consensus that labs would have option to run either
- How many rebuilds on Strange housing
 - Determined at later date
 - Possibly get opinion from Strange themselves
- Continue serializing housing with current process

Schedule

- I'll set-up Conference call first full week of January

Gleason Quote

- I'll work with Gleason to get quote in process
- Will determine overall case depth from additional modified condition data points from above

Respectfully submitted,

Robert Slocum
L-37-1 Surveillance Panel Chairman



D02.B0.03

L-37-1 Gleason Hardware Discussion

12/5/2019

10:00 am – 11:00 am

Conference Call



D02.B0.03

TMS	IND	VA	PIN	RING	WEA	RID	RII	SPI	WEA	RID	RIP	SPI	Comment
B	152-2	MI	2736809	2736812	8	9	10	9.9	9	9	10	9.9	55/65 Cdepth 80 grit
B	152-2	MI	2736803	2736806	8	9	10	9.9	9	9	10	9.9	120 grit
B	152-2	MI	2736815	2736846	8	9	10	9.9	9	9	10	9.9	55 - 65 Case, 120 Grit
A	152-2	MI	2731181	2731183	7	8	8	9.9	7	8	9	9.9	55 - 65 Case, 120 Grit
B	152-2	MI	2736809	2736812	8	8	9	9.9	9	9	10	9.9	55/65 Cdepth 80 grit
A	152-2	MI	2731176	2731177	7	8	9	9.9	8	9	10	9.9	120 Grit
A	152-2	NI	2731178	2731180	7	8	9	9.9	7	9	9	9.9	55/65 Cdepth 80 grit
B	152-2	MI	2736803	2736806	8	10	10	9.9	8	10	10	9.9	120 grit
B	152-2	NI	2736815	2736846	9	10	10	9.9	9	9	10	9.9	55 - 65 Case, 120 Grit
G	152-2	NI	2736808	2736811	8	9	9	9.7	8	9	9	9.9	Mod. Cond 55/65 Cdepth 80 grit
A	152-2	NI	2731178	2731180	7	8	9	9.9	7	8	9	9.9	Mod. Cond 55/65 Cdepth 80 grit
G	134-1	NI	2736808	2736611	7	7	7	9.9	7	6	9	9.9	Mod. Cond 55/65 Cdepth 80 grit

*Update on lead time. "45 sets per lab would be best for us to hit 6-8 week lead time."



D02.B0.03

	Per lab	Total
Material Blank Purchased	275	1100
2018 NL Batch Processed	55	220
Net		880

Desired Process?
Desired quantities per lab?

Also I have contacted Gleason and the response of quantity of unprocessed material on hand is as follows.
"We have 831 gear and 873 pinion blanks. Lead time would 8 – 10 weeks."

The Gleason Works

Gleason

Total Gear Solutions

QUOTATION

GLEASON QUOTATION No.	VERSION	QUOTE DATE
220030244	2	10/03/2018
INQUIRY REF.		INQUIRY DATE

Sold To: 6284
LUBRIZOL CORPORATION
29400 LAKELAND BLVD.
WICKLIFFE OH 44092-2298
ATTN: Wes Venhoff

Wes Venhoff, we have the pleasure of Quoting as follows

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ITEM No	QUANTITY	DESCRIPTION	UNIT PRICE (USD)	TOTAL (USD)
		End User: LUBRIZOL CORPORATION		
		Contact: Wes Venhoff Phone: 440-347-4879		
0010	275 EA	Gleason Material Nr.: 1803447 ASTM 5.86 Ratio - Material & Blanks 41T GEAR (1806366) & 7T PINION (1806365) MATERIAL & BLANK GLEASON FINISHED SET #1758276 QUOTED: - RAW MATERIAL - BLANKING Delivery: 14 Weeks From receipt of your formal order	295.00	81,125.00
0020	55 EA	Gleason Material Nr.: 1758276 Gear Set, ASTM 5.86(7X41) Ratio 7T Pinion 1758277 41T Gear 1758278 QUOTED: MAKE COMPLETE WITH CUSTOMER PURCHASED MATERIAL & BLANKS Delivery: 9 Weeks From receipt of your formal order	297.00	16,335.00