

Report of Meeting
L-37-1 Surveillance Panel Conference Call
March 11th, 2021

Attendees:

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

Voting Members in **BOLD**

1.0 L-37-1 Number of Reference Oils Discussion

The following are bullet points I gathered during today's call:

- *Question if 3 references oils are still necessary?*
 - *N-size hard to obtain statistical numbers due to 6 combinations*
 - *Should we frontload doing more testing with new hardware??*
 - *Is 155 a heavier gear oil Viscosity(monograde) may be higher than conventional usage today. May not represent candidates currently running?*

- *Wes to Dylan what are the high and lows bands of refence oils*
 - *Target range versus J2360 limits*
 - *Is there a concern if the reference oil falls below J2360 minimums?*
 - *Will still need to maintain Canadian reference oil for new hardware batches*

- *Dale Smith - 134 fail, 155 strong pass, the 152 oils was brought in for Canadian reference. Was used historically as batch approvals and gained traction into referencing*
 - *152/153 fleet oils supposed to be Canadian only*
 - *Never intended to be fully in our matrix of reference oils*
 - *152 close to borderline than 155 (could choose one or the other)*

- *Arjun expressed to keep 152? For new batches of hardware at lower temperature (Canadian) to qualify*

- Anthony showed that 152 and 155 almost identical except ridging on nonlubrited

Average	STD Dev		High Limit	Low Limit	
9	0.8	152-2	Ridg	10.44	7.56
8.3	1.2		Ripp	10.46	6.14
7.6	0.7		Wear	8.86	6.34
9.9	0.1		Spitt	10.08	9.72
9.5	0.5	155-1	Ridg	10.4	8.6
8.6	1.1		Ripp	10.58	6.62
7.5	0.7		Wear	8.76	6.24
9.9	0		Spitt	9.9	9.9

- TMC ok on dropping
 - Would like to see some statistical value of dropping one
 - Dylan why was 152 implemented in the first place?
 - Look at stats between 155/152 to see if useful or not
 - **Industry Stats group currently looking at targets possibly have them do some analysis of any issues dropping one reference oil**
 - Becca Table it until feedback from industry stats group
 - 155-1 enough for about a year. Have time to figure out 155-2 if needed.
 - Does anyone have concerns if 152 is dropped?
 - Possibly keep it for Canadian new hardware approval

Respectfully submitted,

Robert Slocum
L-37-1 Surveillance Panel Chairman