Report Forms Test Method D 7038 L-33-1 Version Conducted For

	V = Valid							
	I = Invalid							
	N = Results Cannot Be Interpreted (See Comment Section)							
		= Non-Reference Test Oil						
	RO =	= Reference Oil Result						
	n	Fest Number						
Motoring Stand:		Storage Box :	Storage Box Run:					
Date Completed:		EOT Time:						
Oil Code:								
Formulation/Stand Code	e:							
Alternate Codes:								
In my opinion this test been conducted in a valid manner in accordance with ASTM Test Method D 7038 and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.								
	Submitted By:	Test	ing Laboratory					
		1030	ing Eurorium					
			Signature					
		Т	yped Name					
			Title					

Section

Test Method D 7038 L-33-1 Form 1 – Test Results

Lab:	Motoring Stand:		Storage Box:		Storage Box Run:	
Start Date: EOT Date:			EOT Time:		Test Length:	
Oil Code:						
TMC Oil Code: Lab		Lab Oil Code:	Lab Oil Code:			Viscosity Grade:
Latest Information Letter Test Was Run Under: Gear Version:						
Pinion Batch: Ring Batch:			Axle C	Cover Rati	ng Tem	plate Serial No.

Rater's	Initial	s (After	r Tesi	t) ·					
Rater's Initials (After Test) : Rust/Corrosion									
	L	ocation	1			WEIGHTING	WEIGHTED		
Differe	ntial (Case:			RUST A	FACTOR	RUST		
1. At I	Pinion	Contac	et			* .087			
2. Diff	f. Gea	r Conta	ct			* .193			
3. Dif	f. Gea	rs (Side	2)			* .094			
4. Axl	e Hsg	. Cover	•			* .169			
5. Dri	ve Ge	ar (Ring	g)			* .079			
6. Dri						* .079			
Bearing	ζ:					•	•		
7. Dri	ve Pir	ion Ro	ller			* .051			
8. Drive Pinion Cups				* .083					
9. Dif	f. Cas	e Rollei	r			* .071			
10. Dif	f. Cas	e Cups				* .094			
						Original Rust, Merit			
						Correction Factor, Merit			
						Severity Adjustment, Merit			
						Final Rust, Merit			
A Rust Lev			5 or 0):					
None	=	10							
Trace	=	9	=		six spots, each less that				
Light	=	8	=	seven(7) or more spots less than 1mm in diameter or, one(1) or more spots greater or equal to 1mm in					
Moderate	=	5	=		diameter with a combined area of all the spots no greater than 1% of the total rated component surface. in excess of above and up to 5% of considered surface				
Heavy	=	0	=		covering more than 5% of considered surface				

Remarks: Note presence, location and amount of additional deposit-stain, sludge, etc.

Test Method D7038 L-33-1

Form 2

Last Reference	Information	& Operational	Validity	Summary

Lab:		Motoring	Stand	•	
Storage Box :		Storage E	Box Rur	1:	
Oil Code :					
Last Reference Oil Calibra	ating Stand Informa	tion - Fill Out	For N	on-reference Oil Tes	ts Only
Motoring Stand:	Storage Box :			orage Box Run:	
Date Completed:		TMC Oil Co	de:		
Gear Version:	Pinion Batch:		Ri	ng Batch:	
	Operator's Initials	<u> </u>			
<u> </u>					
Turning Torques					
Pinion, lbf-in.	Break:		Turn:		
Full Assembly, lbf-in.	Break:		Turn:		
Warm-Up					
Time (h)	Start:		F	Finish:	
Oil Temperature °F	Start:		Finish:		
Motoring Phase					
Time (h)	Start:]	Finish:		
Pinion Speed, r/min	Average: Maxir			Minimum:	
Oil Temperature, °F	Average:	Maximum:		Minimum:	
-	-	-		•	
Storage Phase					
Time (h)	Start :		F	inish:	
Oil Temperature, °F	Average:	Maximum:		Minimum:	

Percent Deviation							
	N	Notoring Phas	e	Storage Phase			
Controlled Parameter	Allowable % Out	This Test % Out	Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s	
Oil Temperature	5			4			

Test Method D 7038 L-33-1 Form 3 Pre Test Rating ^A

Storage Box : Storage Box Run: Oil Code: Match No.: Date: Rated By:
Oil Code:
Match No.: Date: Rated By:
Match No.: Date: Rated By:
Differential Case
Area 1. At Pinion Contact:
Area 1. At Pinion Contact:
Area 2. At Differential Gear Contact:
Area 2. At Differential Gear Contact:
Area 3 Differential Gears (Side Gears):
Area 3. Differential Gears (Side Gears):
Area 4. Axle Housing Cover:
Titeu 4. Titale Housing Cover.
Area 5 Drive Gears (Ring):
Area 5. Drive Gears (Ring):
Area 6. Drive Pinion:
Area 6. Drive Pinion:
Area 7. Drive Pinion Rollers:
Alea /. Drive Pillion Rollers.
Anna O Duiva Dinian Coma
Area 8. Drive Pinion Cups:
Area O. Differential Case Bellers:
Area 9. Differential Case Rollers:
Area 10 Differential Case Cons.
Area 10. Differential Case Cups:

^A After Abrasive Blasting

Test Method D 7038 L-33-1 Form 4 Lost Time and Comments

Lab:			Motoring Stand :			
Storage Box: Oil Code:			Storage Box Run:			
Oil Code:						
Number of	f Downtime C	Occurrences				
Test Hours	Date	Downtime	Reasons			
			Total Downtime (hours)			
			Total Downtime (notis)			
	er Comments					
Number	of Comment	Lines				

Test Method D 7038 L-33-1 Form 4A Lost Time and Comments

Lab:			Motoring Stand :
Storage Box:			Storage Box Run:
Oil Code:			·
Number of l	Downtime Oc	ccurrences	
Test Hours	Date	Downtime	Reasons
			Total Downtime (hours)
			Total Downtime (notils)
Other	Comments		
Number of	Comment Lii	nes	
Ī			

Test Method D 7038 L-33-1 Form 4B Lost Time and Comments

Lab:			Motoring Stand :
Storage Box: Oil Code:			Storage Box Run:
Oil Code:			
on co u c.			
Number of I	Downtime Oc	ccurrences	
Test			
Hours	Date	Downtime	Reasons
110 0115			
			Total Downtime (hours)
			Total Downtime (notis)
Other	Comments		
	Comment L	ines	
1 varioer of	Comment L	mes	