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

	V = Valid				
	I = Invalid				
	N = Results Cannot Be I	nterpreted (See Comment Sect	ion)		
		= 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 the appropriate amendments with this test.	s through the information letter sy	ed in a valid manner in accordance wivestem. The remarks included in this re	th ASTM Test Method D 7038 and eport describe the anomalies associated		
	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 Sta	Storage 1	Box:		Storage	Box Run:
Start Date: EOT Date:			EOT Time:		Test Length:	
Oil Code:						
TMC 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								
Location			WEIGHTING	WEIGHTED				
Differe	Differential 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. Drive Pinion Roller						* .051		
8. Drive Pinion Cups						* .083		
9. Diff. Case Roller						* .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	=		not more than six spots, each less than 1mm in diameter			
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 B	ox Run	:		
Oil Code:							
Last Reference Oil Cal	librating	Stand Information	n - Fill Out Fo	or Non-	reference Oil Tests Only		
Motoring Stand:		Storage Box:		Sto	orage Box Run:		
Date Completed:			TMC Oil Co	de:			
Gear Version:		Pinion Batch:		Rir	ng Batch:		
	I	Operator's Initials:					
Turning Torques							
Pinion, lbf-in.]	Break:			Turn:		
Full Assembly, lbf-in.]	Break :		Turn:			
Warm-Up							
Date/Time	Start:			Finish:			
Oil Temperature °F	Start:			Finish	:		
Motoring Phase							
Date/Time	Start:			Finish			
Pinion Speed, r/min	Average	e:	Maximum:		Minimum:		
Oil Temperature, °F	Average	e:	Maximum:		Minimum:		
Storage Phase							
Date/Time	Start:			Finish:			
Oil Temperature, °F	Average	Maximum:		Minimum:			
			.				
		Perce	ent Deviation				

Percent Deviation						
	Motoring Phase				Storage Ph	ase
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 Pollers					
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 B	ox:		Storage Box Run:			
Storage Bo Oil Code:						
Number of	f Downtime C	Occurrences				
Test Hours	Test 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 various of	Comment L	mes	