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

	V = Valid
	I = Invalid
	N = Results Cannot Be Interpreted (See Comment Section)

	NR = Non-Reference Test Oil
	RO = Reference Oil Result

Test Number			
Motoring Stand:		**Storage Box :**	**Storage Box Run :**
Date Completed:		**EOT Time:**	
Oil Code:			
Formulation/Stand Code:			
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: _____
Testing Laboratory

_____
Signature

_____
Typed Name

_____
Title

_____
Section

Test Method D 7038
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Form 1
Test Result Summary

Oil Test			
Lab	**Motoring Stand**	**Storage Box**	**Storage Box Run**
Start Date	**Date Completed**	**End of Test Time**	**Test Length**
TMC Oil Code	**Laboratory Oil Code**		**Viscosity Grade**
Oil Code:			
Formulation Stand Code:			
Latest Information Letter Test Was Run Under:			
Gear Version:			
Pinion Batch:		**Ring Batch**:	

Last Reference Oil Calibrating Stand Information - Fill Out For Non-reference Oil Tests Only		
Motoring Stand:	**Storage Box :**	**Storage Box Run:**
Date Completed:		**TMC Oil Code:**
Gear Version:	**Pinion Batch:**	**Ring Batch:**

Rust/Corrosion Pass/Fail Parameters			
	Final	**Area 4**	**Lowest of Areas 1-3, 5-10**
Original Merit Results			
Correction Factor [A]			
Severity Adjustments			
Final Merit Results			

[A] At the present time there are no industry correction factors, enter 0.00 .

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Form 2
Rating Summary

Lab:	**Motoring Stand:**
Storage Box:	**Storage Box Run:**
Oil Code:	

Rater's Initials (After Test)			
Rust/Corrosion			
Location			
DIFFERENTIAL CASE:	**RUST [A]**	**WEIGHTING FACTOR**	**WEIGHTED RUST**
1. At Pinion Contact		*** .087**	
2. Diff. Gear Contact		*** .193**	
3. Diff. Gears (Side)		*** .094**	
4. Axle Hsg. Cover		*** .169**	
5. Drive Gear (Ring)		*** .079**	
6. Drive Pinion		*** .079**	
Bearing:			
7. Drive Pinion Roller		*** .051**	
8. Drive Pinion Cups		*** .083**	
9. Diff. Case Roller		*** .071**	
10. Diff. Case Cups		*** .094**	
Final Rust/Corrosion Merit Rating			

[A] Rust Level (Enter 10, 9, 8, 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 diameter with a combined area of all the spots no greater than 1% of the total rated component surface.
Moderate	= 5	=	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.

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Form 3
Operational Validity Summary

Lab:	**Motoring Stand :**
Storage Box :	**Storage Box Run :**
Oil Code :	

Operator's Initials

TURNING TORQUES:		
Pinion, lbf-in.	**Break**	**Turn**
Full Assembly, lbf-in.	**Break**	**Turn**

Warm-Up:		
Time (h)	**Start**	**Finish**
Oil Temperature °F	**Start**	**Finish**

MOTORING PHASE:			
Time (h)	**Start**	**Finish**	
Pinion Speed, r/min	**Avg.**	**Max.**	**Min.**
Oil Temperature, °F	**Avg.**	**Max.**	**Min.**

STORAGE PHASE:			
Time (h)	**Start**	**Finish**	
Oil Temperature, °F	**Avg.**	**Max.**	**Min.**

Percent Deviation						
Controlled Parameter	**Motoring Phase**			**Storage Phase**		
	Allowable % Out	**This Test % Out**	**Actual Time Out min:s**	**Allowable % Out**	**This Test % Out**	**Actual Time Out min:s**
Oil Temperature	**5**			**4**		

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Form 4
Pre Test Rating [A]

Lab:	**Motoring Stand:**
Storage Box :	**Storage Box Run:**
Oil Code:	

Match No.: _____ **Date:** _____ **Rated By:** _____

Differential Case

Area 1. At Pinion Contact: _____

Area 2. At Differential Gear Contact: _____

Area 3. Differential Gears (Side Gears): _____

Area 4. Axle Housing Cover: _____

Area 5. Drive Gears (Ring): _____

Area 6. Drive Pinion: _____

Area 7. Drive Pinion Rollers: _____

Area 8. Drive Pinion Cups: _____

Area 9. Differential Case Rollers: _____

Area 10. Differential Case Cups: _____

[A] After Abrasive Blasting

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Form 5
Lost Time and Comments

Lab:	**Motoring Stand :**
Storage Box:	**Storage Box Run:**
Oil Code:	

Number of Downtime Occurrences				
Test Hours	**Date**	**Downtime**	**Reasons**	
			Total Downtime (hours)	

Other Comments		
Number of Comment Lines		

Test Method D 7038
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Form 5A
Lost Time and Comments

Lab:	**Motoring Stand :**
Storage Box:	**Storage Box Run:**
Oil Code:	

Number of Downtime Occurrences				
Test Hours	**Date**	**Downtime**	**Reasons**	
			Total Downtime (hours)	

Other Comments		
Number of Comment Lines		

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Form 5B
Lost Time and Comments

Lab:	**Motoring Stand :**
Storage Box:	**Storage Box Run:**
Oil Code:	

Number of Downtime Occurrences			
Test Hours	**Date**	**Downtime**	**Reasons**
			Total Downtime (hours)

Other Comments		
Number of Comment Lines		