

Report Forms
L-33
VERSION 20020711

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 Number:	
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 the STP 512A ASTM Test Method 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

**L-33
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	OILCODE		VISCOSITY GRADE
LABORATORY OIL CODE:			
FORMULATION STAND CODE:			
LATEST INFORMATION LETTER TEST WAS RUN UNDER:			
GEAR VERSION:			
PINION BATCH:		RING BATCH:	

Last Reference Oil Calibrating Storage Box Information - Fill Out For Non-reference Oil Tests Only			
MOTORING STAND:	STORAGE BOX #	STORAGE BOX RUN:	TMC OIL CODE:
DATE COMPLETED:	GEAR VERSION:	PINION BATCH:	RING BATCH:

RUST/CORROSION PASS/FAIL PARAMETERS			
	FINAL	AREA 4	Lowest o f Areas 1-3,5-10
Orginal Merit Results			
Correction Factor ^A			
Severity Adjustments			
Final Merit Results			

^AAT THE PRESENT TIME THERE ARE NO INDUSTRY CORRECTION FACTORS, ENTER 0.00 .

**L-33
FORM 2**

RATING SUMMARY

LAB	MOTORING STAND
OIL CODE	STORAGE BOX NO.
	STORAGE BOX RUN NO.

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.

**L-33
FORM 3**

OPERATIONAL VALIDITY SUMMARY

LAB	MOTORING STAND
OIL CODE	STORAGE BOX NO.
	STORAGE BOX RUN NO.

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		

**L-33
FORM 4
PRE TEST RATING^A**

LAB	MOTORING STAND
OIL CODE	STORAGE BOX NO.
	STORAGE BOX RUN NO.

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

