

**L-33
FORM 1**

TEST RESULT SUMMARY

OIL TEST			
LAB CC	MOTORING STAND CCCCC	STORAGE BOX # CCCCC	STORAGE BOX RUN # CCCCC
START DATE YYYYMMDD	DATE COMPLETED YYYYMMDD	END OF TEST TIME HH:MM	TEST LENGTH S1234
TMC OIL CODE CCCCC	OILCODE CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		VISCOSITY GRADE CCCCCC
LABORATORY OIL CODE: CCCCCCCCCCCCCCCCCC			
FORMULATION STAND CODE: CC-CCCCCCCC-C-C-CCCC-CC-CC-CCCC			
LATEST INFORMATION LETTER TEST WAS RUN UNDER: CCCCCC			
GEAR VERSION: CCCCCC			
PINION BATCH: CCCCC		RING BATCH: CCCCC	

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

RUST/CORROSION PASS/FAIL PARAMETERS			
	FINAL	AREA 4	Lowest of Areas 1-3,5-10
Original Merit Results	S12.12	S1	S1
Correction Factor ^A	S1.1234		
Severity Adjustments	S1.1234		
Final Merit Results	S12.12	S1	S1

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

**L-33
FORM 2**

RATING SUMMARY

LAB	CC	MOTORING STAND	CCCCC
OIL CODE	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	STORAGE BOX NO.	CCCCC
		STORAGE BOX RUN NO.	CCCCC

RATER'S INITIALS (AFTER TEST)		CCC	
RUST/CORROSION			
LOCATION			
DIFFERENTIAL CASE:	RUST ^A	WEIGHTING FACTOR	WEIGHTED RUST
1. At Pinion Contact	SI	* .087	SI.12
2. Diff. Gear Contact	SI	* .193	SI.12
3. Diff. Gears (Side)	SI	* .094	SI.12
4. Axle Hsg. Cover	SI	* .169	SI.12
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			<i>SI2.12</i> ^B
^A Rust Level (Enter 10, 9, 8, 5 or 0): None = 10 Trace = 9 = not more than six spots of 1mm in diameter or less Light = 8 = in excess of specifications for Trace rating and up to 1% of considered surface Moderate = 5 = in excess of specification for Light rating and up to 5% of considered surface Heavy = 0 = covering more than 5% of considered surface			
^B Caution: The Final Merit rating for non-reference oil tests are not to be judged against category pass/fail limits.			

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

**L-33
FORM 3**

OPERATIONAL VALIDITY SUMMARY

LAB CC	MOTORING STAND CCCCC
OIL CODE CCC	STORAGE BOX NO. CCCCC
	STORAGE BOX RUN NO. CCCCC

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 CC	MOTORING STAND CCCCC
OIL CODE CCC	STORAGE BOX NO. CCCCC
	STORAGE BOX RUN NO. CCCCC

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