Report Forms
L-33
VERSION *20020503*

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

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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	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 #	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			
Transformed Results [A]			
Correction Factor [A]			
Corrected Transformed Results [A]			
Severity Adjustments [A]			
Final Transformed Results [A]			
Final Merit Results			

[A] AT THE PRESENT TIME THERE ARE NO TRANSFORMATIONS(I.E. MULTIPLY ORIGINAL RESULT * 1.0), NO CORRECTION FACTORS OR SEVERITY ADJUSTMENTS

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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		* .06	
2. Diff. Gear Contact		* .16	
3. Diff. Gears (Side)		* .11	
4. Axle Hsg. Cover		* .34	
5. Drive Gear (Ring)		* .05	
6. Drive Pinion		* .05	
BEARING:			
7. Drive Pinion Roller		* .06	
8. Drive Pinion Cups		* .07	
9. Diff. Case Roller		* .03	
10. Diff. Case Cups		* .07	
Final Rust/Corrosion Merit Rating			[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.

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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
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
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

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FORM 5

LOST TIME AND COMMENTS

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

Number of Downtime Occurrences		
Test Hours	Date	Downtime	Reasons
		Total Downtime

Other Comments		
Number of Comment Lines		