Report Forms L-33 VERSION L33 VERSION 20020614

CONDUCTED FOR

	V = VALID
С	I = INVALID
	N = RESULTS CANNOT BE INTERPRETED (See Comment Section)

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

Test Number							
Motoring StandStorage CCCCCStorage Box #:Storage Box Run Number:CCCCCBox #:CCCCC				ox ber: <i>CCCCC</i>			
Date Completed: YYYYMMDD EOT Time: HH:MM							
Oil Code : CCCCCCCC	cccccccccccccccc	cccccccccc	CCC				
Formulation/Stand Code: CC-CCCCCCCC-C-C-CCCCCC-CC-CC-CCCCCC							
Alternate Codes:	cccccccccccccc	ccccccccc	CCCCCC	cccccccccccccc			

In my opinion this test CCCCCCCGeen 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 Image

Signature

Typed Name

Title

Section

TEST RESULT SUMMARY

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

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

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

 $^{A}\!\mathrm{AT}$ THE PRESENT TIME THERE ARE NO INDUSTRY CORRECTION FACTORS, ENTER 0.00 .

RATING SUMMARY

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

	RUST/CC	ORROSION	
LOCATION			
DIFFERENTIAL CASE:	RUST A	WEIGHTING FACTOR	WEIGHTED RUST
1. At Pinion Contact	<i>S1</i>	* .087	<i>S1.12</i>
2. Diff. Gear Contact	<i>S1</i>	* .193	<i>S1.12</i>
3. Diff. Gears (Side)	<i>S1</i>	* .094	<i>S1.12</i>
4. Axle Hsg. Cover	<i>S1</i>	* .169	<i>S1.12</i>
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			S12.12 ^B
Light=8=in excess ofModerate=5=in excess of	an six spots of 1mm in specifications for Tra specification for Ligl ore than 5% of consid	ace rating and up to 1% of considered such that rating and up to 5% of considered such as the such as	urface rface

^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.

OPERATIONAL VALIDITY SUMMARY

LAB CC	MOTORING STAND CCCCC
OIL CODE CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	C 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								
	MOTORING PHASE			STORAGE PHASE				
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				

PRE TEST RATING

LAB CC		MOTORING STAND	CCCCC
OIL CODE CCCCCCCC	ccccccccccccccccccccccccccccccccccccccc	STORAGE BOX NO.	CCCCC
		STORAGE BOX RUN NO.	CCCCC
Match No.:	Date:	Rated By:	
<u>Differential Case</u>			
Area 1. At Pinion Con	ntact:		
Area 2. At Differentia	al Gear Contact:		
Area 3. Differential G	ears (Side Gears):		
Area 4. Axle Housing	Cover:		
Area 5. Drive Gears (l	Ring):		
	<u> </u>		
Area 6. Drive Pinion:			
Area 7. Drive Pinion	Rollers:		
	Contract		
Area 8. Drive Pinion	Cups:		
-			
Area 9. Differential C	Case Rollers:		
Area 10. Differential	Case Cups:		

A AFTER ABRASIVE BLASTING