

Report Forms  
**L-33**  
**VERSION L33 VERSION 20020711 BETA**

## CONDUCTED FOR

CC

CC

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

<i>CC</i>	NR = Non-Reference Test Oil
	RO = Reference Oil Result

In my opinion this test ~~CCCCCCC~~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.

### *Signature Image*

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**Signature**

CC

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**Typed Name**

CC

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**Title**

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Section

**L-33  
FORM 1**

**TEST RESULT SUMMARY**

<b>OIL TEST</b>			
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
CC			CCCCCC
LABORATORY OIL CODE:	CCCCCCCCCCCCCCCCCCCC		
FORMULATION STAND CODE:	CC-CCCCCCCCCCC-C-C-CCCCC-CC-CC-CCCC		
LATEST INFORMATION LETTER TEST WAS RUN UNDER:	CCCCCC		
GEAR VERSION:	CCCCCC		
PINION BATCH:	CCCCCC	RING BATCH:	CCCCCC

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

<b>RUST/CORROSION PASS/FAIL PARAMETERS</b>			
	FINAL	AREA 4	Lowest o f Areas 1-3,5-10
Orginal Merit Results	S12.12	S1	S1
Correction Factor <sup>A</sup>	S1.1234		
Severity Adjustments	S1.1234		
Final Merit Results	S12.12	S1	S1

<sup>A</sup>AT THE PRESENT TIME THERE ARE NO INDUSTRY CORRECTION FACTORS, ENTER 0.00 .

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**FORM 2**

## RATING SUMMARY

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

RATER'S INITIALS (AFTER TEST)		CCC	
RUST/CORROSION			
LOCATION			
DIFFERENTIAL CASE:	RUST <sup>A</sup>	WEIGHTING FACTOR	WEIGHTED RUST
1. At Pinion Contact	S1	* .087	S1.123
2. Diff. Gear Contact	S1	* .193	S1.123
3. Diff. Gears (Side)	S1	* .094	S1.123
4. Axle Hsg. Cover	S1	* .169	S1.123
5. Drive Gear (Ring)	S1	* .079	S1.123
6. Drive Pinion	S1	* .079	S1.123
<b>BEARING:</b>			
7. Drive Pinion Roller	S1	* .051	S1.123
8. Drive Pinion Cups	S1	* .083	S1.123
9. Diff. Case Roller	S1	* .071	S1.123
10. Diff. Case Cups	S1	* .094	S1.123
Final Rust/Corrosion Merit Rating			S12.12

<sup>A</sup> 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 CC	MOTORING STAND	CCCCC
OIL CODE CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	STORAGE BOX NO.	CCCCC
	STORAGE BOX RUN NO.	CCCCC

OPERATOR'S INITIALS	CCC
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TURNING TORQUES:			
Pinion, lbf-in.	Break	SI234	Turn
Full Assembly, lbf-in.	Break	SI234	Turn

WARM-UP:			
Time (h)	Start	HH:MM	Finish
Oil Temperature °F	Start	SI2.1	Finish

MOTORING PHASE:					
Time (h)	Start	HH:MM	Finish	HH:MM	
Pinion Speed, r/min	Avg.	SI234	Max.	SI234	Min.
Oil Temperature, °F	Avg.	SI2.1	Max.	SI2.1	Min.

STORAGE PHASE:					
Time (h)	Start	HH:MM	Finish	HH:MM	
Oil Temperature, °F	Avg.	SI2.1	Max.	SI2.1	Min.

CONTROLLED PARAMETER	PERCENT DEVIATION			STORAGE PHASE		
	MOTORING PHASE		Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s
OIL TEMPERATURE	Allowable % Out	This Test % Out	Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s
OIL TEMPERATURE	5	S123.1	CCCCCC	4	S123.1	CCCCCC

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FORM 4

## **PRE TEST RATING**

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

**Match No.:** CCCCCC **Date:** YYYYMMDD **Rated By:** CCC

## Differential Case

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FORM 5

## **LOST TIME AND COMMENTS**