

Report Forms
L-33
VERSION 20020711

CONDUCTED FOR

TSTSPON1

TSTSPON2

<i>LABVALID</i>	V = VALID
	I = INVALID
	N = RESULTS CANNOT BE INTERPRETED (See Comment Section)

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

Test Number			
Motoring Stand <i>MSTAND</i>	Storage Box #: <i>SBOXNUM</i>	Storage Box Run Number: <i>SBOXRUN</i>	
Date Completed: <i>DTCOMP</i>		EOT Time: <i>EOTTIME</i>	
Oil Code : <i>OILCODE</i>			
Formulation/Stand Code: <i>FORM</i>			
Alternate Codes:	<i>ALTCODE1</i>	<i>ALTCODE2</i>	<i>ALTCODE3</i>

In my opinion this test *OPVALID* 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: _____ *SUBLAB*
Testing Laboratory

_____ *SUBSIGIM*
Signature

_____ *SUBNAME*
Typed Name

_____ *SUBTITLE*
Title

_____ *SUBSECT*
Section

**L-33
FORM 1**

TEST RESULT SUMMARY

OIL TEST			
LAB	MOTORING STAND	STORAGE BOX #	STORAGE BOX RUN #
LAB	MSTAND	SBOXNUM	SBOXRUN
START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH
DTSTRT	DTCOMP	EOTIME	TESTLEN
TMC OIL CODE	OILCODE		VISCOSITY GRADE
IND	OILCODE		SAE VISC
LABORATORY OIL CODE:		LABOCODE	
FORMULATION STAND CODE:		FORM	
LATEST INFORMATION LETTER TEST WAS RUN UNDER:		INFOLETN	
GEAR VERSION:		GEARVER	
PINION BATCH:		PINBAT	RING BATCH: RINGBAT

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

RUST/CORROSION PASS/FAIL PARAMETERS			
	FINAL	AREA 4	Lowest of Areas 1-3,5-10
Orginal Merit Results	RUST	AREA4	LOWMERIT
Correction Factor ^A	RUSTCF		
Severity Adjustments	RUSTSA		
Final Merit Results	RUSTFNL	AREA4FNL	LOWMFNL

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

**L-33
FORM 2**

RATING SUMMARY

LAB	<i>LAB</i>	MOTORING STAND	<i>MSTAND</i>
OIL CODE	<i>OILCODE</i>	STORAGE BOX NO.	<i>SBOXNUM</i>
		STORAGE BOX RUN NO.	<i>SBOXRUN</i>

RATER'S INITIALS (AFTER TEST)				<i>RINITI</i>
RUST/CORROSION				
LOCATION				
DIFFERENTIAL CASE:	RUST ^A	WEIGHTING FACTOR	WEIGHTED RUST	
1. At Pinion Contact	<i>RCDCPINC</i>	* .087	<i>RCPINWGT</i>	
2. Diff. Gear Contact	<i>RCDCDFGC</i>	* .193	<i>RCGRCWGT</i>	
3. Diff. Gears (Side)	<i>RCDCDFGS</i>	* .094	<i>RCGRSWGT</i>	
4. Axle Hsg. Cover	<i>RCDCAXHC</i>	* .169	<i>RCAXHWGT</i>	
5. Drive Gear (Ring)	<i>RCDCDGR</i>	* .079	<i>RCDGRWGT</i>	
6. Drive Pinion	<i>RCDCDPIN</i>	* .079	<i>RCDPNWGT</i>	
BEARING:				
7. Drive Pinion Roller	<i>RCBDPNR</i>	* .051	<i>RCBPRWGT</i>	
8. Drive Pinion Cups	<i>RCBDPNC</i>	* .083	<i>RCBPCWGT</i>	
9. Diff. Case Roller	<i>RCBDFCR</i>	* .071	<i>RCBCRWGT</i>	
10. Diff. Case Cups	<i>RCBDFCC</i>	* .094	<i>RCBCCWGT</i>	
Final Rust/Corrosion Merit Rating			<i>RUST</i>	
^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. <i>REMK1</i> <i>REMK2</i> <i>REMK3</i> <i>REMK4</i> <i>REMK5</i> <i>REMK6</i>

**L-33
FORM 3**

OPERATIONAL VALIDITY SUMMARY

LAB	LAB	MOTORING STAND	MSTAND
OIL CODE	OILCODE	STORAGE BOX NO.	SBOXNUM
		STORAGE BOX RUN NO.	SBOXRUN

OPERATOR'S INITIALS	<i>OINIT</i>
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TURNING TORQUES:			
Pinion, lbf-in.	Break	<i>TPINBRK</i>	Turn
			<i>TPINTRN</i>
Full Assembly, lbf-in.	Break	<i>TASSBRK</i>	Turn
			<i>TASSTRN</i>

WARM-UP:			
Time (h)	Start	<i>WUTIMEST</i>	Finish
			<i>WUTIMEFN</i>
Oil Temperature °F	Start	<i>WUTEMPST</i>	Finish
			<i>WUTEMPFN</i>

MOTORING PHASE:			
Time (h)	Start	<i>MPTIMEST</i>	Finish
			<i>MPTIMEFN</i>
Pinion Speed, r/min	Avg.	<i>MPPSAVG</i>	Max. <i>MPPSMAX</i>
			<i>MPPSMIN</i>
Oil Temperature, °F	Avg.	<i>MPOTEMPA</i>	Max. <i>MPOTEMPX</i>
			<i>MPOTEMPI</i>

STORAGE PHASE:			
Time (h)	Start	<i>SPTIMEST</i>	Finish
			<i>SPTIMEFN</i>
Oil Temperature, °F	Avg.	<i>SPOTEMPA</i>	Max. <i>SPOTEMPX</i>
			<i>SPOTEMPI</i>

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	TEMPBPOT	ATOBTEMP	4	TEMPOUT	ATOTEMP

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

LAB LAB	MOTORING STAND MSTAND
OIL CODE OILCODE	STORAGE BOX NO. SBOXNUM
	STORAGE BOX RUN NO. SBOXRUN

Match No.: MATCHNO **Date:** RATEDATE **Rated By:** RINIT2

Differential Case

Area 1. At Pinion Contact: RDCPINC1
 RDCPINC2

Area 2. At Differential Gear Contact: RDCDFGC1
 RDCDFGC2
 RDCDFGC3
 RDCDFGC4

Area 3. Differential Gears (Side Gears): RDCDFGS1
 RDCDFGS2

Area 4. Axle Housing Cover: RDCAXHC1
 RDCAXHC2

Area 5. Drive Gears (Ring): RDCDGR1
 RDCDGR2

Area 6. Drive Pinion: RDCDPIN1
 RDCDPIN2

Area 7. Drive Pinion Rollers: RBDPNR1
 RBDPNR2

Area 8. Drive Pinion Cups: RBDPNC1
 RBDPNC2

Area 9. Differential Case Rollers: RBDFCR1
 RBDFCR2

Area 10. Differential Case Cups: RBDFCC1
 RBDFCC2

^A AFTER ABRASIVE BLASTING

