## Report Forms L-33 VERSION 20020503

# CONDUCTED FOR

		V = V	ALID						
		I = INVALID							
		N = RI	ESULT	S CANNOT	BE	INTERPRETEI	O (See Com	ment Section)	
L			1	NR = Non-R	efer	ence Test Oil			
			]	RO = Refere	nce (	Oil Result			
				Tes	t Nu	mber			
Motoring Stand	g		Storag Box #	ge			Storage B Run Num	ox ber:	
Date Co	ompleted:		,			EOT Time:	•		
Oil Cod	e :								
Formula	ation/Stand	Code:							
Alternat	e Codes:								
my opinion propriate amsociated with	endments thr					r in accordance wit remarks included			
ociated with	i uns test.								
		S	UBMIT	TED BY:				Tes	sting Laborato
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Section

#### 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	3:					
FORMULATION STAND CODE:						
LATEST INFORMATION LETTER TEST WAS RUN UNDER:						
GEAR VERSION:						
PINION BATCH:	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 COD	E:	DATE COMPLETED:
GEAR VERSION:		PINION BATCH:		RING BA	TCH:

RUST/CORROSION PASS/FAIL PARAMETERS					
	FINAL	AREA 4	Lowest of 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					

 $^{\rm A}$  THE PRESENT TIME THERE ARE NO TRANSFORMATIONS( I.E. MULTIPLY ORIGINAL RESULT \* 1.0), NO CORRECTION FACTORS OR SEVERITY ADJUSTMENTS

## **RATING SUMMARY**

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

	RUST/CO	ORROSION	
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			В
Light = 8 = in excess of Moderate = 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 sunt rating and up to 5% of considered sur	ırface face

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

	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			

Max.

Avg.

Min.

Oil Temperature, °F

# PRE TEST RATING A

LAB	MOTORING STAND
OIL CODE	STORAGE BOX NO.
	STORAGE BOX RUN NO.
Match No.: Date	e: Rated By:
<u>Differential Case</u>	
Area 1. At Pinion Contact:	
Area 2. At Differential Gear Contact:	
Area 3. Differential Gears (Side Gears):	:
Area 4. Axle Housing Cover:	
Area 6. Drive Pinion:	
Area 7. Drive Pinion Rollers:	
Area 8. Drive Pinion Cups:	
Area 9. Differential Case Rollers:	
Area 10. Differential Case Cups:	

 ${f A}$  AFTER ABRASIVE BLASTING

# LOST TIME AND COMMENTS

LAB			MOTORING STAND			
OIL C	ODE		STORAGE BOX NO.			
			STORAGE BOX RUN NO.			
Number	of Downtin	ne Occurrences				
Test Hours	Date	Downtime	Reasons			
			Total Downtime			
	Other Comm	ents				
Numb	er of Comm	ent Lines				
		'				