

A2. Report Forms
L-42
VERSION L42 VERSION 20020220

CONDUCTED FOR

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

<i>C</i>	V = VALID
	I = INVALID
	N = RESULTS CANNOT BE INTERPRETED (Refer To Comment Section)

Test Number			
Test Stand: CCCCC	Stand Run Number: CCCC		
Date Completed: YYYYMMDD	EOT Time: HH:MM		
Oil Code ^A : CCCCCC			
Formulation/Stand Code:	CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCC		
Alternate Codes:	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC

In my opinion this test CCCCCC 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.

^ACMIR or Non-Reference Oil Code

SUBMITTED BY: _____
Testing Laboratory
Signature Image

Signature

Typed Name

Title

Section

Fig. A2.1 TEST REPORT COVER

L-42

FORM 1

TEST RESULT SUMMARY

TEST LAB	CC
TEST STAND NO.	CCCCC

CCCCCCCCCCCC

TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	OIL CODE NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
							EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4
YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCC	cccccc	CCCCCCCCCCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123

Information Letters Number: CCCCCCC

Formulation / Stand Code: CC-CCCCCCCCC-C-C-CCCCC-CC-CC-CCCCC

STAND REFERENCE OIL TEST HISTORY IN CHRONOLOGICAL ORDER

	TEST DATE STARTED	TEST DATE COMPLETED	END OF TEST TIME	TOTAL TEST MINUTES	STAND RUN NO.	CMIR NO.	TMC OIL NO.	LABORATORY OIL CODE	COAST SIDE % SCORING			COAST SIDE TORQUE (lbf-ft)	
									EOT PINION	EOT RING	SEQ 2 RING	SEQUENCE 2	SEQUENCE 4
^A Discrimination	YYYYMMDD	YYYYMMDD	HH:MM	S12	CCCC	CCCCCC	CCCCCC	CCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123
^B Calibration Sequence Passing Tests Only	YYYYMMDD	YYYYMMDD	HH:MM	S12	cccc	cccccc	cccccc	CCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123
	YYYYMMDD	YYYYMMDD	HH:MM	S12	cccc	cccccc	cccccc	CCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123
	YYYYMMDD	YYYYMMDD	HH:MM	S12	cccc	cccccc	cccccc	CCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123
AVERAGE FOR PASSING REFERENCE OIL TESTS									S12	S12	S12	S1234.123	S1234.123

^A Only for non-reference tests.

^B For non-reference and discrimination tests only.

Fig. A2.2 TEST RESULT SUMMARY

**L-42
FORM 2**

OPERATIONAL SUMMARY

LAB <i>CC</i>	STAND NO. <i>CCCCC</i>				
OIL CODE <i>CCCCCC</i>	STAND RUN NO. <i>CCCC</i>				
GENERAL OPERATION CONDITIONS					
1. GEAR LOADING DATA					
		SEQUENCE 2		SEQUENCE 4	
		Torques lbf-ft	Cycle Time Second	Torques lbf-ft	Cycle Time Second
Drive Side	Maximum	<i>S12345</i>	<i>S12.12</i>	<i>S12345</i>	<i>S12.12</i>
	Minimum	<i>S12345</i>	<i>S12.12</i>	<i>S12345</i>	<i>S12.12</i>
	Average	<i>S12345</i>	<i>S12.12</i>	<i>S12345</i>	<i>S12.12</i>
Coast Side	Maximum	<i>S12345</i>	<i>S12.12</i>	<i>S12345</i>	<i>S12.12</i>
	Minimum	<i>S12345</i>	<i>S12.12</i>	<i>S12345</i>	<i>S12.12</i>
	Average	<i>S1234.123</i>	<i>S12.12</i>	<i>S1234.123</i>	<i>S12.12</i>
2. LUBRICANT TEMPERATURE DATA					
Phase	Specification	Average Value	Minimum Value	Maximum Value	
Sequence 1*	225 ± 5 °F	<i>S1234.1</i>	<i>S12345</i>	<i>S12345</i>	
	Starting		Maximum Value		
	Specification	Value			
Sequence 2	200 ± 5 °F	<i>S12345</i>	<i>S12345</i>		
Sequence 4	< 280 °F	<i>S12345</i>	<i>S12345</i>		
* Values after reaching 225 °F					
3. TEST AXLE DATA					
a. Backlash		Maximum	Minimum	Average	
Initial (in.)		<i>S1.123</i>	<i>S1.123</i>	<i>S1.1234</i>	
Final (in.)		<i>S1.123</i>	<i>S1.123</i>	<i>S1.1234</i>	
Increase (in.)				<i>S1.1234</i>	
b. Initial Pinion Torque (lbf -in)		Break <i>S123.1</i>		Turn <i>S123.1</i>	

RATING DATE YYYYMMDD RATER INITIALS CCC

Fig. A2.3 OPERATIONAL SUMMARY

**L-42
FORM 3**

MEASUREMENT SUMMARY

LAB <i>CC</i>	STAND NO. <i>CCCCC</i>
OIL CODE <i>CCCCCC</i>	STAND RUN NO. <i>CCCC</i>

AXLE CODES			
ASSEMBLY DATE	MATCH NO.	PINION BATCH	RING BATCH
<i>CCCCCCCC</i>	<i>CCCCCCCCCC</i>	<i>CCCCCCCCCC</i>	<i>CCCCCCCCCC</i>

MEASUREMENTS							
DRIVE SIDE CONTACT PATTERN (Length Rating)				COAST SIDE CONTACT PATTERN (Length Rating)			
As Received	<i>CC</i>	As Tested	<i>CC</i>	As Received	<i>CC</i>	As Tested	<i>CC</i>
DRIVE SIDE CONTACT PATTERN (Flank Rating)				COAST SIDE CONTACT PATTERN (Flank Rating)			
As Received	<i>CC</i>	As Tested	<i>CC</i>	As Received	<i>CC</i>	As Tested	<i>CC</i>
OPERATOR INIT		<i>CCC</i>		OPERATOR INIT		<i>CCC</i>	
INITIAL BACKLASH (in.)	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>
FINAL BACKLASH (in.)	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>	<i>S1.123</i>

TEST CONDITIONS				
BREAK-IN PROCEDURES DESIGNATION		<i>S12</i>		
	Sequence 2	Unit of Measure	Sequence 4	Unit of Measure
Acceleration Rate	<i>S123.123</i>	<i>CCCCCC</i>	<i>S123.123</i>	<i>CCCCCC</i>
Deceleration Rate	<i>S123.123</i>	<i>CCCCCC</i>	<i>S123.123</i>	<i>CCCCCC</i>

INSPECTIONS				
	RING % SCORE		PINION % SCORE	
	Drive Side	Coast Side	Drive Side	Coast Side
Break-In	<i>S12</i>	<i>S12</i>		
1st Noise Check	<i>S12</i>	<i>S12</i>		
2nd Noise Check	<i>S12</i>	<i>S12</i>		
Sequence 3	<i>S12</i>	<i>S12</i>		
E.O.T.	<i>S12</i>	<i>S12</i>	<i>S12</i>	<i>S12</i>

Fig. A 2.4 MEASUREMENT SUMMARY

