

**Report Forms
L-42**

Version: L42 VERSION 20030110 BETA
CONDUCTED FOR:

CC
CC

C	V = Valid
	I = Invalid
	N = Results Cannot Be Interpreted (See Comment Section)

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

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

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.

^A Standard or Canadian

Submitted By:

CC

Testing Laboratory

Signature Image

Signature

CC

Typed Name

CC

Title

CC

Section

**L-42
Form 1
Test Result Summary**

Lab: CC	Stand No.: CCCCC
Oil Code: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Stand Run No.: CCCC

CCCCCCCCCCCCCCCC									
Test Date Started	Test Date Completed	End Of Test Time	Total Test Minutes	Laboratory Oil Code	Coast Side % Scoring			Coast Side Torque (lbf-ft)	
					EOT Pinion	EOT Ring	Sequence 2 Ring	Sequence 2	Sequence 4
YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCCCCCCCCCCCCCCCCCC	S12	S12	S12	S1234.123	S1234.123
Latest Information Letter Run Against									
CCCCCCCC									

Stand Reference Oil Test History In Chronological Order													
Discrimination ^A	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
Calibration Sequence Passing Tests Only ^B	YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCC	CCCC	CCCC	CCCCCCCCCCCCCCCC		S12	S12	S12	S1234.123
	YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCC	CCCC	CCCC	CCCCCCCCCCCCCCCC		S12	S12	S12	S1234.123
	YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCC	CCCC	CCCC	CCCCCCCCCCCCCCCC		S12	S12	S12	S1234.123
	YYYYMMDD	YYYYMMDD	HH:MM	S1234	CCCC	CCCC	CCCC	CCCCCCCCCCCCCCCC		S12	S12	S12	S1234.123
Average For Passing Reference Oil Tests										S12	S12	S12	S1234.123

^AOnly for non-reference tests.
^BFor non-reference and discrimination tests only.

**L-42
Form 2
Operational Summary**

Lab: CC	Stand No.: CCCCC
Oil Code: CCC	Stand Run No.: CCCC

Stand Set-up				
Break-in Procedure Designation	S12			
	Sequence 2	Unit of Measure	Sequence 4	Unit of Measure
Acceleration Rate	S123.123	CCCCCC	S123.123	CCCCCC
Deceleration Rate	S123.123	CCCCCC	S123.123	CCCCCC

Gear Loading Data					
		Sequence 2		Sequence 4	
		Torques lbf-ft	Cycle Time Second	Torques lbf-ft	Cycle Time Second
Drive Side	Maximum	S12345	S12.12	S12345	S12.12
	Minimum	S12345	S12.12	S12345	S12.12
	Average	S12345	S12.12	S12345	S12.12
Coast Side	Maximum	S12345	S12.12	S12345	S12.12
	Minimum	S12345	S12.12	S12345	S12.12
	Average	S1234.123	S12.12	S1234.123	S12.12

Lubricant Temperature Data				
Phase	Specification	Average	Minimum	Maximum
Sequence 1 (After reaching 225 °F)	225 ± 5 °F	S1234.1	S12345	S12345
Phase	Specification	Start Value		Maximum
Sequence 2	200 ± 5 °F	S12345		S12345
Sequence 4	< 280 °F	S12345		S12345

**L-42
Form 3
Measurement Summary**

Lab: CC	Stand No.: CCCCC
Oil Code: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Stand Run No.: CCCC

Axle Codes			
Assembly Date	Match No.	Pinion Batch	Ring Batch
CCCCCCCC	CCCCCCCC	CCCCCCCC	CCCCCCCC

Contact Pattern Measurements			
		Drive Side	Coast -Side
Length Rating	As Received	CC	CC
	As Tested	CC	CC
Flank Rating	As Received	CC	CC
	As Tested	CC	CC
Contact Pattern Rater Initials		CCC	

Test Axle Build Data								
Backlash (in.)	Specification	Average	Position Measurements				Minimum	Maximum
			1	2	3	4		
Initial	.004 -.009 in.	S1.1234	S1.123	S1.123	S1.123	S1.123	S1.123	S1.123
Final		S1.1234	S1.123	S1.123	S1.123	S1.123	S1.123	S1.123
Increase		S1.1234	Break			Turn		
Initial Pinion Torque (lbf -in)			S123.1			S123.1		

Inspection	Ring% Scoring		Pinion % Scoring	
	Drive Side	Coast Side	Drive Side	Coast Side
Break-In	S12	S12		
1st Noise Check	S12	S12		
2nd Noise Check	S12	S12		
Sequence 3	S12	S12		
EOT	S12	S12	S12	S12
EOT Rating Date			EOT Rater Initials	
YYYYMMDD			CCC	

