

**TEST METHOD D6121
L-37 Load Evaluation**

VERSION L37 VERSION 20050418 BETA

CONDUCTED FOR:

CC
CC

C	V = Valid
	I = Invalid
	N = Results cannot be interpreted(Refer to comment section)

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

Test Number			
Test Stand: CCCCC		Stand Run Number: CCCC	
Date Completed: YYYYMMDD		Time Completed: HH:MM	
Oil Code: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			
Formulation/Stand Code: CC-CCCCCCCCC-C-C-CCCCC-CC-CC-CCCC			
Alternate Codes:	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC
Test Hardware ^A :	CCCCCCCCC	Test Version ^B :	CCCCCCC

In my opinion this test CCCCCC been conducted in a valid manner in accordance with Test Method D6121 and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

^A Nonlubrited or Lubrited

^B Standard or Canadian

Submitted By: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Testing Laboratory

Signature Image

Signature

CC

Typed Name

CC

Title

CC

Section

TEST METHOD D6121
L-37
Form 1
Test Result Summary Sheet

Oil Test			
Lab: CC	Stand: CCCCC	Stand Run : CCCC	
Start Date: YYYYMMDD	Date Completed: YYYYMMDD	EOT Time: HH:MM	Test Length: HH:MM
TMC Oil Code: CCCCC	Laboratory Oil Code: CCCCCCCCCCCCCCCCCCCCCC	Viscosity Grade: CCCCC	
Oil Code: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			
Formulation Stand Code: CC-CCCCCCCCCC-C-C-CCCCC-CC-CC-CCCCC			
Latest Information Letter Test Was Run Under: CCCCCCC			
Test Hardware: CCCCCCCCCC		Test Version: CCCCCCCC	
Pinion Batch: CCCCCCCC		Ring Batch: CCCCCCCC	

Last Reference Oil Calibrating Stand Information - Fill Out For Non-reference Oil Tests Only			
Stand: CCCCC	Stand Run: CCCC	TMC Oil Code: CCCCC	Date Completed: YYYYMMDD
Pinion Batch: CCCCCCCC		Ring Batch: CCCCCCCC	
Test Hardware: CCCCCCCCCC		Test Version: CCCCCCCC	

	Ring Gear Results				
	Wear	Rippling	Ridging	Pitting/Spalling	Scoring
Original Merit Results ^C	S12	S12	S12	S12.1	S12
Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Correction Factor	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Corrected Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Severity Adjustment ^A	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Final Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Final Merit Results	S12.1	S12.1	S12.1	S12.1	S12.1

	Pinion Gear Results				
	Wear	Rippling	Ridging	Pitting/Spalling	Scoring
Original Merit Results ^{B,C}	S12	S12	S12	S12.1	S12
Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Correction Factor	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Corrected Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Severity Adjustment ^A	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Final Transformed Results	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Final Merit Results	S12.1	S12.1	S12.1	S12.1	S12.1

^A AT THE PRESENT TIME THERE ARE NO SEVERITY ADJUSTMENTS

^B WITH ANY APPLICABLE EXCLUSIONS APPLIED

^C IF TOOTH BREAKAGE OCCURS, LEAVE RESULTS BLANK AND REPORT IN COMMENT SECTION

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Form 3

Operational Summary Sheet

Lab: CC	Stand : CCCCC	Stand Run: CCCC
Oil Code: CCC		Test Version: CCCCCCC

Pinion Torque Checks – Full Axle Assembly		
	Break	Turn
Before Test (lbf-in.)	S12345	S12345
After Test - hot (lbf-in.)	S12345	S12345
After Test - cool (lbf-in.)	S12345	S12345

Back Lash Measurements			
	Maximum	Minimum	Average
Before Test (in.)	S1.123	S1.123	S1.123
After Test (in.)	S1.123	S1.123	S1.123
Difference (in.)			S1.123

General Operating Conditions				
Gear Conditioning Phase:	Start	Finish	Average	Total
1. Time (hh:mm)	HH:MM	HH:MM		HHH:MM
Time (mmmmmm)				CCCCC
	Maximum	Minimum	Average	
2. Gear-lubricant Temperature (°F)	S123.1	S123.1	S123.1	
3. Dyno Torque 1 (lbf-ft)	S123.1	S123.1	S123.1	
Dyno Torque 2 (lbf-ft)	S123.1	S123.1	S123.1	
4. Dyno Speed 1 (r/min)	S123.1	S123.1	S123.1	
Dyno Speed 2 (r/min)	S123.1	S123.1	S123.1	
Gear Testing Phase:				
1. Time (hh:mm)	HH:MM	HH:MM		HHH:MM
Time (mmmmmm)				CCCCC
	Maximum	Minimum	Average	
2. Gear-lubricant Temperature (°F)	S123.1	S123.1	S123.1	
3. Dyno Torque 1 (lbf-ft)	S123.1	S123.1	S123.1	
Dyno Torque 2 (lbf-ft)	S123.1	S123.1	S123.1	
4. Dyno Speed 1 (r/min)	S123.1	S123.1	S123.1	
Dyno Speed 2 (r/min)	S123.1	S123.1	S123.1	

TEST METHOD D6121
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Form 5
Operational Validity Summary

Lab: CC	Stand: CCCCC	Stand Run: CCCC
Oil Code: CCC		
Test Hardware: CCCCCCCCCC	Test Version: CCCCCCCC	

Controlled Parameter	Gear Conditioning			Gear Testing		
	Allowable % Out	This Test % Out	Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s
Gear Oil Temperature	5	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Wheel Speed	5	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Wheel Speed 2	5	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Dyno Load	5	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Dyno Load 2	5	S123.1	CCCCCCC	5	S123.1	CCCCCCC