

**Test Method D5704
(L-60-1)**

Version L601 VERSION 20050418 BETA

Conducted For

CC
CC

C	V = Valid
	I = Invalid
	N = Results Cannot be Interpreted. (Refer To Comment Section)

Test Number			
Test Stand: CCCCC	Stand Run Number: CCCC	CCCC	
Date Completed: YYYYMMDD YYYYMMDD	End Of Test Time: HH:MM	HH:MM	
Oil Code ^A : CCCCC	CC		
Formulation/Stand Code:	CC-CCCCCCCC-C-C-CCCC-CC-CC-CCCC		
Alternate Codes:	CCCCCCCCCCCC	CCCCCCCCCCCC	CCCCCCCCCCCC

<p>In my opinion this test CCCCCC been conducted in a valid manner in accordance with Test Method D5704 and the appropriate amendments through the Information Letter System. The remarks included in this report describe anomalies associated with this test.</p>

^A CMIR or Non-Reference Oil Code

Submitted By:

Testing Laboratory

Signature Image
Signature

Typed Name

Title

Section

**Test Method D5704
(L-60-1)
Form 1**

Reference Test Result Summary Sheet

Lab	Stand		Stand Run
CC	CCCCC		CCCC
Start Date	Date Completed	End Of Test Time	Test Length
YYYYMMDD	YYYYMMDD	HH:MM	S1234
CMIR	TMC Oil Code	Viscosity Grade	Gear Batch
CCCCCC	CCCCCC	CCCCCC	CCCCCCCCCC
Laboratory Oil Code		CCCCCCCCCC	
Latest Information Letter Test Was Run Under		CCCCCC	

	Viscosity Increase (%)	Pentane Insolubles (% wt.)	Toluene Insolubles (% wt.)	Average Carbon/Varnish (merits)	Average Sludge (merits)
Original Results	S123.12	S12.12	S12.12	S12.12	S12.12
Transformed Results	S1.1234	S1.1234	S1.1234	S1.1234	S1.1234
Correction Factor					
Corrected Transformed Result					
Final Transformed Result	S1.1234	S1.1234	S1.1234	S1.1234	S1.1234
Final Original Unit Result	S12345	S12.1	S12.1	S12.1	S12.1

Reference Oil Test

**Test Method D5704
(L-60-1)
Form 2**

Non-Reference Test Result Summary Sheet

Lab	Stand		Stand Run #
CC	CCCCC		CCCC
Start Date	Date Completed	End of Test Time	Test Length
YYYYMMDD	YYYYMMDD	HH:MM	S1234
Oil Code			
CC			
Viscosity Grade	Gear Batch	Laboratory Oil Code	
CCCCCC	CCCCCCCCCC	CCCCCCCCCCCCCCCCCCCC	
Formulation Stand Code		CC-CCCCCCCCC-C-C-CCCCCC-CC-CC-CCCC	
Latest Information Letter Test Was Run Under		CCCCCC	

	Viscosity Increase (%)	Pentane Insolubles (% wt.)	Toluene Insolubles (% wt.)	Average Carbon/Varnish (merits)	Average Sludge (merits)
Original Results	AAAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Transformed Results	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Correction Factor	S1.1234	S1.1234	S1.1234	S1.1234	S1.1234
Corrected Transformed Result	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Severity Adjustment	S1.1234	S1.1234	S1.1234	S1.1234	S1.1234
Final Transformed Result	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Final Original Unit Result	AAAAAA	AAAAA	AAAAA	AAAAA	AAAAA

Non-Reference Oil Test

**Test Method D5704
(L-60-1)
Form 3**

Operational Summary

Lab: CC	Stand: CCCC	Stand Run: CCCC CCCC
Oil Code: CCCCC CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		

OPERATIONS	TOTAL	AVERAGE	MINIMUM	MAXIMUM
Test Length, h	S1234			
Warm-up Time, min	S12			
Air Box Temperature, °F		S123.1	S123.1	S123.1
Average Air Flow, mg/min		S1234.12		
Oil Temperature, °F		S123.1	S123.1	S123.1
Large Gear Speed, r/min		S12345		
Alternator Load, W		S123.1		
MEASUREMENTS				
Catalyst Weight Loss, g	S1.1234			
Catalyst Weight Loss, %	S1.12			
Initial Oil Charge Weight, g	S123.12			
Final Drain Weight, g	S123.12			
Oil Weight Loss, g	S12.12			
Oil Weight Loss, %	S12.12			
Acid Number (Test Method D 664)	S12.12			

TEST TIME, h	VISCOSITY, cSt @ 100°C (D 445)
0	S12.12
50	AAAAAA

**Test Method D5704
(L-60-1)
Form 5**

Gear Rating

Lab: CC	Stand: CCCC	Stand Run: CCCC CCCC
Oil Code: CCCCC CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		Rated By: CCC

Carbon/Varnish:

Large Gear						Small Gear					
Front			Rear			Front			Rear		
%	Rate	Merit	%	Rate	Merit	%	Rate	Merit	%	Rate	Merit
S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12
S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12
S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12
S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12
S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12	S12	S1.12	S1.12
Total		S1.12	Total		S1.12	Total		S1.12	Total		S1.12

Large Gear Average of Carbon/Varnish Only S12.12 AAAAAA

Sludge:

Small Gear Rating for Information Only

Large Gear						Small Gear					
Front			Rear			Front			Rear		
Depth	% Cover	Volume Factor	Depth	% Cover	Volume Factor	Depth	% Cover	Volume Factor	Depth	% Cover	Volume Factor
CL	S12	S1.12	CL	S12	S1.12	CL	S12	S1.12	CL	S12	S1.12
1/4A	S12	S1.12	1/4A	S12	S1.12	1/4A	S12	S1.12	1/4A	S12	S1.12
1/2A	S12	S1.12	1/2A	S12	S1.12	1/2A	S12	S1.12	1/2A	S12	S1.12
3/4A	S12	S1.12	3/4A	S12	S1.12	3/4A	S12	S1.12	3/4A	S12	S1.12
A	S12	S1.12	A	S12	S1.12	A	S12	S1.12	A	S12	S1.12
AB	S12	S1.12	AB	S12	S1.12	AB	S12	S1.12	AB	S12	S1.12
B	S12	S1.12	B	S12	S1.12	B	S12	S1.12	B	S12	S1.12
BC	S12	S1.12	BC	S12	S1.12	BC	S12	S1.12	BC	S12	S1.12
C	S12	S1.12	C	S12	S1.12	C	S12	S1.12	C	S12	S1.12
D	S12	S1.12	D	S12	S1.12	D	S12	S1.12	D	S12	S1.12
Total		S1.12	Total		S1.12	Total		S1.12	Total		S1.12
Merit Rating		S1.12	Merit Rating		S1.12	Merit Rating		S1.12	Merit Rating		S1.12

Four Side Average of Sludge

S12.12 AAAAAA

Large Gear Front – Stamped GA50
Rear – No Markings

Small Gear Front – Stamped GA34
Rear – No Markings

Sludge:

Rate total flat area excluding gear teeth, washer/nut area and 3/4" wide strip area using CRC Manual 20

Varnish/Carbon:

CRC Method – 3/4 in. Wide strip across gear excluding gear teeth and washer/nut area.

CRC Rust/Varnish color intensity factors 10.0 to 1.0

Carbon Rating: merit rating

Trace Carbon: 0.85

Light Carbon: 0.75

Medium Carbon: 0.50

Heavy Carbon: 0.0

**Test Method D5704
(L-60-1)
Form 6**

Operational Validity Summary

Lab: CC	Stand: CCCCC	Stand Run: CCCC CCCC
Oil Code: CCCCC CCC		

Controlled Parameter	Warm-Up			Actual Test		
	Allowable % Out	This Test % Out	Actual Time Out min:s	Allowable % Out	This Test % Out	Actual Time Out min:s
Oil Temperature				5	S123.1	CCCCCCC
Air Flow	10	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Alternator Load	10	S123.1	CCCCCCC	5	S123.1	CCCCCCC
Large Gear Speed	5	S123.1	CCCCCCC	2	S123.1	CCCCCCC