

**Test Method D 5579
(High Temperature Cyclic Durability Test)
Form 1
Test Result**

Lab	Stand	Test Hardware Configuration	Date Completed	Total Test Hours	Stand Run No.
Oil Code:					
No. of Cycles to Unsynchronized Shifts:					
Laboratory Oil Code:					
Reason for Test Termination:			1 = Client request 2 = Unsynchronized shifts (gear clashing) 3 = Unable to maintain test conditions or other (see comments section)		
Test stand and laboratory in accordance with information letters through:					
Formulation / Stand Code:					

Stand Operationally Valid Reference Oil Test History In Chronological Order

Reference Oil Performance	Test Hardware Configuration	Test Date Completed	Total Test Hours	Stand Run No.	CMIR No.	TMC Oil No.	No. of Cycles to Unsynchronized Shifts	Laboratory Oil Code
Low								
High								
High								
High								
High								
High								
Average Cycles For High Reference Oil Tests								

Fig A3.2 Test Result Summary

Test Method D 5579
(High Temperature Cyclic Durability Test)
Form 2
Test Conditions and Measurement Summary

Lab :	Stand:
Oil Code:	Stand Run:

Test Conditions			
Test Length, hours			Warm-up Time, minutes
Parameter	Minimum	Maximum	Average
Tailshaft Speed, r/min			
Oil Sump Temp., °F			
Shift Air Pressure, psi			

Pre-Test Measurements						
Countershaft Number	1A	2A	3A	Spec.	Break	Turn
Final Pre-Load, in.				0.0020 – 0.0060		
Torque, lbf-in. (low range)						

Test Results			
Range Fork No.			
	Left		Right
Pre-Test Pad Hardness, R_c			
Pre-Test Pad Measurement Thickness, in.			
Post-Test Pad Measurement Thickness, in.			
Total Wear, in.			
Average Wear, in.			

	Rear Friction Disc Thickness, in.			
Disc	1	2	3	4
Pre-Test				
Post-Test				
Wear				

	Front Friction Disc Thickness, in.			
Disc	5	6	7	8
Pre-Test				
Post-Test				
Wear				

Fig. A3.3 Test Conditions and Measurement Summary

Test Method D 5579
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Form 4
Shift Graphs

Lab:	Stand:
Oil Code:	Stand Run:

Fig A3.5 Shift Graphs

**Test Method D 5579
(High Temperature Cyclic Durability Test)
Form 5
Shift Time Graphs**

Lab:	Stand:
Oil Code:	Stand Run:

Fig A3.6 Shift Time Graphs