A3. Report Forms
Test Method D 5579
(High Temperature Cyclic Durability Test)

Version
Conducted For:

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

Test Number			
Stand:		**Stand Run:**	
EOT Date:		**EOT Time:**	
Oil Code:			
Formulation/Stand Code:			
Alternate Codes:			

In my opinion this test been conducted in a valid manner in accordance with the Test Method D 5579 and the appropriate amendments through the information letter system. The remarks included in the report describe the anomalies associated with this test.

[A] CMIR or Non-Reference Oil Code

Submitted By: _____

Testing Laboratory

_____

Signature

_____

Typed Name

_____

Title

_____

Section

Fig A3.1 Test Report Cover

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.**		
Final Pre-Load, in.				**0.0020 – 0.0060**	**Break**	**Turn**
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
(High Temperature Cyclic Durability Test)
Downtime and Comments
Form 3

Lab:	**Stand:**
Oil Code:	**Stand Run:**

Test Lost Time:

Record: The time shutdown, time off test conditions, early inspections/termination with reasons and minimum oil temperature in degrees Fahrenheit.

Number of Downtime Occurrences			
Test Hours	**Date**	**Downtime**	**Reasons**
			Total Downtime

Other Comments		
Number of Comment Lines		
Number of Cycle Shift Plots		

Fig. A3.4 Downtime Comments and Summary

Test Method D 5579
(High Temperature Cyclic Durability Test)
Downtime and Comments
Form 3A

Lab:	**Stand:**
Oil Code:	**Stand Run:**

Test Lost Time:

Record: The time shutdown, time off test conditions, early inspections/termination with reasons and minimum oil temperature in degrees Fahrenheit.

Number of Downtime Occurrences			
Test Hours	**Date**	**Downtime**	**Reasons**
			Total Downtime

Other Comments		
Number of Comment Lines		
Number of Cycle Shift Plots		

Fig. A3.4 Downtime Comments and Summary

Test Method D 5579
(High Temperature Cyclic Durability Test)
Downtime and Comments
Form 3B

Lab:	**Stand:**
Oil Code:	**Stand Run:**

Test Lost Time:

Record: The time shutdown, time off test conditions, early inspections/termination with reasons and minimum oil temperature in degrees Fahrenheit.

Number of Downtime Occurrences			
Test Hours	**Date**	**Downtime**	**Reasons**
			Total Downtime

Other Comments		
Number of Comment Lines		
Number of Cycle Shift Plots		

Fig. A3.4 Downtime Comments and Summary

Test Method D 5579
(High Temperature Cyclic Durability Test)
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