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

#### Version Conducted For:

$\mathbf{V} = \mathbf{V}$	Valid
I = Ir	ıvalid
$\mathbf{N} = \mathbf{F}$	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 testbeen conducted in a valid manner in accordance with theTest 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.

<sup>A</sup> 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 Hard	Iware Configuration	Date Completed	Total Test Hours	Stand Run No.
Oil Code	: cles to Unsynch	ronizod Shifts.				
V	ory Oil Code:	Tomzeu Sints.				
	or Test Termina	tion:	1 = Client request 2 = Unsynchronized sh 3 = Unable to maintain	ifts (gear clashing) test conditions or other	r (see comments s	section)
Test stan	d and laborator	y in accordance	with information letters thro	ugh:		,
Formula	tion / Stand Cod	e:		~		

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 Cy		igh Referei	nce Oil Tests	5		

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	Countershaft Number1A2A3ASpec.							
Final Pre-Load, in.	Final Pre-Load, in. 0.0020 – 0.0060							
Torque, lbf-in. (low range)								

Test Results						
Range Fork No.						
		Left	Right			
Pre-Test Pad Hardn	iess, R <sub>c</sub>					
Pre-Test Pad Measu	rement Thickness, in.					
<b>Post-Test Pad Meas</b>	urement Thickness, in.					
Total Wear, in.						
Average Wear, in.						

		Rear Friction Disc Thickness, in.					
Disc	1	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.

N	umber of D	owntime Oco	currences		
Test					
Hours	Date	Downtime		Reasons	
<u> </u>				Total Downtime	

Other Comments			
Number of Comment Lines			
	[	1	
Number of Cycle Shift Plots			

## 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.

Nu	mber of Do	wntime Occ	urrences	
Test				
Hours	Date	Downtime		Reasons
				Total Downtime

Other Comments		
Number of Comment Lines		
Number of Cycle Shift Plots		

## 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.

Nu	mber of D	owntime Oc	currences
Test			
Hours	Date	Downtime	Reasons
			Total Downtime

Other Comments		
Number of Comment Lines		
Number of Cycle Shift Plots		

# Test Method D 5579 (High Temperature Cyclic Durability Test) Form 4 Shift Graphs

Lab:	Stand:
Oil Code:	Stand Run:

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

Lab:	Stand:
Oil Code:	Stand Run: