### 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.

bmitted By:	
	Testing Laboratory
	Signature
	Typed Name
	Title
	Section

Fig A3.1 Test Report Cover

A CMIR or Non-Reference Oil Code

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

					Total	Stand	
				Date	Test	Run	
Lab	Stand	Test Hardwa	re Configuration	Completed	Hours	No.	
Oil Code	Oil Code:						
No. of Cy	No. of Cycles to Unsynchronized Shifts:						
Laborato	Laboratory Oil Code:						
	1 = Client request						
Reason fo	or Test Term	ination:	2 = Unsynchronized sh	ifts (gear clashing)			
	3 = Unable to maintain test conditions or other (see comments section)						
Test stan	Test stand and laboratory in accordance with information letters through:						
Formulat	Formulation / Stand Code:						

#### Stand Operationally Valid Reference Oil Test History In Chronological Order Reference Test **Total** Stand **TMC** No. of Cycles to Oil Hardware **CMIR** Oil Unsynchronized Laboratory **Test Date Test** Run Performance Configuration Completed No. No. **Shifts** Oil Code **Hours** No. 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	1:			
		Test C	Conditions	}			
Test Length, hours			,	Warm-up	Time, minu	ites	
Parameter		Minimu	m	Maxi	mum	Avera	age
Tailshaft Speed, r/min							
Oil Sump Temp., °F							
Shift Air Pressure, psi							
	]	Pre-Test M	<b>Ieasurem</b>	ents			
Countershaft Number	1A	2A	3A		Spec.		
Final Pre-Load, in.				0.00	020 - 0.0060	Break	Turn
	Torque, lbf	f-in. (low ra	ange)				
		Test	Results				
Range Fork No.							
			Left		Right		
Pre-Test Pad Hardness,							
Pre-Test Pad Measurem							
Post-Test Pad Measuren	<u> 1ent Thickne</u>	ess, in.					
Total Wear, in.							
Average Wear, in.							
				on Disc T	hickness, in.		
Disc	1		2		3		4
Pre-Test							
	Post-Test						
W/oor	Woon					1	

Disc	5	6	7	8
Pre-Test				
Post-Test				
Wear				

Front Friction Disc Thickness, in.

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 ]			down, time off test conditions, early inspections/termination mum oil temperature in degrees Fahrenheit.	
Nı		owntime Occ		
Test				
lours	Date	Downtime	Reasons	
•			Total Downtime	
			_	
	Comment			
Numb	er of Comr	nent Lines		
				_
				_
				$\dashv$
				_
				-
				$\dashv$
				-
				T
Num	ber of Cycle	e 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 C	ode:				Stand Run:	
Test I	Lost Time: Record: Tl with reason	he time shutd ns and minim	own, time off test conditi um oil temperature in d	ions, early inspec egrees Fahrenhei	tions/termination	
Nu	mber of Do	owntime Occu	irrences			
Test						
Hours	Date	Downtime		Reasons	S	
		1				
		1				
		1				
		+				
		1		T ( I D	4.	
				Total Down	time	
Other	Comments	2				
	er of Comm					
Tullio	ci di Collin	ient Lines				
N L	er 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:	odo:				Stand: Stand Run:	
					Stand Kun:	
	<u>ost Time:</u> Record: T	he time shut	down, time off test condit	ions, early inspe	ections/termination	
			num oil temperature in d	egrees Fahrenho	eit.	
Nui Test	mber of D	owntime Occ	eurrences			
Hours	Date	Downtime		Reasons	S	
				Total Down	time	
			_			
	Comment			I		
Numbe	er of Com	ment Lines				
Numb	er of Cycl	e 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:

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

Lab:	Stand:
Oil Code:	Stand Run: