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.

Submitted 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

Lab	Stand	Test Hardwar	e Configuration	Date Completed	Total Test Hours	Stand Run No.
·	: vcles to Unsynch ory Oil Code:	ronized Shifts:				
Reason for Test Termination: 1 = Client request 2 = Unsynchronized shifts (gear clashing) 3 = Unable to maintain test conditions or other (see comments section)						section)
Test stand and laboratory in accordance with information letters through:						
Formula	tion / Stand Cod	e:				

Stand Operationally Valid Reference Oil Test History In Chronological Order Total Reference Test Stand **TMC** No. of Cycles to Hardware **CMIR** Oil Unsynchronized Laboratory Oil **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 Ru	ın:
	Test Condit	ions	
Test Length, hours		Warm-up Time, min	nutes
Parameter	Minimum	Maximum	Average
Tailshaft Speed, r/min			
Oil Sump Temp., °F			
Shift Air Pressure, psi			

Pre-Test Measurements							
Countershaft Number	Countershaft Number 1A 2A 3A Spec.						
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 _c					
Pre-Test Pad Measu	rement Thickness, in.					
Post-Test Pad Meas	urement 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]			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
				_
				-
				\exists
				-
				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	Code:				Stand Run:	
	with reason	ns and minim	own, time off test condit um oil temperature in d	ions, early inspec egrees Fahrenhei	tions/termination t.	
	mber of Do	owntime Occi	ırrences			
Test	_					
Hours	Date	Downtime		Reasons	S	
				Total Down	time	
041	<u> </u>		I			
	Comments					
Numb	er of Comn	nent Lines				
Numb	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			T		
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: