

**Test Method D 5662
Oil Seal Compatibility Test**

Version

Conducted For

	I = Invalid
	V =Valid

Elastomer Type	Bath Number	Date Completed	EOT Time
Fluoroelastomer			
Polyacrylate			
Nitrile			
	Oilcode		CMIR
Fluoroelastomer			
Polyacrylate			
Nitrile			
Alternate Codes:			

<p>In my opinion this test _____ been conducted in a manner in accordance with the Test Method D 5662 and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.</p>

Submitted By: _____

Testing Laboratory

Signature

Typed Name

Title

**Test Method D 5662
Oil Seal Compatibility Test
Form 1
Fluoroelastomer Test Results**

Lab	Bath	Start Date	Date Completed	EOT Time	Test Length

Test Oil Temperature-°C		
Average	Minimum	Maximum

Elastomer Batch Identification		
Code	Production Date	Type

Initial Elastomer Properties From Laboratory															From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.		
Elongation (%)																
Hardness (SH)	Reference															
	Non-Ref.															
Volume (g)	Reference															A
	Non-Ref.															

Reference Oil Test Results				
CMIR:			TMC Oil Code:	
Laboratory Oil Code:			Viscosity Grade:	
	Tube No. ^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

Non-Reference Oil Test Results				
Oil Code:				
Laboratory Oil Code:			Viscosity Grade:	
	Tube No. ^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

^A Manufacturer reports specific gravity instead of g ^B Each Tube contains 3 coupons & 3 dumbbells ^C Standard Deviation of 12 samples

Test Method D 5662
Oil Seal Compatibility Test
Form 2
Polyacrylate Test Results

Lab	Bath	Start Date	Date Completed	EOT Time	Test Length

Test Oil Temperature-°C		
Average	Minimum	Maximum

Elastomer Batch Identification		
Code	Production Date	Type

Initial Elastomer Properties From Laboratory															From Manufact.
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)	Reference														
	Non-Ref.														
Volume (g)	Reference														
	Non-Ref.														

Reference Oil Test Results				
CMIR:			TMC Oil Code:	
Laboratory Oil Code:			Viscosity Grade:	
	Tube No.^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

Non-Reference Oil Test Results				
Oil Code:				
Laboratory Oil Code:			Viscosity Grade:	
	Tube No.^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

^A Manufacturer reports specific gravity instead of g ^B Each Tube contains 3 coupons & 3 dumbbells ^C Standard Deviation of 12 samples

**Test Method D 5662
Oil Seal Compatibility Test
Form 3
Nitrile Test Results**

Lab	Bath	Start Date	Date Completed	EOT Time	Test Length

Test Oil Temperature-°C		
Average	Minimum	Maximum

Elastomer Batch Identification		
Code	Production Date	Type

Initial Elastomer Properties From Laboratory															From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.		
Elongation (%)																
Hardness (SH)	Reference															
	Non-Ref.															
Volume (g)	Reference															A
	Non-Ref.															

Reference Oil Test Results				
CMIR:			TMC Oil Code:	
Laboratory Oil Code:			Viscosity Grade:	
	Tube No.^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

Non-Reference Oil Test Results				
Oil Code:				
Laboratory Oil Code:			Viscosity Grade:	
	Tube No.^B	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. ^C				
Average				

^A Manufacturer reports specific gravity instead of g ^B Each Tube contains 3 coupons & 3 dumbbells ^C Standard Deviation of 12 samples

Test Method D 5662
Oil Seal Compatibility Test
Form 5
Operational Validity Summary

Controlled Parameter	Elastomer Material	Allowable % Out	This Test % Out	Actual Time Out min:s
Test Oil Temperature	Nitrile	1%		
Test Oil Temperature	Polyacrylate	1%		
Test Oil Temperature	Fluoroelastomer	1%		