

**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>
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**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:	
	<b>Tube No.<sup>B</sup></b>	<b>% Elongation Change</b>	<b>Shore A Hardness Change Points</b>	<b>% Volume Change</b>
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. <sup>C</sup>				
Average				

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

<sup>A</sup> Manufacturer reports specific gravity instead of g <sup>B</sup> Each Tube contains 3 coupons & 3 dumbbells <sup>C</sup> 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:	
	<b>Tube No.<sup>B</sup></b>	<b>% Elongation Change</b>	<b>Shore A Hardness Change Points</b>	<b>% Volume Change</b>
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. <sup>C</sup>				
Average				

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

<sup>A</sup> Manufacturer reports specific gravity instead of g <sup>B</sup> Each Tube contains 3 coupons & 3 dumbbells <sup>C</sup> 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:	
	<b>Tube No.<sup>B</sup></b>	<b>% Elongation Change</b>	<b>Shore A Hardness Change Points</b>	<b>% Volume Change</b>
Three Specimen Average	1			
	2			
	3			
	4			
Sample Std. Dev. <sup>C</sup>				
Average				

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

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



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

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