

**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 Reference 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

Reference Oil	
CMIR:	TMC Oil Code:
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			

**Test Method D 5662  
Oil Seal Compatibility Test  
Form 2  
Fluoroelastomer Non-reference 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

Non-reference Oil	
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			

**Test Method D 5662  
Oil Seal Compatibility Test  
Form 3  
Polyacrylate Reference 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

Reference Oil	
CMIR:	TMC Oil Code:
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			

**Test Method D 5662  
Oil Seal Compatibility Test  
Form 4  
Polyacrylate Non-reference 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

Non-reference Oil	
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			

**Test Method D 5662  
Oil Seal Compatibility Test  
Form 5  
Nitrile Reference 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

Reference Oil	
CMIR:	TMC Oil Code:
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			

**Test Method D 5662  
Oil Seal Compatibility Test  
Form 6  
Nitrile Non-reference 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

Non-reference Oil	
Laboratory Oil Code:	Viscosity Grade:

Pre-test Elastomer Properties (as measured by lab)														From Manufact.	
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.	
Elongation (%)															
Hardness (SH)															
Volume (g)															

Post-test Elastomer Properties (as measured by lab)														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	Avg.	Std. Dev.
Elongation (%)														
Hardness (SH)														
Volume (g)														

	% Elongation Change	Shore A Hardness Change Points	% Volume Change
Std. Dev.			
Average			





**Test Method D 5662**  
**Oil Seal Compatibility Test**  
**Form 8**  
**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	Fluoroelastomer	1%		
Test Oil Temperature	Polyacrylate	1%		
Test Oil Temperature	Nitrile	1%		