

A2. Report Forms  
**TEST METHOD D 5662**  
**(OIL SEAL COMPATIBILITY TEST)**

**VERSION**

**CONDUCTED FOR**

	I = Invalid
	V =Valid

Test Number
Bath Number:(Flouroelastomer)
Bath Number:(Polyacrylate)
Bath Number:(Nitrile)

Date Completed:(Flouroelastomer)		EOT Time:	
Date Completed:(Polyacrylate)		EOT Time:	
Date Completed:(Nitrile)		EOT Time:	
Oil Code :(Flouroelastomer)		CMIR1:	CMIR2:
Oil Code:(Polyacrylate)		CMIR3:	CMIR4:
Oil Code:(Nitrile)		CMIR5:	CMIR6:
Alternate Codes:			

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.

**SUBMITTED BY:** \_\_\_\_\_ Testing Laboratory

\_\_\_\_\_ Signature

\_\_\_\_\_ Typed Name

\_\_\_\_\_ Title

**Fig A2.1 TEST REPORT COVER**

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #1  
REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

REFERENCE OIL No. 1						
CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE FL = Fluoroelastomer

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE FL = Fluoroelastomer

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

<sup>B</sup> Manufacturer reports specific gravity instead of volume

**Fig. A2.2 REFERENCE OIL RESULTS – FLUOROELASTOMER**

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #2  
NON-REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

NON-REFERENCE OIL TEST				
OIL CODE:				
LABORATORY OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE FL = Fluoroelastomer

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV
% Elongation:														
Hardness:														
Volume:														

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

Fig. A2.3 NON-REFERENCE OIL RESULTS – FLUOROELASTOMER

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #3  
REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

REFERENCE OIL No. 1						
CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE PA = Polyacrylate

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

REFERENCE OIL No. 2						
CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE PA = Polyacrylate

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

<sup>B</sup> Manufacturer reports specific gravity instead of volume

**Fig. A2.4 REFERENCE OIL RESULTS – POLYACRYLATE**

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #4  
NON-REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

NON-REFERENCE OIL TEST				
OIL CODE:				
LABORATORY OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE PA = Polyacrylate

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV
% Elongation:														
Hardness:														
Volume:														

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

**Fig. A2.5 NON-REFERENCE OIL RESULTS – POLYACRYLATE**

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #5  
REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

REFERENCE OIL No. 1						
CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE NI = Nitrile

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

REFERENCE OIL No. 2						
CMIR	LABORATORY OIL CODE	TMC OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE FL = Fluoroelastomer

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory															
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV	From <sup>B</sup> Manufact.
% Elongation:															
Hardness:															
Volume:															

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

<sup>B</sup> Manufacturer reports specific gravity instead of volume

**Fig. A2.6 REFERENCE OIL RESULTS – NITRILE**

**TEST METHOD D 5662  
(OIL SEAL COMPATIBILITY TEST)  
FORM #6  
NON-REFERENCE OIL TEST RESULTS**

LAB	TEST NO. (BATH #)	START DATE	DATE COMPLETED	END OF TEST TIME	TEST LENGTH	TEST TEMP. °C

NON-REFERENCE OIL TEST				
OIL CODE:				
LABORATORY OIL CODE	VISCOSITY GRADE	ELASTOMER BATCH CODE	ELASTOMER BATCH DATE	ELASTOMER TYPE NI = Nitrile

Tube No. <sup>A</sup>	% Elongation Change		Shore A Hardness Change Points		% Volume Change	
	AVG	STD DEV	AVG	STD DEV	AVG	STD DEV
1						
2						
3						
4						
Overall Values						

Initial Elastomer Properties From Laboratory														
Specimen	1	2	3	4	5	6	7	8	9	10	11	12	AVG	STD DEV
% Elongation:														
Hardness:														
Volume:														

<sup>A</sup> Each Tube contains 3 coupons & 3 dumbbells

Fig. A2.7 NON-REFERENCE OIL RESULTS – NITRILE







