

**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 Temp.°C |
| | | | | | | |

| 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) | | | | | | | | | | | | | | | |
| Volume (g) | | | | | | | | | | | | | | | A |

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 | | | | |

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 | | | | |

^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 Temp.°C |
| | | | | | | |

| 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) | | | | | | | | | | | | | | | |
| Volume (g) | | | | | | | | | | | | | | | A |

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 | | | | |

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 | | | | |

^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 Temp.°C |
| | | | | | | |

| 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) | | | | | | | | | | | | | | | |
| Volume (g) | | | | | | | | | | | | | | | A |

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 | | | | |

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 | | | | |

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

