D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)
Form 1 – Validity Declaration

Version:
Conducted for:

	V = Valid
	I = Invalid

Elastomer Type	Bath Number	Elastomer Batch	Oilcode	CMIR	SOT Date	SOT Time	EOT Date	EOT Time
Nitrile								
Polyacrylate								
Fluoroelastomer								
Silicone								
Ethylene Acrylate								

Alternate Codes:			

In my opinion this test_____been conducted in accordance with Test Method D 7216, Annex A2, and the appropriate amendments through the Information Letter System. The remarks on Form 7 describe any anomalies associated with this test.

Submitted By: _____
Testing Laboratory

_____
Signature

_____
Typed Name

_____
Title

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers) Form 2 – Candidate Data

Sample Code:	Lab:	EOT Date:
Test Method Version:		Test Length:

Elastomer Identification	TMC Identification	Parameter	Reference Result	Candidate Result
Type:	Industry Oil:	Volume Change		
Nitrile		Hardness		
Batch:	CMIR:	Tensile Strength		

Elastomer Identification	TMC Identification	Parameter	Reference Result	Candidate Result
Type:	Industry Oil:	Volume Change		
Polyacrylate		Hardness		
Batch:	CMIR:	Tensile Strength		

Elastomer Identification	TMC Identification	Parameter	Reference Result	Candidate Result
Type:	Industry Oil:	Volume Change		
Fluoroelastomer		Hardness		
Batch:	CMIR:	Tensile Strength		

Elastomer Identification	TMC Identification	Parameter	Reference Result	Candidate Result
Type:	Industry Oil:	Volume Change		
Silicone		Hardness		
Batch:	CMIR:	Tensile Strength		

Elastomer Identification	TMC Identification	Parameter	Reference Result	Candidate Result
Type:	Industry Oil:	Volume Change		
Ethylene Acrylate		Hardness		
Batch:	CMIR:	Tensile Strength		

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)

Form 3 – Results Summary – Non-Reference Oil

Sample Code:	Lab:
Lab Oil Code:	

Elastomer Type:			Elastomer Batch Code:		
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

Elastomer Type:			Elastomer Batch Code:		
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

Elastomer Type:			Elastomer Batch Code:		
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)

Form 4 – Results Summary – Non-Reference Oil

Sample Code: Lab Oil Code:	Lab:

Elastomer Type: SOT Time: SOT Date:		EOT Time: EOT Date:	Elastomer Batch Code:	Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

Elastomer Type: SOT Time: SOT Date:		EOT Time: EOT Date:	Elastomer Batch Code:	Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)

Form 5 – Results Summary – Reference Oil

Lab Oil Code:	Lab:

CMIR: TMC Industry Oil Code:
Elastomer Type: Elastomer Batch Code:
SOT Time: EOT Time:
SOT Date: EOT Date: Bath Number:

Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

CMIR: TMC Industry Oil Code:
Elastomer Type: Elastomer Batch Code:
SOT Time: EOT Time:
SOT Date: EOT Date: Bath Number:

Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

CMIR: TMC Industry Oil Code:
Elastomer Type: Elastomer Batch Code:
SOT Time: EOT Time:
SOT Date: EOT Date: Bath Number:

Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)
Form 6 – Results Summary – Reference Oil

Lab Oil Code:	Lab:

CMIR:			TMC Industry Oil Code:		
Elastomer Type:			Elastomer Batch Code:		
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

CMIR:			TMC Industry Oil Code:		
Elastomer Type:			Elastomer Batch Code:		
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	
Average					
Correction Factor					
Corrected Average					
Standard Deviation					

D 7216 – Engine Oil Elastomer Compatibility (Annex A2 – Light-Duty Elastomers)
Form 7 – Comments

Sample Code:	Lab:	EOT Date:

Number of comment lines: