D xxxx – Engine Oil Elastomer Compatibility Form 1 – Validity Declaration

Version:

Conducted for:

			V = Valid					
			I = Invalid					
Elastomer	Bath Number	Elastomer Batch	Oilcode	CMIR	SOT Date	SOT Time	EOT Date	EOT Time
Type Nitrile	Number	Batch			Date	Time	Date	1 IIIIe
Polyacrylate								+
Fluoroelastomer								+
Silicon								_
Vamac								+
vainac								
Alternate (odes.							
7 Hiteritate C	Joues.		<u>l</u>					
In my opin through the			been conducted in accordance with Test Metlem. The remarks on Form 7 describe any anoma Submitted By:			t.	ing Laborato	ory
							Signatu	ire
							Typed Nai	me
							Ti	tle

D xxxx - Engine Oil Elastomer Compatibility Form 2 - Results Summary - Non-Reference Oil

Sample Code: Lab Oil Code:			Lab:	
SOT Time:	EOT Time:	Elastomer Batch Code:	Code:	
SOT Date:	EOT Date:		Bath Number:	
Test Test Temperature, Duration, °C Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	Elongation Change, %
Average Standard Deviation				
Elastomer Type:		Elastomer Batch Code:	Code:	
SOT Time: SOT Date:	EOT Time: EOT Date:		Bath Number:	
Average Standard Deviation				
Electomor Type.		Flastomer Batch Code:	Code:	
SOT Date:	EOT Time: EOT Date:	Elaswiiki Dawi	Bath Number:	
Average Standard Deviation				
Elastomer Type:		Elastomer Batch Code:	Code:	
SOT Time: SOT Date:	EOT Time: EOT Date:		Bath Number:	
Average Standard Deviation				

D xxxx – Engine Oil Elastomer Compatibility Form 3 – Results Summary – Non-Reference Oil - Vamac

Lab Oil Code:	Sample Code:	
	Lab:	

				on	Standard Deviation
					Average
%	Change, %	Points	%	Hours	O°
Change,	Strength	Change,	Change,	Duration,	Temperature,
Elongation	Tensile	Hardness	Volume	Test	Test
	Bath Number:		EOT Date:		SOT Date:
			EOT Time:		SOT Time:
	Code:	Elastomer Batch Code:			Elastomer Type:

D xxxx - Engine Oil Elastomer Compatibility Form 4 - Results Summary - Reference Oil

Lab Oil Code:				Lab:	
CMIR:			TMC Industry Oil Code:	il Code:	
Elastomer Type: SOT Time:		EOT Time:	Elastomer Batch Code:	Code:	
SOT Date:		EOT Date:		Bath Number:	
Test Temperature, °C	Test Duration, Hours	Volume Change,	Hardness Change, Points	Tensile Strength Change %	Elongation Change,
Average					
Standard Deviation	1				
CMIR:			TMC Industry Oil Code:	il Code:	
SOT Time:		EOT Time:			
SOI Date:		EOI Date:		Bam Number:	
Average					
Standard Deviation	ו				
CMIR: Elastomer Type:			TMC Industry Oil Code: Elastomer Batch Code:	il Code: Code:	
SOT Date:		EOT Date:		Bath Number:	
Average					
Standard Deviation	ו				
CMIR: Elastomer Type:			TMC Industry Oil Code: Elastomer Batch Code:	il Code:	
SOT Time: SOT Date:		EOT Time: EOT Date:		Bath Number:	
Average Standard Deviation	נ				
Standard Deviation	1				

D xxxx – Engine Oil Elastomer Compatibility Form 5 – Results Summary – Non-Reference Oil - Vamac

Lab:

Lab Oil Code:

CMIR:			TMC Industry Oil Code:	il Code:	
Elastomer Type:			Elastomer Batch Code:	Code:	
SOT Time:		EOT Time:			
SOT Date:		EOT Date:		Bath Number:	
Test	Test	Volume	Hardness	Tensile	Elongation
Temperature,	Duration,	Change,	Change,	Strength	Change,
Э°	Hours	%	Points	Change, %	%
Average					
Standard Deviation	n				

D xxxx – Engine Oil Elastomer Compatibility Form 6 – Candidate Data

Sample Code:	Lab: EOT Date:	
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Elastomer	Parameter	Specification Limit	Candidate Result	TMC	Reference Acceptance Limits	Reference
Identification				Identification	Updated on:	Result
Type:	Volume Change	+5% to -3%		Industry Oil:	to	
Nitrile	Hardness	+7 pts to −5 pts			to	
Batch:	Tensile	+10% to -TMC 1006		CMIR:	to	
	Strength	+10% to -TMC 1006			to	

Elastomer	Parameter	Specification Limit	Candidate Result	TMC	Reference Acceptance Limits	Reference
Identification				Identification	Updated on:	Result
Type:	Volume Change	+5% to −3%		Industry Oil:	to	
Polyacrylate	Hardness	+8 pts to −5 pts			to	
Batch:	Tensile	+18% to -15%		CMIR:	to	
	Strength	+10% to -35%			to	

Elastomer	Parameter	Specification Limit	Candidate Result	TMC	Reference Acceptance Limits	Reference
Identification				Identification	Updated on:	Result
Type:	Volume Change	+5% to -2%		Industry Oil:	to	
Fluoroelastomer	Hardness	+7 pts to −5 pts			to	
Batch:	Tensile	+10% to -TMC 1006		CMIR:	to	
	Strength	+10% to -TMC 1006			to	

Elastomer	Parameter	Specification Limit	Candidate Result	TMC	Reference Acceptance Limits	Reference
Identification				Identification	Updated on:	Result
Type:	Volume Change	+TMC 1006 to -3%		Industry Oil:	to	
Silicon	Hardness	+5 pts to -TMC 1006			to	
Batch:	Tensile	+10% to -45%		CMIR:	to	
	Strength	+20% to -30%			to	

Elastomer	Parameter	Specification Limit	Candidate Result	TMC	Reference Acceptance Limits	Reference
Identification				Identification	Updated on:	Result
Type:	Volume Change	Report		Industry Oil:	to	
Vamac	Hardness	Report			to	
Batch:	Tensile	Report		CMIR:	to	
	Strength	Report			to	

D xxxx – Engine Oil Elastomer Compatibility Form 7 – Comments

Sample Code:	Lab:	EOT Date:
Number of comment lines:		