

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

Version: EOEC VERSION 20040127 BETA
Conducted for: CCC

C	V = Valid
	I = Invalid

Elastomer Type	Bath Number	Elastomer Batch	Oilcode	CMIR	SOT Date	SOT Time	EOT Date	EOT Time
Nitrile	CC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCCCCC	YYYYMMDD	HH:MM	YYYYMMDD	HH:MM
Polyacrylate	CC	CCCCCC		CCCCCC	YYYYMMDD	HH:MM	YYYYMMDD	HH:MM
Fluoroelastomer	CC	CCCCCC		CCCCCC	YYYYMMDD	HH:MM	YYYYMMDD	HH:MM
Silicon	CC	CCCCCC		CCCCCC	YYYYMMDD	HH:MM	YYYYMMDD	HH:MM
Vamac	CC	CCCCCC		CCCCCC	YYYYMMDD	HH:MM	YYYYMMDD	HH:MM

Alternate Codes: CCCCCCCCCCCCCCCC CCCCCCCCCCCCCCCC CCCCCCCCCCCCCCCC

In my opinion this test CCCCCCCC been conducted in accordance with Test Method D xxxx and the appropriate amendments through the information letter system. The remarks on Form 7 describe any anomalies associated with this test.

Signature Image

CC

Typed Name

CC

Title

**D xxx – Engine Oil Elastomer Compatibility
Form 2 – Results Summary – Non-Reference Oil**

Sample Code:	CCCCCCCCCCCCCCCCCCCCCCCCCCCC			Lab:	CC
Elastomer Type:	CCCCCCCCCCCCCCCC	Elastomer Batch Code:	CCCCCC		
SOT Time:	HH:MM	EOT Time:	HH:MM		
SOT Date:	YYYYMMDD	EOT Date:	YYYYMMDD	Bath Number:	CC

Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	Elongation Change, %
S123	S123	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Average		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Standard Deviation		S12.12	S12	S123.1	S123.1
		S12.12	S12.12	S12.12	S12.12

Elastomer Type:	CCCCCCCCCCCCCCCC	Elastomer Batch Code:	CCCCCC
SOT Time:	HH:MM	EOT Time:	HH:MM
SOT Date:	YYYYMMDD	EOT Date:	YYYYMMDD

Bath Number: CC

S123	S123	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Average		S12.12	S12	S123.1	S123.1
Standard Deviation		S12.12	S12.12	S12.12	S12.12

Elastomer Type:	CCCCCCCCCCCCCCCC	Elastomer Batch Code:	CCCCCC
SOT Time:	HH:MM	EOT Time:	HH:MM
SOT Date:	YYYYMMDD	EOT Date:	YYYYMMDD

Bath Number: CC

S123	S123	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Average		S12.12	S12	S123.1	S123.1
Standard Deviation		S12.12	S12.12	S12.12	S12.12

Elastomer Type:	CCCCCCCCCCCCCCCC	Elastomer Batch Code:	CCCCCC
SOT Time:	HH:MM	EOT Time:	HH:MM
SOT Date:	YYYYMMDD	EOT Date:	YYYYMMDD

Bath Number: CC

S123	S123	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Average		S12.12	S12	S123.1	S123.1
Standard Deviation		S12.12	S12.12	S12.12	S12.12

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Form 3 – Results Summary – Non-Reference Oil - Vamac

Sample Code: CCCCCCCCCCCCCCCCCCCCCCCCC
Lab Oil Code: CCCCCCCCCCCCCCCC

Lab: CC

Elastomer Type: CCCCCCCCCCCCCCCC			Elastomer Batch Code: CCCCCC		
SOT Time: HH:MM			EOT Time: HH:MM		
SOT Date: YYYYMMDD			EOT Date: YYYYMMDD		
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Points	Tensile Strength Change, %	Elongation Change, %
S123	S123	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
Average	S12.12	S12	S123.1	S123.1	S12.12
Standard Deviation		S12.12	S12.12	S12.12	S12.12

**D xxx – Engine Oil Elastomer Compatibility
Form 4 – Results Summary – Reference Oil**

Lab Oil Code: CCCCCCCCCCCCCCCC

Lab: CC

CMIR: CCCCCC	TMC Industry Oil Code: CCCCCC		
Elastomer Type: CCCCCCCCCCCCCCCC	Elastomer Batch Code: CCCCCC		
SOT Time: HH:MM	EOT Time: HH:MM		
SOT Date: YYYYMMDD	EOT Date: YYYYMMDD		

Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Change, Points	Tensile Strength Change, %	Elongation Change, %
S123	S123	AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
Average		AAAAAA	AAAAAA	AAAAAA	AAAAAA
Standard Deviation		S12.12	S12.12	S12.12	S12.12

CMIR: CCCCCC	TMC Industry Oil Code: CCCCCC		
Elastomer Type: CCCCCCCCCCCCCCCC	Elastomer Batch Code: CCCCCC		
SOT Time: HH:MM	EOT Time: HH:MM		
SOT Date: YYYYMMDD	EOT Date: YYYYMMDD		

S123	S123	AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
Average		S12.12	S12	S123.1	S123.1
Standard Deviation		S12.12	S12.12	S12.12	S12.12

CMIR: CCCCCC	TMC Industry Oil Code: CCCCCC		
Elastomer Type: CCCCCCCCCCCCCCCC	Elastomer Batch Code: CCCCCC		
SOT Time: HH:MM	EOT Time: HH:MM		
SOT Date: YYYYMMDD	EOT Date: YYYYMMDD		

CMIR: CCCCCC

Elastomer Type: CCCCCCCCCCCCCCCC

SOT Time: HH:MM

EOT Time: HH:MM

SOT Date: YYYYMMDD

EOT Date: YYYYMMDD

S123	S123	AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
		AAAAAA	AAAAAA	AAAAAA	AAAAAA
Average		S12.12	S12	S123.1	S123.1
Standard Deviation		S12.12	S12.12	S12.12	S12.12

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

Lab Oil Code: CCCCCCCCCCCCCCCC

Lab: CC

CMIR:	CCCCCC	TMC Industry Oil Code:	CCCCCC
Elastomer Type:	CCCCCCCCCCCCCCCC	Elastomer Batch Code:	CCCCCC
SOT Time:	HH:MM	EOT Time:	HH:MM
SOT Date:	YYYYMMDD	EOT Date:	YYYYMMDD
Test Temperature, °C	Test Duration, Hours	Volume Change, %	Hardness Points
S123	S123	AAAAAAA	AAAAAAA
		AAAAAAA	AAAAAAA
Average	S12.12	S12	S123.1
Standard Deviation	S12.12	S12.12	S12.12

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

Sample Code: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Lab: CC	EOT Date: YYYYMMDD
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Elastomer Identification	Parameter	Specification Limit	Candidate Result	TMC Identification	Reference Acceptance Limits		Reference Result
					Updated on: YYYYMMDD		
Type: Nitrile	Volume Change	+5% to -3%	S12.12	Industry Oil: CCCCCC	S12.12	to S12.12	S12.12
	Hardness	+7 pts to -5 pts	S12		S12	to S12	S12
Batch: CCCCCC	Tensile	+10% to -TMC 1006	S123.1	CMIR: CCCCCC	S123.1	to S123.1	S123.1
	Strength	+10% to -TMC 1006	S123.1		S123.1	to S123.1	S123.1

Elastomer Identification	Parameter	Specification Limit	Candidate Result	TMC Identification	Reference Acceptance Limits		Reference Result
					Updated on: YYYYMMDD		
Type: Polyacrylate	Volume Change	+5% to -3%	S12.12	Industry Oil: CCCCCC	S12.12	to S12.12	S12.12
	Hardness	+8 pts to -5 pts	S12		S12	to S12	S12
Batch: CCCCCC	Tensile	+18% to -15%	S123.1	CMIR: CCCCCC	S123.1	to S123.1	S123.1
	Strength	+10% to -35%	S123.1		S123.1	to S123.1	S123.1

Elastomer Identification	Parameter	Specification Limit	Candidate Result	TMC Identification	Reference Acceptance Limits		Reference Result
					Updated on: YYYYMMDD		
Type: Fluoroelastomer	Volume Change	+5% to -2%	S12.12	Industry Oil: CCCCCC	S12.12	to S12.12	S12.12
	Hardness	+7 pts to -5 pts	S12		S12	to S12	S12
Batch: CCCCCC	Tensile	+10% to -TMC 1006	S123.1	CMIR: CCCCCC	S123.1	to S123.1	S123.1
	Strength	+10% to -TMC 1006	S123.1		S123.1	to S123.1	S123.1

Elastomer Identification	Parameter	Specification Limit	Candidate Result	TMC Identification	Reference Acceptance Limits		Reference Result
					Updated on: YYYYMMDD		
Type: Silicon	Volume Change	+TMC 1006 to -3%	S12.12	Industry Oil: CCCCCC	S12.12	to S12.12	S12.12
	Hardness	+5 pts to -TMC 1006	S12		S12	to S12	S12
Batch: CCCCCC	Tensile	+10% to -45%	S123.1	CMIR: CCCCCC	S123.1	to S123.1	S123.1
	Strength	+20% to -30%	S123.1		S123.1	to S123.1	S123.1

Elastomer Identification	Parameter	Specification Limit	Candidate Result	TMC Identification	Reference Acceptance Limits		Reference Result
					Updated on: YYYYMMDD		
Type: Vamac	Volume Change	Report	S12.12	Industry Oil: CCCCCC	S12.12	to S12.12	S12.12
	Hardness	Report	S12		S12	to S12	S12
Batch: CCCCCC	Tensile	Report	S123.1	CMIR: CCCCCC	S123.1	to S123.1	S123.1
	Strength	Report	S123.1		S123.1	to S123.1	S123.1

