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SPEC./DWG #: ELVG17 in BioDiesel

_____ REV.: <u>N/A</u>

PART #: N/A

COMPOUND: <u>ELV13430</u> (G17)

__ DATE: <u>7/17/</u>06

APCO: N/A LOT #: 502701

PRECIX. INC. - TEST REPORT

			PRECI	K, INC.	- TEST REPORT				
TYPE OF TEST	TEST METHOD	SPEC.	ACTUAL	PASS Y/N	TYPE OF TEST	TEST METHOD	SPEC.	ACTUAL	PASS Y/N
ORIGINAL PROPERTIES					FLUID AGING PROPERTIES				
Hardness, Shore A	D2240	Report	79	N/A	B20 (Rapeseed) 80% Diesel	+ 20 % Sc	ybean		
Tensile Strength, MPa	D 412	Report	7.2	N/A	336 hours at 60°C				
Elongation at Break, %	D 412	Report	149	N/A	Hardness Change, Shore A, pts.	D471	Report	-7	N/A
Modulus at 100% Elong., MPa	D 412	Report	5.6	N/A	Tensile Strength Chng, %		Report	-15.8	N/A
FLUID AGING PROPERTIES	3				Elong. @ Break Chng, %		Report	-6.0	N/A
B100 (Soybean)					100% Modulus Change, %		Report	-11.6	N/A
336 hours at 60°C					Volume Change, %		Report	+5.4	N/A
Hardness Change, Shore A, pts.	D471	Report	-12	N/A	B100 (Soybean)				
Tensile Strength Chng, %		Report	-18.9	N/A	336 hours at 150°C				
Elong. @ Break Chng, %		Report	-4.0	N/A	Hardness Change, Shore A, pts.	D471	Report	-16	N/A
100% Modulus Change, %		Report	-16.1	N/A	Tensile Strength Chng, %		Report	-57.0	N/A
Volume Change, %		Report	+9.1	N/A	Elong. @ Break Chng, %		Report	-22.8	N/A
B100 (Rapeseed)					100% Modulus Change, %		Report	-40.8	N/A
336 hours at 60°C					Volume Change, %		Report	+7.9	N/A
Hardness Change, Shore A, pts.	D471	Report	-8	N/A	B100 (Rapeseed)				
Tensile Strength Chng, %		Report	-12.3	N/A	336 hours at 150°C				
Elong. @ Break Chng, %		Report	+6.7	N/A	Hardness Change, Shore A, pts.	D471	Report	-19	N/A
100% Modulus Change, %		Report	-18.3	N/A	Tensile Strength Chng, %		Report	-56.8	N/A
Volume Change, %		Report	+5.9	N/A	Elong. @ Break Chng, %		Report	-4.7	N/A
B20 (Soybean) 80% Diesel +	+ 20 % So	ybean			100% Modulus Change, %		Report	-52.2	N/A
336 hours at 60°C					Volume Change, %		Report	+8.0	N/A
Hardness Change, Shore A, pts.	D471	Report	-7	N/A					
Tensile Strength Chng, %		Report	-15.7	N/A					
Elong. @ Break Chng, %		Report	-4.7	N/A					
100% Modulus Change, %		Report	-12.3	N/A					
Volume Change, %		Report	+6.8	N/A					

NOTES/COMMENTS:

Any changes/updates to the lab report will be denoted by a double asterisk, (**), along with an updated report/signature date.

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BY AUTHORIZED AGENT: James Levasseur Lab Manager 07/17/2006

(Name, Title, Date)

APPROVAL TO SUBMIT FOR PPAP:

(Name, Title, Date)

Precix, Inc. - 744 Belleville Avenue - New Bedford, MA 02742 TEL: (508) 998-4000 FAX: (508) 998-4100

	C	USTOMER:	PRECIX							
		LAB RPT. #:					7/17/06			
PRECIX	SPI							N/A		
KECIA		PART #:	N/A			APCO:	N/A			
	C		ELV13430	(G17)			502701			
MAYERS OF ACTIONNET DUPPER			DDECI	Y INIC	TEST DEDODT					
MAKERS OF ACUSHNET RUBBER O RINGS • SEAL RINGS • CUSTOM ELASTOMER SOLUTION	ons			PASS	- TEST REPORT	TEST			PASS	
	ME1HOD	SPEC.	ACTUAL	Y/N	TYPE OF TEST	METHOD	SPEC.	ACTUAL	Y/N	
FLUID AGING PROPERTIES										
B20 (Soybean) 80% Diesel +	20 % So	ybean								
336 hours at 150°C										
Hardness Change, Shore A, pts.	D471	Report	-15	N/A						
Tensile Strength Chng, %		Report	-38.2	N/A						
Elong. @ Break Chng, %		Report	-3.4	N/A						
100% Modulus Change, %		Report	-36.9	N/A						
Volume Change, %		Report	+10.4	N/A						
B20 (Rapeseed) 80% Diesel	+ 20 % S	oybean						1		
336 hours at 150°C				<u> </u>						
Hardness Change, Shore A, pts.	D471	Report	-16	N/A						
Tensile Strength Chng, %		Report	-40.1	N/A						
Elong. @ Break Chng, %		Report	-4.0	N/A						
100% Modulus Change, %		Report	-36.3	N/A						
Volume Change, %		Report	+9.9	N/A						
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NOTES/COMMENTS:										
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					(Name, Title, Dat	e)			
APPI	SUBMIT F	OR PPAP:								
(Name, Title, Date)										
					venue - New Bedford, N					
		Т	EL: (508)	998-4000	FAX: (508) 998-410	0				