RIO	DIESE	I TEST

BIO DIESEL Fuel Resistance 1000h at 125°C With Fuel Changes Every 168H

	<u>'</u>	DIO DIESEL FUE	i itesistance 1	00011 at 125 C	vvitii i dei ciidi	iges Every 10	011	ı	ı
Physical Properties	Specification	Day 7 Remove Sample No 1 and test (168h)	Day 21 Remove Sample No 2 and test (500h)	Day 35 Remove Sample No 3 and test(840h)	Day 42 Remove Final Sample and test (1000h)	Day 7 Remove Sample No 1 and test (168h)	Day 21 Remove Sample No 2 and test (500h)	Day 35 Remove Sample No 3 and test(840h)	Day 42 Remove Final Sample and test (1000h
Plan Vs Actual	Plan	02.05.16	16.05.16	30.05.16	06.06.16	02.05.16	16.05.16	30.05.16	06.06.16
	Actual	02.05.16	17.05.16	31.05.16	07.06.16	02.05.16	17.05.16	31.05.16	07.06.16
		Completed Solvay FKM	Completed Solvay FKM	Completed Solvay FKM	Completed Solvay FKM	Completed Du Pont FKM	Completed Du Pont FKM	Completed Du Pont FKM	Completed Du Pont FKM
B100 Immersion Samples		Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Hardness Change	-10 to +10	-3	-5	-4	-8	-14	-35	-42.0	-42.5
Tensile Strength Change %	-25 Max	-12.9	-12.54	-27.36	-21.43	-38	-78.06	-65.52	-82.59
Elongation Break Change %	-40 Max	+36	+36	+18.18	+18.18	-7.1	-64.28	-35.74	-64.28
Values Chans 9/	.40.14	+4	. 4	. 2	+4.8	. 60.04	.00.05	.74.74	+79.74
Volume Change % Compression set %	+10 Max	+4	+4	+3	+4.6	+ 60.91	+86.85	+71.71	+/9./4
(3.53mm C/s O ring)	50 Max	15.62	21.87	16.12	19.35	18.75	90.62	81.25	50.0
Surface Condition 180°C Bend	No Cracking	No Cracking	No Cracking	No Cracking	No Cracking	No Cracking	No Cracking	No Cracking	No Cracking
B-20 Immersion Samples									
Hardness Change	-10 to +10	-2	-4	-4	-5.5	-8	-16	-12	-17
Tensile Strength Change %	-25 Max	-2.4	-3.93	-12.23	-11.5	-12.9	-18.20	-31.71	-23
Elongation Break Change %	-40 Max	+25	+25.0	+25.0	+25.0	0	-11.76	-35.29	-35
Volume Change %	+10 Max	+4.8	+4.6	+3.19	+4.03	+25.24	+40.39	+51.74	+58.46
Compression set % (3.53mm C/s O ring)	50 Max	9.3	16.66	23.33	16.12	21.8	12.5	30.3	56.66
Surface Condition 180°C Bend	No Cracking	No cracking	No Cracking	No Cracking	No Cracking	No cracking	No Cracking	No Cracking	No Cracking
							Bubbles found	Bubbles found	Bubbles found
							Dubbles Iballu	Dubbles Toull u	Dabbles Io dila