

WEAR CHECK

Your specialist in Oil, Fuel, Grease & Coolant Analysis

Petrol Engine



UNIT NO.	388-IA	DATE SAMPLED	14-Nov-12	COMPARTMENT NAME	Engine
UNIT MAKE	Suzuki	DATE RECEIVED	15-Nov-12	COMPARTMENT MAKE	
UNIT MODEL	GSXR 750	DATE REPORTED	19-Nov-12	COMPARTMENT MODEL	
UNIT SERIAL NO.				COMPARTMENT SERIAL NO.	
SYSTEM CAPACITY	Ltrs			MACHINE LOCATION	Brisbane

DATE SAMPLED		14-Nov-12	25-Jun-12	23-Jun-12
SAMPLE NO.		12818298	7745476	7745461
COMPONENT	Kms	73000	70000	
MACHINE	Kms	73000	70000	0
OIL	Kms	3000	5000	0
OIL MAKE		Motul	Motul	Motul
OIL TYPE		Motul 7100	Motul 5100	Motul 5100
OIL GRADE		15W40	10W50	10W50
OIL ADDED	Ltrs			
FILTER	Kms	3000	5000	
OIL CHANGED		Not Changed	Changed	

Metals (ppm)

Aluminium (Al)	<1	5	<1
Copper (Cu)	<1	10	<1
Chromium (Cr)	<1	<1	<1
Iron (Fe)	1	18	1
Lead (Pb)	<1	4	<1
Tin (Sn)	<1	1	<1
Nickel (Ni)	<1	2	<1

Contaminants and Additives (ppm)

Silicon (Si)	17	34	21
Boron (B)	94	61	79
Sodium (Na)	2	7	7
Potassium (K)	<1	<1	1
Phosphorus (P)	962	1021	903
Molybdenum (Mo)	<1	4	2
Magnesium (Mg)	6	51	7
Calcium (Ca)	2552	2359	2386
Zinc (Zn)	1053	1099	1009

Physical Tests

Water (%)	<0.1	<0.1	<0.1
Nitration (Abs)	4.0	7.7	5.2
Viscosity (cSt,40°C)	91	79	117
PQ Index	<10	<10	<10
Glycol (Abs)	1.1	<0.1	0.5
Petrol (% by Distillation)	--	3.0	

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UIN 02900F9

DIAGNOSIS

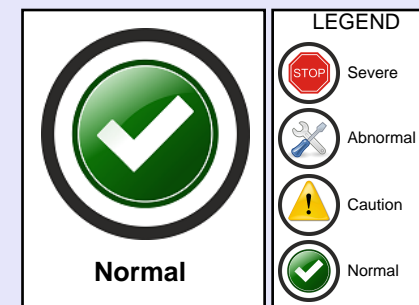
Current Sample :

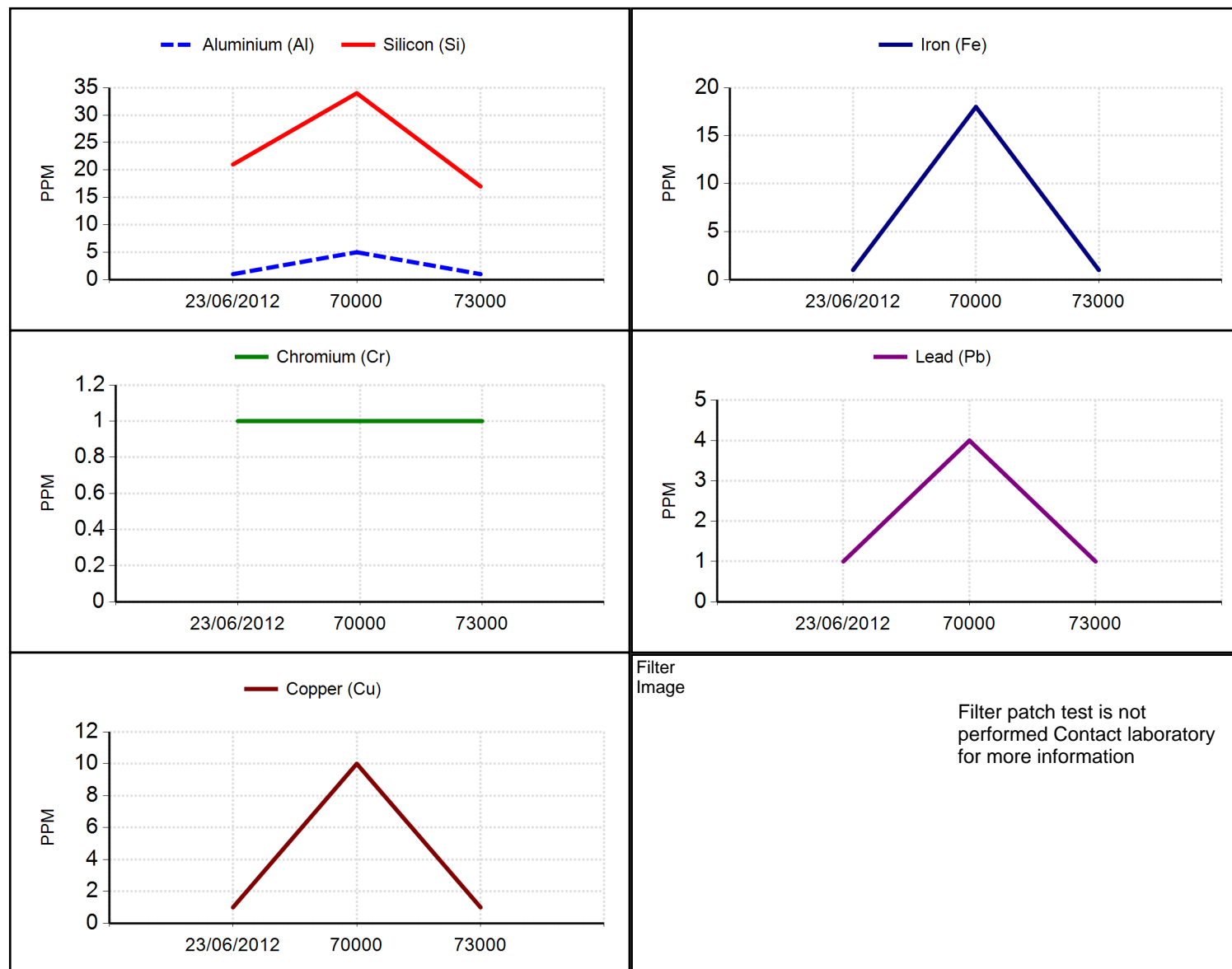
Results were obtained on the sample as received.

Last Sample :

All wear levels appear within acceptable limits for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Minor fuel dilution occurring. Lubricant manufacturers published specifications indicate viscosity low for specified oil type.

Action: As oil and filter(s) already changed, Check fuelling system. Resample at a reduced service interval to monitor and establish wear trend.





"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sampling techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."

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