

# WEAR CHECK

Your specialist in Oil, Fuel, Grease & Coolant Analysis

Petrol Engine



OIL AND EQUIPMENT CONDITION REPORT

<b>UNIT NO.</b>	338-IA	<b>DATE SAMPLED</b>	25-Jun-12	<b>COMPARTMENT NAME</b>	motul 5200
<b>UNIT MAKE</b>	Suzuki	<b>DATE RECEIVED</b>	25-Jun-12	<b>COMPARTMENT MAKE</b>	
<b>UNIT MODEL</b>	GSXR 750	<b>DATE REPORTED</b>	06-Dec-12	<b>COMPARTMENT MODEL</b>	
<b>UNIT SERIAL NO.</b>				<b>COMPARTMENT SERIAL NO.</b>	
<b>SYSTEM CAPACITY</b>	Ltrs			<b>MACHINE LOCATION</b>	Brisbane

<b>DATE SAMPLED</b>		25-Jun-12	23-Jun-12
<b>SAMPLE NO.</b>		7745476	7745461
<b>COMPONENT</b>	Hrs	70000	
<b>MACHINE</b>	Hrs	70000	0
<b>OIL</b>	Hrs	5000	0
<b>OIL MAKE</b>		Motul	Motul
<b>OIL TYPE</b>		Motul 5100	Motul 5100
<b>OIL GRADE</b>		10W50	10W50
<b>OIL ADDED</b>	Ltrs		
<b>FILTER</b>	Hrs	5000	
<b>OIL CHANGED</b>		Changed	

**Metals (ppm)**

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

**Contaminants and Additives (ppm)**

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

**Physical Tests**

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

WC  
10002326917



**UIN 0302D97**

**DIAGNOSIS**

**Current 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.

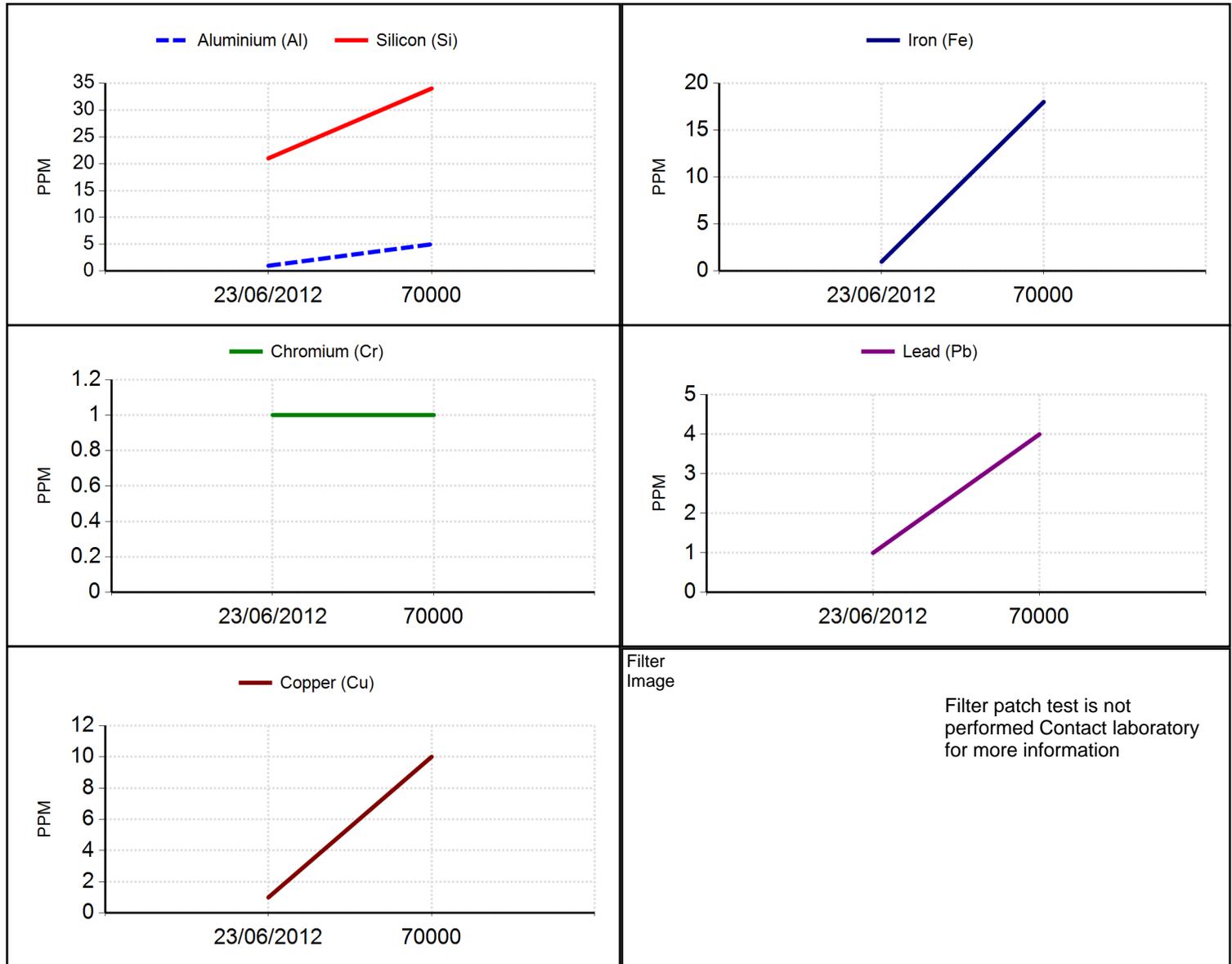
**Last Sample :**

Results were obtained on the sample as received.

**LEGEND**

- Severe
- Abnormal
- Caution
- Normal

Abnormal



"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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