



CONSTRUCTION EQUIPMENT

519979-01 VOLVO 6838 - HYDRAULIC SYSTEM



Sample No: VCE65917

Oil Type: {unknown}

Job No: 519979-01



SAMPLE INFORMATION

Sample Number	VCE65917	---	---	---
Sample Date	04 Jun 2010	---	---	---
Machine Hours	1226	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



STRONGCO EQUIPMENT

61 PROGRESS DRIVE

ORILLIA, ON

CA L3V 6H1

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OIL CONDITION

Visc @ 40°C	cSt	42.1	---	---	---
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CONTAMINATION

Particles >4µm		16152	---	---	---
Particles >6µm		▲ 4429	---	---	---
Particles >14µm		▲ 270	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (5 to 100 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	46	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	422	---	---	---
Phosphorus	ppm	333	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	<1	---	---	---

Depot: STRORI

Unique No: 3120881

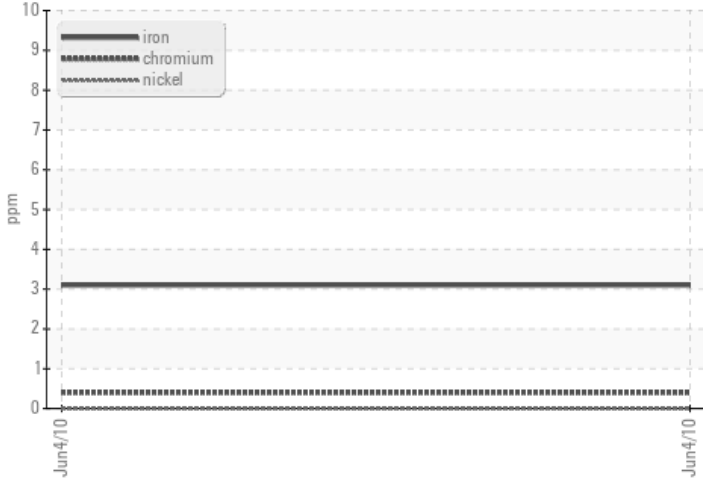
Signed: Kevin Marson

Report Date: 08 Jun 2010

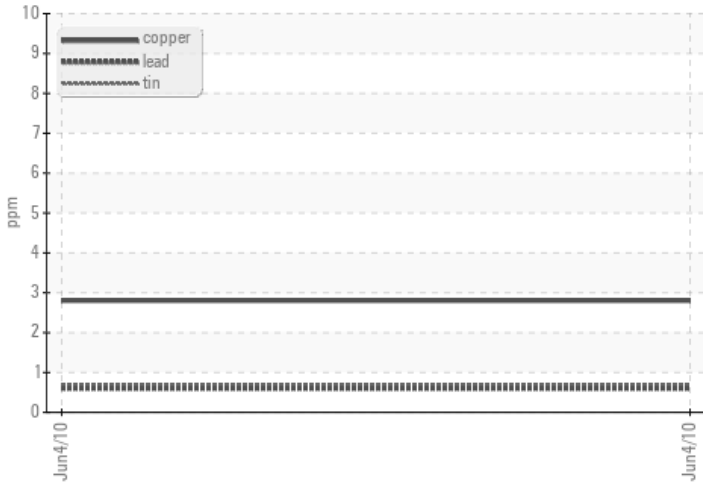


GRAPHS

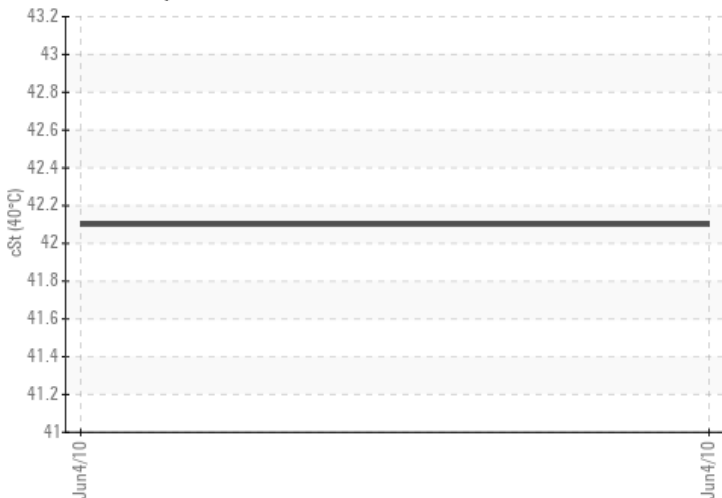
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count

