



# CONSTRUCTION EQUIPMENT

## VOLVO EC460 11065 - RIGHT FINAL DRIVE



**Sample No:** VCP069209

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP069209	---	---	---
Sample Date	16 Jan 2009	---	---	---
Machine Hours	4008	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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### OIL CONDITION

Visc @ 40°C	cSt	140.2	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 181	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 19	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	▲ 503	---	---	---
Copper	ppm	■ 41	---	---	---
Lead	ppm	■ 9	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 44	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	8	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	8	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	151	---	---	---
Magnesium	ppm	27	---	---	---
Zinc	ppm	66	---	---	---
Phosphorus	ppm	860	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	151	---	---	---

**Depot:** VOLV00142  
**Unique No:** 4711804  
**Signed:** Jonathan Hester  
**Report Date:** 26 Jan 2009

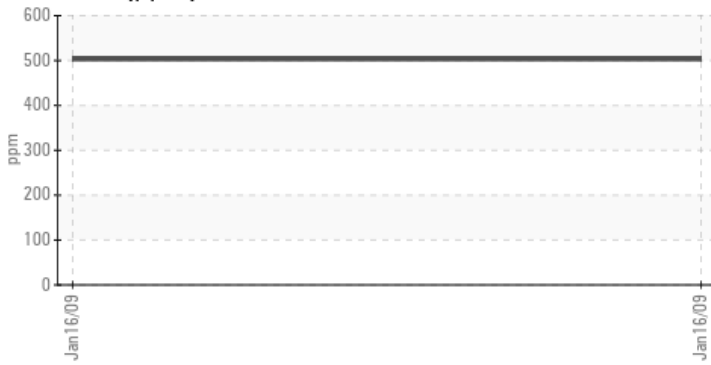


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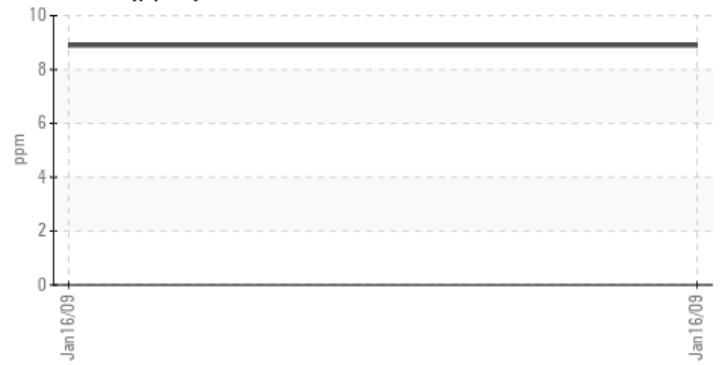


## GRAPHS

### ▲ Iron (ppm)



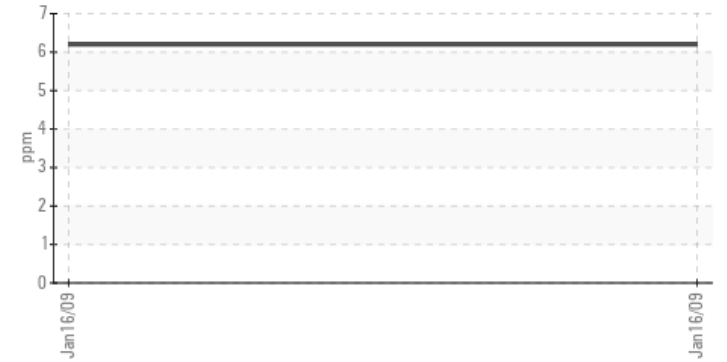
### Lead (ppm)



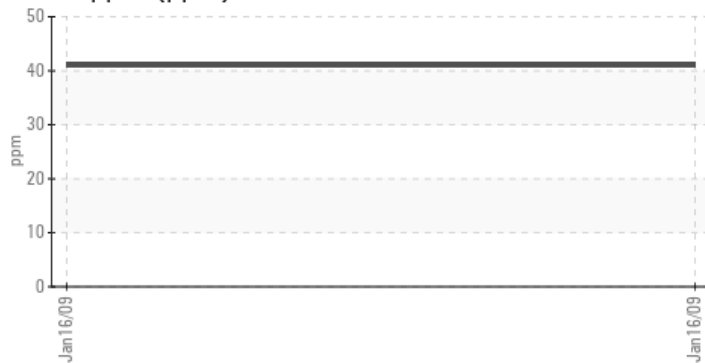
### ● Aluminum (ppm)



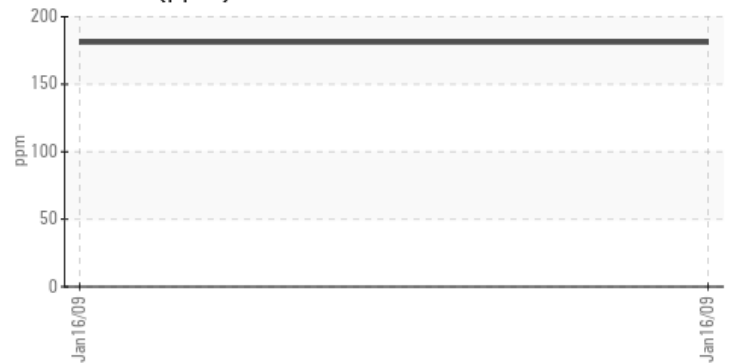
### Chromium (ppm)



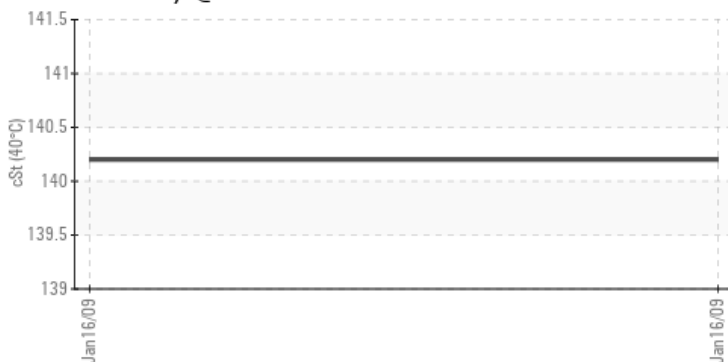
### Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

