



CONSTRUCTION EQUIPMENT

VOLVO EC460 11065 - LEFT FINAL DRIVE



Sample No: VCP069200

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP069200	---	---	---
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
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	151.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 218	---	---	---
Sodium	ppm	■ 11	---	---	---
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	▲ 592	---	---	---
Copper	ppm	■ 50	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 41	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	8	---	---	---
Nickel	ppm	3	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	139	---	---	---
Magnesium	ppm	29	---	---	---
Zinc	ppm	55	---	---	---
Phosphorus	ppm	832	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	139	---	---	---

Depot: VOLV00142
Unique No: 4711805
Signed: Don Baldrige
Report Date: 25 Jan 2009

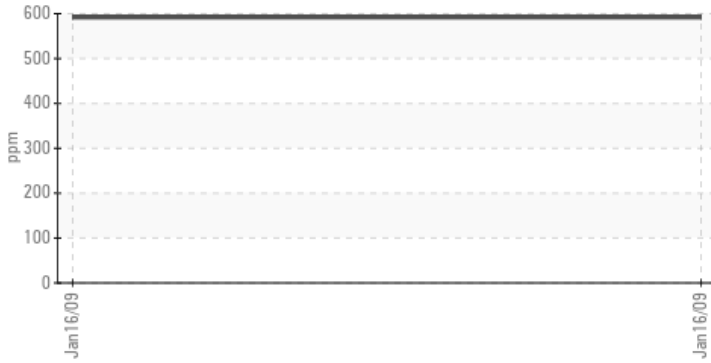


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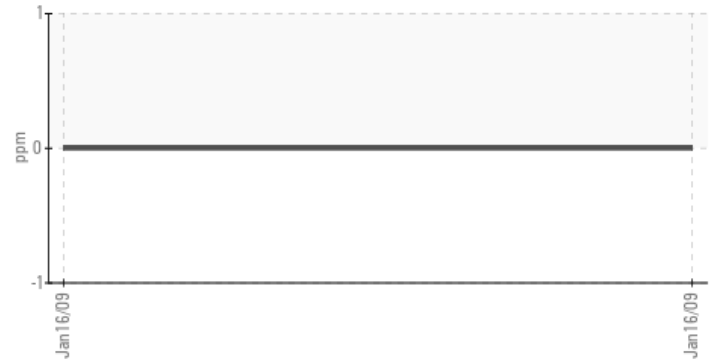


GRAPHS

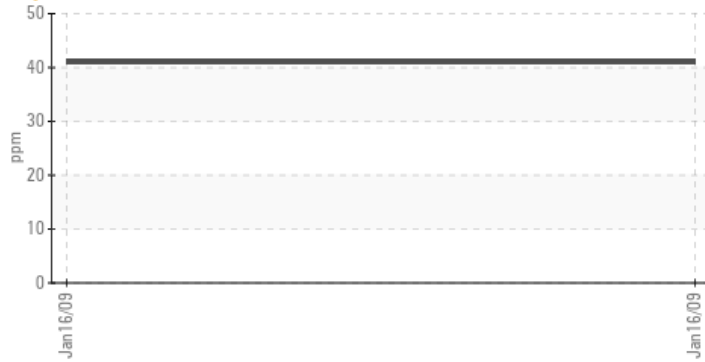
▲ Iron (ppm)



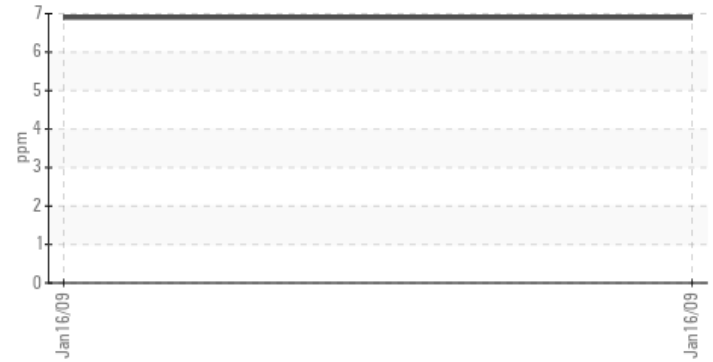
Lead (ppm)



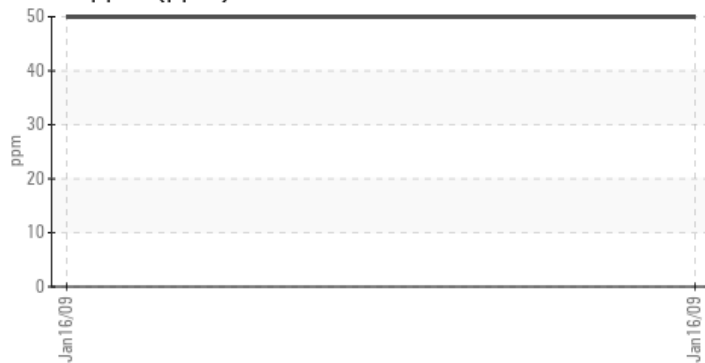
● Aluminum (ppm)



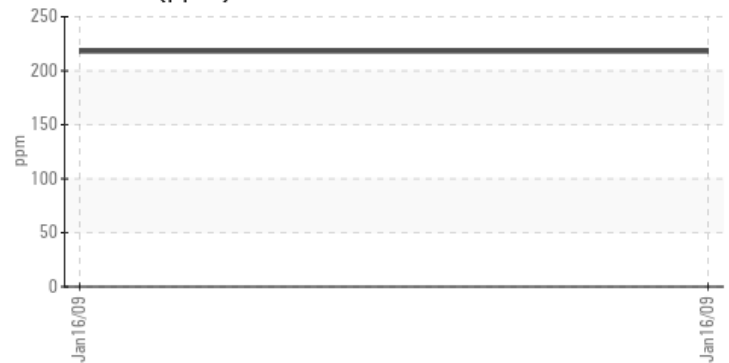
Chromium (ppm)



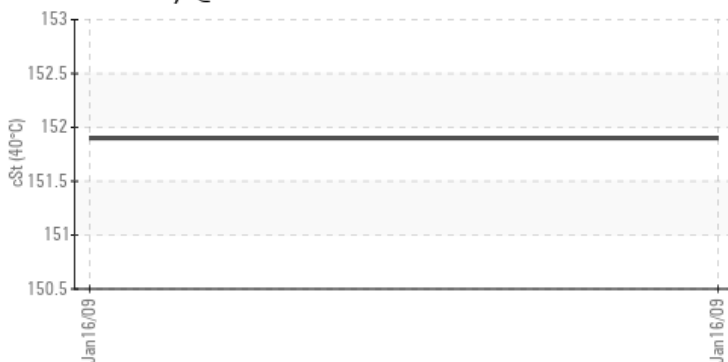
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

