



CONSTRUCTION EQUIPMENT

VOLVO EC460CL 110437 - REAR LEFT FINAL DRIVE



Sample No: VCP202798
Oil Type: {unknown}
Job No:



SAMPLE INFORMATION

Sample Number	VCP202798	---	---	---
Sample Date	28 Mar 2017	---	---	---
Machine Hours	5004	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	331.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 567	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 33	---	---	---

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. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	▲ 1817	---	---	---
Copper	ppm	▲ 110	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	▲ 12	---	---	---
Aluminum	ppm	● 107	---	---	---
Chromium	ppm	▲ 19	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	7	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	15	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	19	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	34	---	---	---
Phosphorus	ppm	861	---	---	---
Barium	ppm	5	---	---	---
Boron	ppm	119	---	---	---

Depot: VOLVO8882
Unique No: 7746541
Signed: Doug Bogart
Report Date: 05 Apr 2017



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GRAPHS

