



CONSTRUCTION EQUIPMENT

VOLVO EC460CL 110437 - LEFT PLANETARY



Sample No: VCP181446
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP181446	---	---	---
Sample Date	15 Dec 2015	---	---	---
Machine Hours	4194	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	█ 426.3	---	---	---
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CONTAMINATION

Water	%	▲ 0.376	---	---	---
Silicon	ppm	▲ 2857	---	---	---
Sodium	ppm	█ 17	---	---	---
Potassium	ppm	█ 172	---	---	---

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 advise that you inspect for the source(s) of wear. 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. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	▲ 6978	---	---	---
Copper	ppm	▲ 435	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 654	---	---	---
Chromium	ppm	▲ 93	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 33	---	---	---
Titanium	ppm	█ 43	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 59	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	█ 22	---	---	---
Magnesium	ppm	█ 40	---	---	---
Zinc	ppm	█ 83	---	---	---
Phosphorus	ppm	█ 727	---	---	---
Barium	ppm	█ 26	---	---	---
Boron	ppm	█ 121	---	---	---

Depot: VOLVO8882
Unique No: 7241236
Signed: Jonathan Hester
Report Date: 22 Dec 2015



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GRAPHS

