



CONSTRUCTION EQUIPMENT

VOLVO EC460CL 110437 - SWING DRIVE



Sample No: VCP158924
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP158924	VCE080416	---	---
Sample Date	04 Nov 2014	04 Nov 2014	---	---
Machine Hours	3963	3963	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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	243.7	■ 287.6	---	---
-------------	-----	--------------	---------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 12	■ 7	---	---
Sodium	ppm	■ 2	■ 2	---	---
Potassium	ppm	■ 6	■ 4	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 275	■ 176	---	---
Copper	ppm	■ 17	■ 13	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	4	2	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 4	■ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 46	28	---	---
Magnesium	ppm	■ 5	■ 4	---	---
Zinc	ppm	■ 70	■ 82	---	---
Phosphorus	ppm	■ 1002	■ 939	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 97	■ 66	---	---

Depot: VOLVO8882
Unique No: 6808315
Signed: Don Baldrige
Report Date: 07 Nov 2014



CONSTRUCTION EQUIPMENT



GRAPHS

