



CONSTRUCTION EQUIPMENT

5586 VOLVO EC460CL 110437 - LEFT SWING DRIVE



Sample No: VCP290605
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 5586



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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SAMPLE INFORMATION

Sample Number	VCP290605	VCP171921	---	---
Sample Date	06 Jan 2021	15 Dec 2015	---	---
Machine Hours	6082	4194	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	335	287.7	---	---
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CONTAMINATION

Water	%	0.216	0.882	---	---
Silicon	ppm	13	28	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	260	312	---	---
Copper	ppm	13	22	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	6	---	---
Chromium	ppm	3	4	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	1	0	---	---
Manganese	ppm	3	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	25	39	---	---
Magnesium	ppm	6	4	---	---
Zinc	ppm	46	61	---	---
Phosphorus	ppm	917	768	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	128	82	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is milky. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8882
Unique No: 9313208
Signed: Jonathan Hester
Report Date: 12 Jan 2021



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GRAPHS

