



# CONSTRUCTION EQUIPMENT

## 3025 VOLVO EC460CL 110315 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP398131  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 3025



### SAMPLE INFORMATION

Sample Number	<b>VCP398131</b>	VCP396666	---	---
Sample Date	<b>06 Oct 2023</b>	23 May 2023	---	---
Machine Hours	<b>11370</b>	11000	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

### LEONARDS CONTRACTING

30850 STEPHENSON HWY  
MADISON HEIGHTS, MI  
US 48071  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>145</b>	142	---	---
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### CONTAMINATION

Silicon	ppm	<b>50</b>	36	---	---
Sodium	ppm	<b>3</b>	1	---	---
Potassium	ppm	<b>5</b>	4	---	---



### WEAR METALS

Iron	ppm	<b>307</b>	254	---	---
Copper	ppm	<b>25</b>	20	---	---
Lead	ppm	<b>▲ 26</b>	14	---	---
Tin	ppm	<b>2</b>	1	---	---
Aluminum	ppm	<b>8</b>	6	---	---
Chromium	ppm	<b>3</b>	2	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	3	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>229</b>	45	---	---
Magnesium	ppm	<b>7</b>	6	---	---
Zinc	ppm	<b>105</b>	20	---	---
Phosphorus	ppm	<b>1345</b>	1245	---	---
Barium	ppm	<b>11</b>	0	---	---
Boron	ppm	<b>75</b>	95	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** LEOMAD  
**Unique No:** 10709567  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



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## GRAPHS

