



# CONSTRUCTION EQUIPMENT

## VOLVO EC480E 314844 - LEFT SWING DRIVE



**Sample No:** VCP398427  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP398427</b>	VCP390758	---	---
Sample Date	<b>04 Dec 2023</b>	14 Oct 2022	---	---
Machine Hours	<b>2613</b>	528	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>178</b>	167	---	---
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### CONTAMINATION

Water	%	<b>▲ 0.397</b>	NEG	---	---
Silicon	ppm	<b>51</b>	26	---	---
Sodium	ppm	<b>0</b>	0	---	---
Potassium	ppm	<b>2</b>	0	---	---



### WEAR METALS

Iron	ppm	<b>▲ 1218</b>	356	---	---
Copper	ppm	<b>34</b>	10	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>3</b>	2	---	---
Chromium	ppm	<b>▲ 14</b>	5	---	---
Molybdenum	ppm	<b>2</b>	<1	---	---
Nickel	ppm	<b>1</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>13</b>	5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>22</b>	12	---	---
Magnesium	ppm	<b>3</b>	<1	---	---
Zinc	ppm	<b>61</b>	11	---	---
Phosphorus	ppm	<b>429</b>	327	---	---
Barium	ppm	<b>0</b>	4	---	---
Boron	ppm	<b>0</b>	0	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 10777034  
**Signed:** Jonathan Hester  
**Report Date:** 12 Dec 2023



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## GRAPHS

