



# CONSTRUCTION EQUIPMENT

## 362922 VOLVO EC480EL 314867 - LEFT SWING DRIVE



**Sample No:** VCP432614  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 362922



**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:

T:  
 F:



### SAMPLE INFORMATION

Sample Number	<b>VCP432614</b>	VCP420309	VCP411096	---
Sample Date	<b>14 Sep 2023</b>	02 May 2023	02 Mar 2023	---
Machine Hours	<b>3020</b>	2180	1846	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	N/A	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>166</b>	173	173	---
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### CONTAMINATION

Silicon	ppm	<b>17</b>	20	13	---
Sodium	ppm	<b>3</b>	0	0	---
Potassium	ppm	<b>&lt;1</b>	1	<1	---



### WEAR METALS

Iron	ppm	<b>502</b>	338	254	---
Copper	ppm	<b>16</b>	25	18	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>3</b>	<1	<1	---
Chromium	ppm	<b>6</b>	6	2	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>6</b>	5	2	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>12</b>	12	25	---
Magnesium	ppm	<b>0</b>	<1	0	---
Zinc	ppm	<b>0</b>	26	26	---
Phosphorus	ppm	<b>378</b>	377	313	---
Barium	ppm	<b>0</b>	0	4	---
Boron	ppm	<b>3</b>	6	0	---

### Diagnosis

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

**Depot:** CALEAS  
**Unique No:** 10655616  
**Signed:** Sean Felton  
**Report Date:** 20 Sep 2023



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## GRAPHS

