



# CONSTRUCTION EQUIPMENT

## 333969 SUPERIOR CONS VOLVO EC480EL 314599 - LEFT SWING DRIVE



**Sample No:** VCP410346  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 333969 SUPERIOR CONS



### SAMPLE INFORMATION

Sample Number	VCP410346	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	2481	---	---	---
Oil Hours	2481	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 190	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 38	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---



### WEAR METALS

Iron	ppm	● 5235	---	---	---
Copper	ppm	█ 31	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	● 55	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 46	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 35	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 35	---	---	---
Phosphorus	ppm	█ 276	---	---	---
Barium	ppm	█ 8	---	---	---
Boron	ppm	█ 3	---	---	---

### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Component wear metal level(s) high for break in. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO0093  
**Unique No:** 10642015  
**Signed:** Don Baldrige  
**Report Date:** 12 Sep 2023



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## GRAPHS

