



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 31110 - 1 SWING DRIVE



**Sample No:** VCP411085  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP411085	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	5730	---	---	---
Oil Hours	5730	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 40°C	cSt	█ 203	---	---	---
-------------	-----	-------	-----	-----	-----



### CONTAMINATION

Water	%	▲ 0.489	---	---	---
Silicon	ppm	█ 35	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



### WEAR METALS

Iron	ppm	● 4245	---	---	---
Copper	ppm	█ 42	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	● 43	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 34	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 22	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 8	---	---	---
Phosphorus	ppm	█ 285	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

### Diagnosis

We advise that you check for the source of water entry. 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. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO0090  
**Unique No:** 10655608  
**Signed:** Jonathan Hester  
**Report Date:** 20 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

