



# CONSTRUCTION EQUIPMENT

## VOLVO EC300EL 314178 - SWING DRIVE



**Sample No:** VCP443325  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP443325	---	---	---
Sample Date	12 Jul 2024	---	---	---
Machine Hours	2843	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
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	■ 177	---	---	---
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### CONTAMINATION

Water	%	▲ 0.131	---	---	---
Silicon	ppm	■ 19	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 3	---	---	---



### WEAR METALS

Iron	ppm	▲ 2190	---	---	---
Copper	ppm	▲ 221	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	▲ 25	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 30	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 0	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 144	---	---	---
Phosphorus	ppm	■ 490	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. There is a trace of moisture present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO0090  
**Unique No:** 11125331  
**Signed:** Jonathan Hester  
**Report Date:** 19 Jul 2024



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## GRAPHS

