



# CONSTRUCTION EQUIPMENT

## VOLVO EC300E 312689 - SWING DRIVE



**Sample No:** VCP408821  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP408821	---	---	---
Sample Date	22 May 2023	---	---	---
Machine Hours	4000	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**McClung-Logan Virginia LLC**  
 2025 COOK DRIVE  
 SALEM, VA  
 US 24153  
 Contact: CHRIS BLANKENSHIP  
 cblankenship@mcclung-logan.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 198	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 45	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---

### WEAR METALS

Iron	ppm	● 4577	---	---	---
Copper	ppm	▲ 88	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	● 58	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 48	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 17	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 47	---	---	---
Phosphorus	ppm	█ 728	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

**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. Gear wear is indicated. Bearing and/or bushing wear is indicated. 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:** VOLVO9010  
**Unique No:** 10484519  
**Signed:** Don Baldrige  
**Report Date:** 25 May 2023



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## GRAPHS

