



# CONSTRUCTION EQUIPMENT

687011 VOLVO EC200EL 314968 - SWING DRIVE



**Sample No:** VCP438346  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 687011



## SAMPLE INFORMATION

Sample Number	VCP438346	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	554	---	---	---
Oil Hours	554	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rtturner@ripatampa.com



## OIL CONDITION

Visc @ 40°C	cSt	█ 178	---	---	---
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T:  
F:



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 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.



## WEAR METALS

Iron	ppm	█ 180	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 6	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 18	---	---	---
Phosphorus	ppm	█ 407	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 2	---	---	---

**Depot:** RIPTAM  
**Unique No:** 10976307  
**Signed:** Don Baldrige  
**Report Date:** 15 Apr 2024



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## GRAPHS

