



# CONSTRUCTION EQUIPMENT

RS0034438 VOLVO EC200EL 314612 - SWING DRIVE



**Sample No:** VCP422108  
**Oil Type:** COWIN 80W90  
**Job No:** RS0034438



## SAMPLE INFORMATION

Sample Number	VCP422108	---	---	---
Sample Date	21 Jun 2023	---	---	---
Machine Hours	855	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534

Contact: HUGH DOBBS  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 173	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 173	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	11	---	---	---
Phosphorus	ppm	338	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	0	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLV08247  
**Unique No:** 10538577  
**Signed:** Don Baldrige  
**Report Date:** 04 Jul 2023



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## GRAPHS

