



# CONSTRUCTION EQUIPMENT

RSO035103 VOLVO EC220E 314777 - SWING DRIVE



**Sample No:** VCP415177  
**Oil Type:** COWIN 80W90  
**Job No:** RSO035103



**COWIN EQUIPMENT COMPANY**  
7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534  
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## SAMPLE INFORMATION

Sample Number	VCP415177	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	874	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

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

Water	%	█ 0.178	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 367	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	19	---	---	---
Phosphorus	ppm	359	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8247  
**Unique No:** 10616428  
**Signed:** Wes Davis  
**Report Date:** 23 Aug 2023



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## GRAPHS

