



CONSTRUCTION EQUIPMENT

SWO 064468 VOLVO EC200EL 314424 - SWING DRIVE



Sample No: VCP426962
Oil Type: COWIN 80W90
Job No: SWO 064468



SAMPLE INFORMATION

Sample Number	VCP426962	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1995	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
PENSACOLA, FL
US 32534

Contact: HUGH DOBBS
HDOBBS@COWIN.COM
T: (850)479-3004
F: (850)474-1602



OIL CONDITION

Visc @ 40°C	cSt	■ 248	---	---	---
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CONTAMINATION

Silicon	ppm	■ 57	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	● 12063	---	---	---
Copper	ppm	▲ 88	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 18	---	---	---
Chromium	ppm	● 101	---	---	---
Molybdenum	ppm	■ 24	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	■ 3	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 116	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 11	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 62	---	---	---
Phosphorus	ppm	■ 720	---	---	---
Barium	ppm	■ 6	---	---	---
Boron	ppm	■ 9	---	---	---

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. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLV08247
Unique No: 10603725
Signed: Doug Bogart
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

