



CONSTRUCTION EQUIPMENT

SWO 064468 VOLVO EC200EL 314424 - REAR RIGHT FINAL DRIVE



Sample No: VCP426963
Oil Type: COWIN 80W90
Job No: SWO 064468



SAMPLE INFORMATION

Sample Number	VCP426963	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1995	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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	█ 166	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 97	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 507	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	14	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	74	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLV08247
Unique No: 10603723
Signed: Doug Bogart
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

