



CONSTRUCTION EQUIPMENT

RS0034438 VOLVO EC200EL 314612 - REAR LEFT FINAL DRIVE



Sample No: VCP421009
Oil Type: COWIN 80W90
Job No: RS0034438



SAMPLE INFORMATION

Sample Number	VCP421009	---	---	---
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
HDOBBS@COWIN.COM
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OIL CONDITION

Visc @ 40°C	cSt	█ 170	---	---	---
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CONTAMINATION

Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 8	---	---	---



WEAR METALS

Iron	ppm	▲ 740	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	14	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	297	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other metal levels are typical for a new component breaking in. 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: 10538579
Signed: Don Baldrige
Report Date: 04 Jul 2023



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GRAPHS

