



CONSTRUCTION EQUIPMENT

RSO-031233 VOLVO EC250EL 3 10558 - REAR LEFT FINAL DRIVE



Sample No: VCP356806

Oil Type: NOT GIVEN

Job No: RSO-031233



SAMPLE INFORMATION

Sample Number	VCP356806	---	---	---
Sample Date	11 Aug 2022	---	---	---
Machine Hours	3179	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY
 BIRMINGHAM, AL
 US 35217
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OIL CONDITION

Visc @ 40°C	cSt	■ 319	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 451	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 15	---	---	---

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	◆ 1627	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 130	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	10	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	15	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	30	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	16	---	---	---
Phosphorus	ppm	971	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	133	---	---	---

Depot: VOLV08528
Unique No: 10091861
Signed: Doug Bogart
Report Date: 17 Aug 2022



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GRAPHS

