



CONSTRUCTION EQUIPMENT

X58866 VOLVO EC250DL 210174 - REAR RIGHT FINAL DRIVE



Sample No: VCP426008
Oil Type: NOT GIVEN
Job No: X58866



SAMPLE INFORMATION

Sample Number	VCP426008	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	10110	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 373	---	---	---
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CONTAMINATION

Silicon	ppm	● 511	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 20	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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 and wear.



WEAR METALS

Iron	ppm	● 3690	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 6	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 95	---	---	---
Chromium	ppm	● 30	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	26	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	202	---	---	---
Magnesium	ppm	22	---	---	---
Zinc	ppm	32	---	---	---
Phosphorus	ppm	960	---	---	---
Barium	ppm	10	---	---	---
Boron	ppm	150	---	---	---

Depot: SCOSAI
Unique No: 10749064
Signed: Doug Bogart
Report Date: 19 Nov 2023



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GRAPHS

