



CONSTRUCTION EQUIPMENT

X59174 S RECYCLING VOLVO EC250EL 314100 - BOGIE/CENTER AXLE



Sample No: VCP440831
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: X59174 S RECYCLING



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SAMPLE INFORMATION

Sample Number	VCP440831	---	---	---
Sample Date	01 Feb 2024	---	---	---
Machine Hours	3516	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 339	---	---	---
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CONTAMINATION

Water	%	▲ 0.202	---	---	---
Silicon	ppm	▲ 224	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 13	---	---	---



WEAR METALS

Iron	ppm	▲ 1319	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 45	---	---	---
Chromium	ppm	▲ 19	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 269	---	---	---
Magnesium	ppm	■ 23	---	---	---
Zinc	ppm	44	---	---	---
Phosphorus	ppm	■ 1085	---	---	---
Barium	ppm	■ 9	---	---	---
Boron	ppm	■ 138	---	---	---

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 levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: SCOSAI
Unique No: 10870300
Signed: Sean Felton
Report Date: 09 Feb 2024



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GRAPHS

