



CONSTRUCTION EQUIPMENT

SPM621864 VOLVO EC300EL 312535 - REAR RIGHT FINAL DRIVE



Sample No: VCP433445
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621864



SAMPLE INFORMATION

Sample Number	VCP433445	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	3045	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

BELSON STEEL

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 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 187	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 167	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 12	---	---	---



WEAR METALS

Iron	ppm	▲ 747	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 30	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	▲ 2518	---	---	---
Magnesium	ppm	█ 62	---	---	---
Zinc	ppm	▲ 875	---	---	---
Phosphorus	ppm	█ 788	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: BELBOU
Unique No: 10751925
Signed: Jonathan Hester
Report Date: 22 Nov 2023



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VOLVO GRAPHS

