



CONSTRUCTION EQUIPMENT

687032 RENTALS TB290 185109863 - REAR LEFT FINAL DRIVE



Sample No: VCP438369
Oil Type: GEAR OIL SAE 80W90
Job No: 687032 RENTALS



SAMPLE INFORMATION

Sample Number	VCP438369	---	---	---
Sample Date	06 Mar 2024	---	---	---
Machine Hours	1029	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 186	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 93	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 18	---	---	---

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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 654	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 18	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 14	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 87	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 97	---	---	---
Phosphorus	ppm	■ 494	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 55	---	---	---

Depot: VOLVO0093
Unique No: 10941419
Signed: Sean Felton
Report Date: 27 Mar 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

