



# CONSTRUCTION EQUIPMENT

## SW-20672 4 VOLVO EC290B 12574 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP418596  
**Oil Type:** NOT GIVEN  
**Job No:** SW-20672 4



### SAMPLE INFORMATION

Sample Number	VCP418596	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	5592	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	287	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 2083	---	---	---
Sodium	ppm	■ 37	---	---	---
Potassium	ppm	■ 100	---	---	---

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



### WEAR METALS

Iron	ppm	▲ 3277	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 228	---	---	---
Chromium	ppm	▲ 51	---	---	---
Molybdenum	ppm	6	---	---	---
Nickel	ppm	▲ 8	---	---	---
Titanium	ppm	■ 15	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	29	---	---	---
Vanadium	ppm	1	---	---	---



### ADDITIVES

Calcium	ppm	405	---	---	---
Magnesium	ppm	66	---	---	---
Zinc	ppm	29	---	---	---
Phosphorus	ppm	982	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	252	---	---	---

**Depot:** VOLVO8770  
**Unique No:** 10606827  
**Signed:** Jonathan Hester  
**Report Date:** 18 Aug 2023



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## GRAPHS

