



CONSTRUCTION EQUIPMENT

SW-20672 4 VOLVO EC290B 12574 - REAR LEFT FINAL DRIVE



Sample No: VCP418982

Oil Type: NOT GIVEN

Job No: SW-20672 4



SAMPLE INFORMATION

Sample Number	VCP418982	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	5592	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119

Contact: TJ LARK
tlark@arnoldmachinery.com
T: (801)972-4000
F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	■ 313	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 2164	---	---	---
Sodium	ppm	■ 30	---	---	---
Potassium	ppm	■ 90	---	---	---



WEAR METALS

Iron	ppm	▲ 3761	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 231	---	---	---
Chromium	ppm	▲ 57	---	---	---
Molybdenum	ppm	7	---	---	---
Nickel	ppm	▲ 10	---	---	---
Titanium	ppm	■ 14	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	30	---	---	---
Vanadium	ppm	1	---	---	---



ADDITIVES

Calcium	ppm	350	---	---	---
Magnesium	ppm	59	---	---	---
Zinc	ppm	24	---	---	---
Phosphorus	ppm	979	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	262	---	---	---

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.

Depot: VOLVO8770
Unique No: 10606828
Signed: Jonathan Hester
Report Date: 18 Aug 2023



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GRAPHS

