



CONSTRUCTION EQUIPMENT

306038-20 ELITE BLDR VOLVO ECR145EL 311383 - FRONT LEFT FINAL DRIVE



Sample No: VCP418844
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 306038-20 ELITE BLDR



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP418844	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	912	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	142	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 197	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 19	---	---	---



WEAR METALS

Iron	ppm	▲ 689	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 40	---	---	---
Chromium	ppm	▲ 10	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 4	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 23	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 12	---	---	---
Phosphorus	ppm	■ 137	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

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.

Depot: VOLVO0093
Unique No: 10561637
Signed: Jonathan Hester
Report Date: 20 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

