



CONSTRUCTION EQUIPMENT

SW-28850-2 FX CONSTR VOLVO EC300EL 314006 - REAR RIGHT FINAL DRIVE



Sample No: VCP438075
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-28850-2 FX CONSTR



ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



SAMPLE INFORMATION

Sample Number	VCP438075	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	2483	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 118	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 84	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 9	---	---	---



WEAR METALS

Iron	ppm	█ 306	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 29	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 14	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 8	---	---	---
Phosphorus	ppm	█ 474	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 0	---	---	---

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. All component wear rates are normal. 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: 10849962
Signed: Don Baldrige
Report Date: 31 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

