



CONSTRUCTION EQUIPMENT

SAGER EXC VOLVO EC380E 314058 - FRONT RIGHT FINAL DRIVE



Sample No: VCP314675
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SAGER EXC



367 - ASCENDUM MACHINERY INC - BUFORD
 3779 RYDER BLVD
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SAMPLE INFORMATION

Sample Number	VCP314675	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	4904	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 600.6	---	---	---
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CONTAMINATION

Water	%	▲ 0.832	---	---	---
Silicon	ppm	● 3146	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 31	---	---	---



WEAR METALS

Iron	ppm	● 10000	---	---	---
Copper	ppm	■ 27	---	---	---
Lead	ppm	■ 19	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 306	---	---	---
Chromium	ppm	● 98	---	---	---
Molybdenum	ppm	■ 15	---	---	---
Nickel	ppm	▲ 12	---	---	---
Titanium	ppm	▲ 40	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 78	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	■ 75	---	---	---
Magnesium	ppm	■ 26	---	---	---
Zinc	ppm	■ 25	---	---	---
Phosphorus	ppm	■ 715	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 82	---	---	---

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. High concentration of visible metal present. There is a moderate concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Depot: VOLVO8529
Unique No: 10619272
Signed: Doug Bogart
Report Date: 24 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

