



CONSTRUCTION EQUIPMENT

X39725 VOLVO EC380EL 311913 - REAR RIGHT FINAL DRIVE



Sample No: VCP340394

Oil Type: VOLVO

Job No: X39725



SAMPLE INFORMATION

Sample Number	VCP340394	---	---	---
Sample Date	23 Jun 2022	---	---	---
Machine Hours	4252	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 161	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 381	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 20	---	---	---



WEAR METALS

Iron	ppm	▲ 2109	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 81	---	---	---
Chromium	ppm	▲ 35	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	124	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	23	---	---	---
Phosphorus	ppm	849	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	91	---	---	---

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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0129
Unique No: 10032403
Signed: Don Baldrige
Report Date: 28 Jun 2022



CONSTRUCTION EQUIPMENT



GRAPHS

