



CONSTRUCTION EQUIPMENT

G07478 VOLVO EC380 314211 - FRONT RIGHT FINAL DRIVE



Sample No: VCP409827

Oil Type: NOT GIVEN

Job No: G07478



SAMPLE INFORMATION

Sample Number	VCP409827	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	4109	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 152	---	---	---
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CONTAMINATION

Water	%	◆ 3.93	---	---	---
Silicon	ppm	◆ 423	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 16	---	---	---



WEAR METALS

Iron	ppm	▲ 1496	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 90	---	---	---
Chromium	ppm	▲ 22	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	151	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	51	---	---	---
Phosphorus	ppm	1002	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	168	---	---	---



HOFFMAN EQUIPMENT - DEPTFORD

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Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. 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. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8880

Unique No: 10552849

Signed: Don Baldrige

Report Date: 14 Jul 2023



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GRAPHS

