



CONSTRUCTION EQUIPMENT

RS0036629 VOLVO A30G 752053 - WET DISC BRAKE



Sample No: VCP430888
Oil Type: VOLVO WB 102
Job No: RS0036629



SAMPLE INFORMATION

Sample Number	VCP430888	VCP346898	---	---
Sample Date	09 Jan 2024	31 Jan 2022	---	---
Machine Hours	4956	2189	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
PENSACOLA, FL
US 32534

Contact: HUGH DOBBS
HDOBBS@COWIN.COM
T: (850)479-3004
F: (850)474-1602



OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	█ 43.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 12	█ 18	---	---
Sodium	ppm	█ 0	█ 9	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

Iron	ppm	█ 14	█ 17	---	---
Copper	ppm	▲ 112	▲ 121	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 6	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3583	█ 3664	---	---
Magnesium	ppm	█ 12	█ 17	---	---
Zinc	ppm	█ 1548	█ 1453	---	---
Phosphorus	ppm	█ 1351	█ 1228	---	---
Barium	ppm	█ 3	█ 0	---	---
Boron	ppm	█ 128	█ 113	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLV08247
Unique No: 10834521
Signed: Sean Felton
Report Date: 19 Jan 2024



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GRAPHS

