



CONSTRUCTION EQUIPMENT

661511 PRIMORIS VOLVO A40G 352782 - BRAKE COOLING SYSTEM



Sample No: VCP440030
Oil Type: VOLVO WB 102
Job No: 661511 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP440030	VCP411098	---	---
Sample Date	29 Jan 2024	28 Apr 2023	---	---
Machine Hours	4045	3507	---	---
Oil Hours	4045	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.4	█ 40.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 24	█ 20	---	---
Sodium	ppm	█ 12	█ 10	---	---
Potassium	ppm	█ 2	█ <1	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter 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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 27	█ 22	---	---
Copper	ppm	▲ 316	▲ 253	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 8	█ 6	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3491	█ 3383	---	---
Magnesium	ppm	█ 9	█ 12	---	---
Zinc	ppm	█ 1555	█ 1479	---	---
Phosphorus	ppm	█ 1181	█ 1259	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 108	█ 109	---	---

Depot: VOLVO0093
Unique No: 10901562
Signed: Sean Felton
Report Date: 01 Mar 2024



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GRAPHS

