



CONSTRUCTION EQUIPMENT

2585-1 VOLVO A40F 12184 - BRAKE COOLING SYSTEM



Sample No: VCP408341
Oil Type: VOLVO WB 101
Job No: 2585-1



SAMPLE INFORMATION

Sample Number	VCP408341	---	---	---
Sample Date	04 Aug 2023	---	---	---
Machine Hours	6925	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

MCCLUNG LOGAN

17941 SUSSEX HIGHWAY
 BRIDGEVILLE, DE
 US 19933

Contact: RANDY KING
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OIL CONDITION

Visc @ 40°C	cSt	■ 48.6	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 62	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	◆ 872	---	---	---
Copper	ppm	▲ 229	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 15	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 3317	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 1302	---	---	---
Phosphorus	ppm	■ 1163	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 87	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. The copper level is abnormal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO1023
Unique No: 10622874
Signed: Don Baldrige
Report Date: 30 Aug 2023



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VOLVO GRAPHS

