



CONSTRUCTION EQUIPMENT

SWA548546 VOLVO A25G 742077 - BRAKE COOLING SYSTEM



Sample No: VCP442222
Oil Type: {unknown}
Job No: SWA548546



SAMPLE INFORMATION

Sample Number	VCP442222	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	6024	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	---	---	---
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CONTAMINATION

Water	%	▲ 1.08	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	▲ 384	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3109	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1318	---	---	---
Phosphorus	ppm	1176	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	127	---	---	---

Diagnosis

We advise that you check for the source of water entry. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a high concentration of water present in the fluid. The fluid is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 11030528
Signed: Don Baldrige
Report Date: 16 May 2024

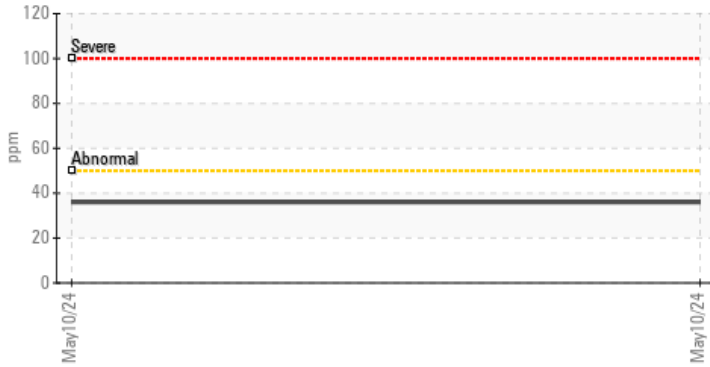


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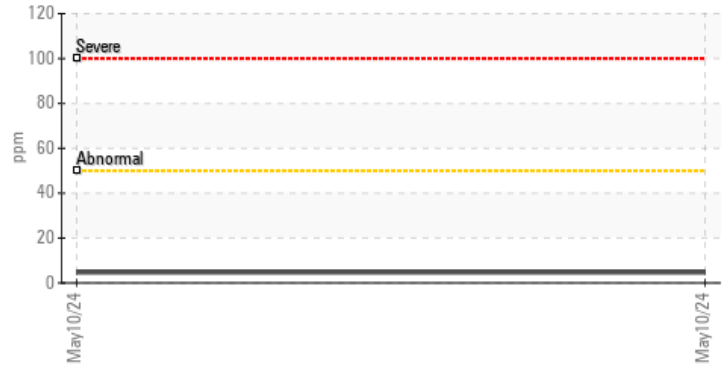


GRAPHS

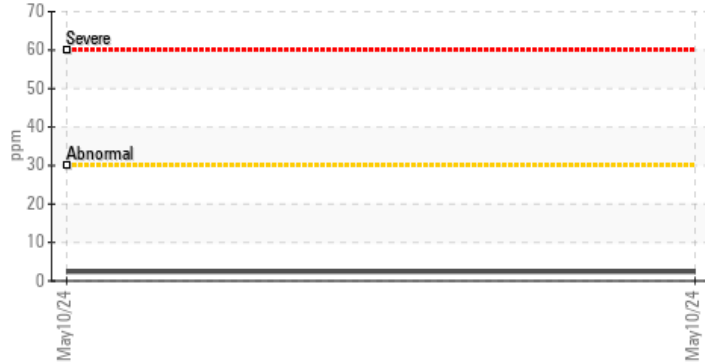
Iron (ppm)



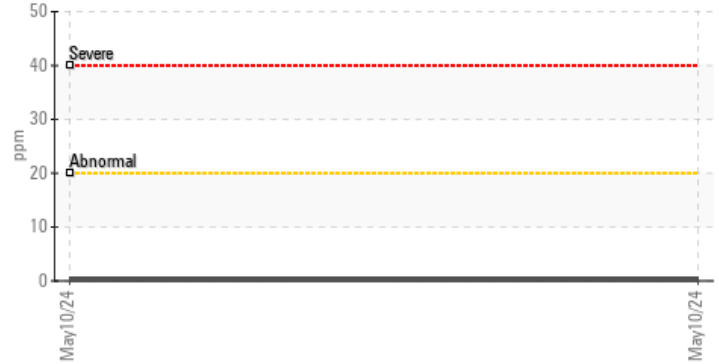
Lead (ppm)



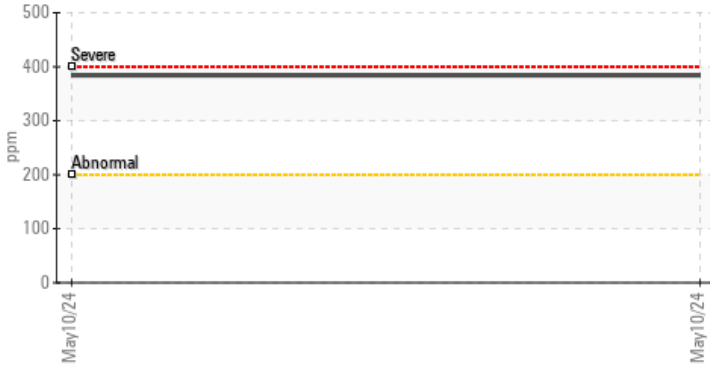
Aluminum (ppm)



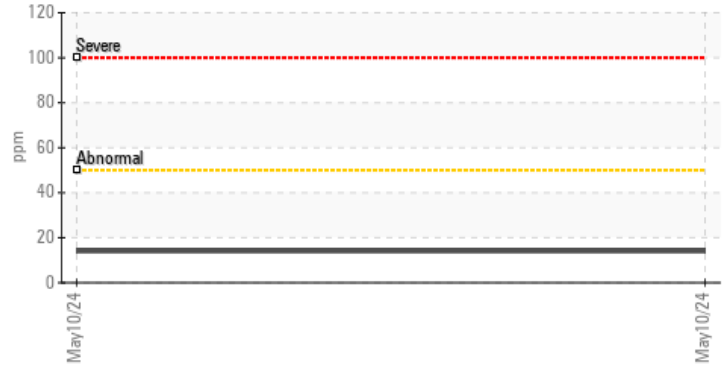
Chromium (ppm)



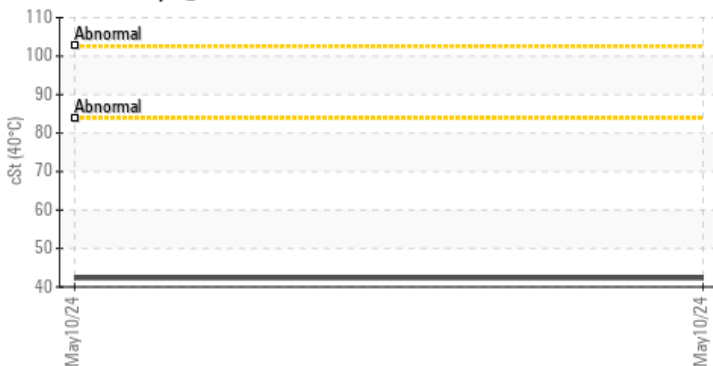
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



▲ Water

