



CONSTRUCTION EQUIPMENT

41850 VOLVO A40G 352912 - WET DISC BRAKE



Sample No: VCP453838
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 41850



SAMPLE INFORMATION

Sample Number	VCP453838	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	4094	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: TAMI BROWDER
 tami.browder@ascendummachinery.com
 T: (803)923-2138
 F: (803)791-9920



OIL CONDITION

Visc @ 40°C	cSt	█ 40.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 20	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	▲ 24	---	---	---
Copper	ppm	▲ 260	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3601	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 1575	---	---	---
Phosphorus	ppm	█ 1374	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 134	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Copper and iron ppm levels are abnormal. There is a moderate concentration of dirt present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0013
Unique No: 11056490
Signed: Angela Borella
Report Date: 31 May 2024

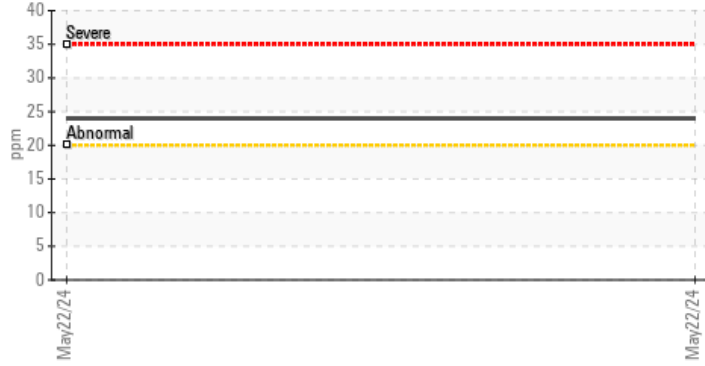


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GRAPHS

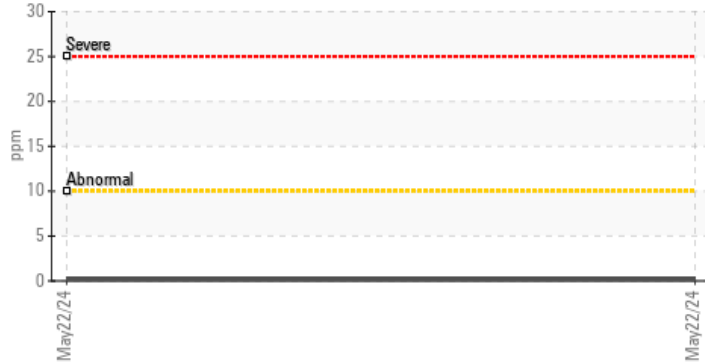
▲ Iron (ppm)



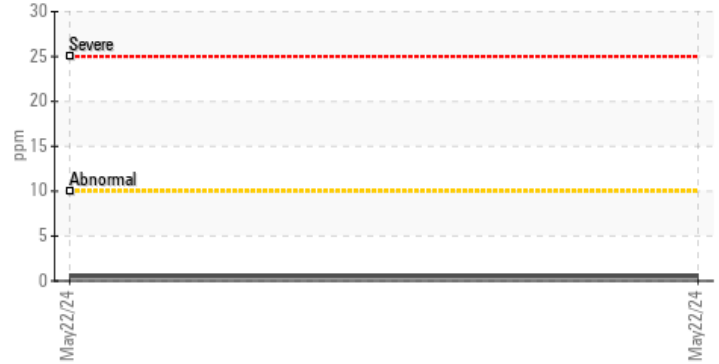
Lead (ppm)



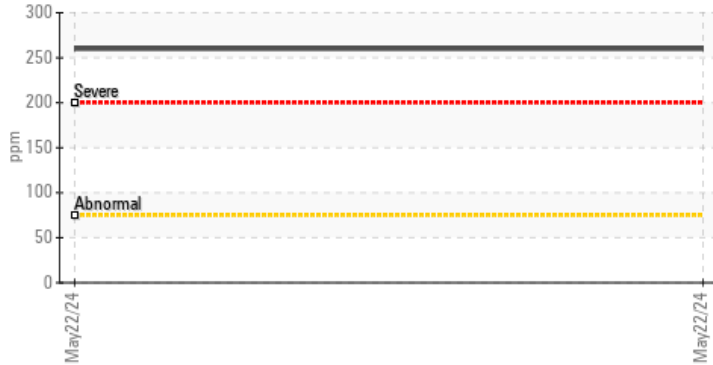
Aluminum (ppm)



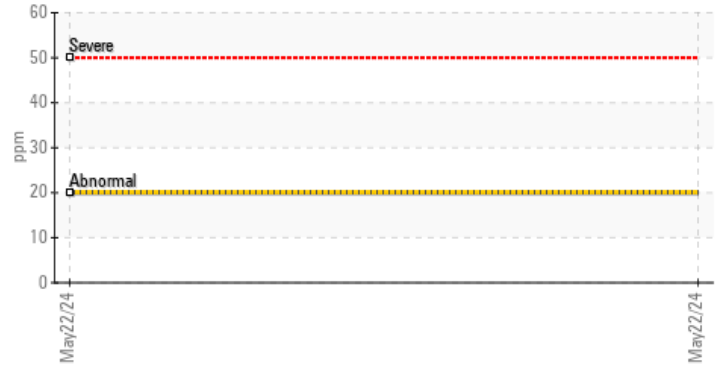
Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

