



CONSTRUCTION EQUIPMENT

RS0036754 VOLVO A30G 752104 - WET DISC BRAKE



Sample No: VCP428644
Oil Type: VOLVO WB 102
Job No: RS0036754



SAMPLE INFORMATION

Sample Number	VCP428644	VCP358373	---	---
Sample Date	31 Jan 2024	05 May 2022	---	---
Machine Hours	4113	1965	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

COWIN EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	■ 38.9	■ 38.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 18	■ 14	---	---
Sodium	ppm	■ 0	■ 4	---	---
Potassium	ppm	■ 4	■ 4	---	---



WEAR METALS

Iron	ppm	▲ 30	■ 15	---	---
Copper	ppm	▲ 526	▲ 337	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 1	■ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 3294	■ 3617	---	---
Magnesium	ppm	■ 4	■ 4	---	---
Zinc	ppm	■ 1408	■ 1504	---	---
Phosphorus	ppm	■ 1049	■ 1324	---	---
Barium	ppm	■ 7	■ 0	---	---
Boron	ppm	■ 105	■ 125	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is abnormal. The copper level is abnormal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8247
Unique No: 10863739
Signed: Jonathan Hester
Report Date: 08 Feb 2024

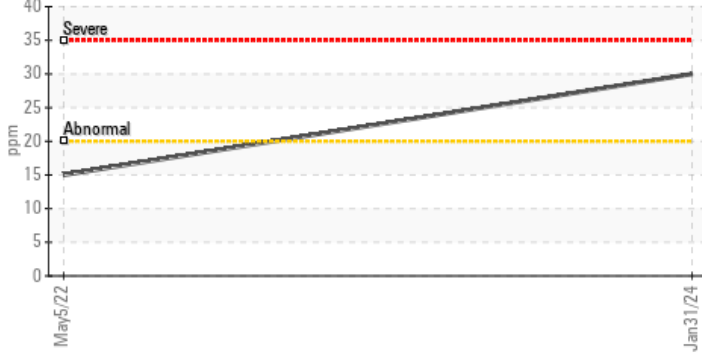


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VOLVO GRAPHS

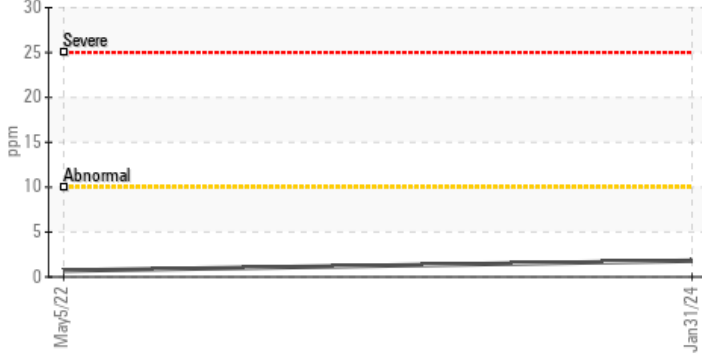
▲ Iron (ppm)



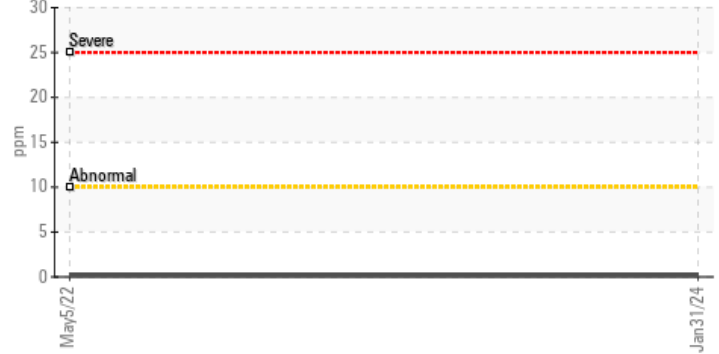
Lead (ppm)



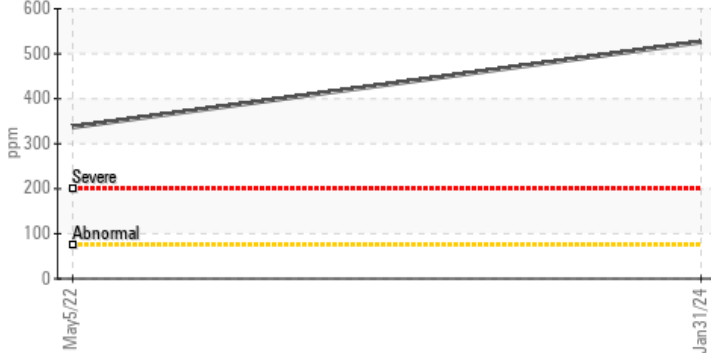
Aluminum (ppm)



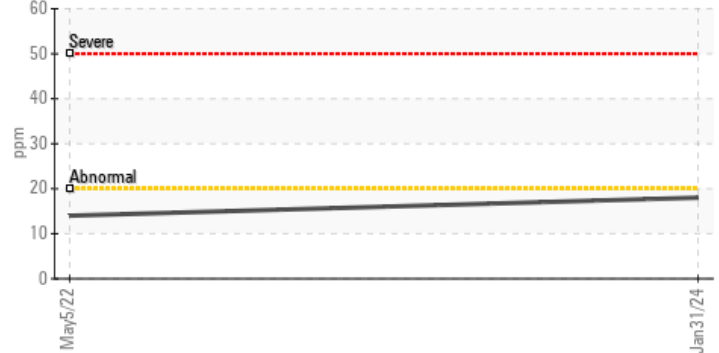
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

