



CONSTRUCTION EQUIPMENT

25456 VOLVO A45G 353374 - WET DISC BRAKE



Sample No: VCP422204
Oil Type: VOLVO WB 102
Job No: 25456



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SAMPLE INFORMATION

Sample Number	VCP422204	---	---	---
Sample Date	03 May 2024	---	---	---
Machine Hours	3912	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 74.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 22	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	▲ 50	---	---	---
Copper	ppm	■ 22	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 8	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2980	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 1329	---	---	---
Phosphorus	ppm	■ 1379	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 127	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is higher than normal.

Depot: VOLVO3387
Unique No: 11019028
Signed: Don Baldrige
Report Date: 10 May 2024

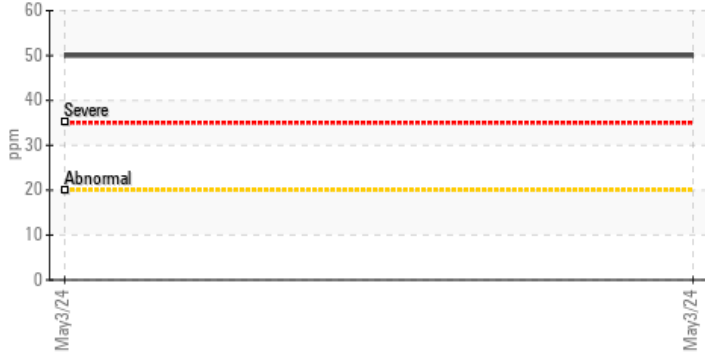


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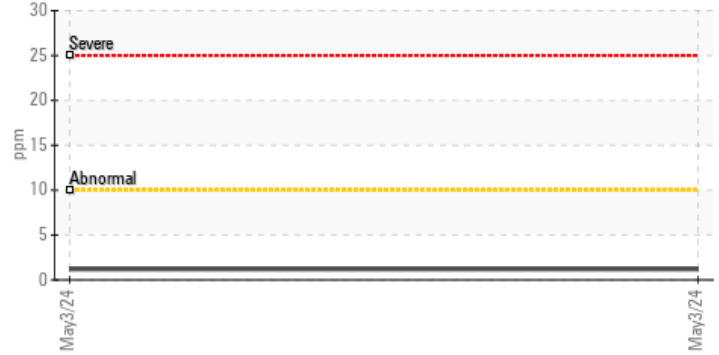


VOLVO GRAPHS

▲ Iron (ppm)



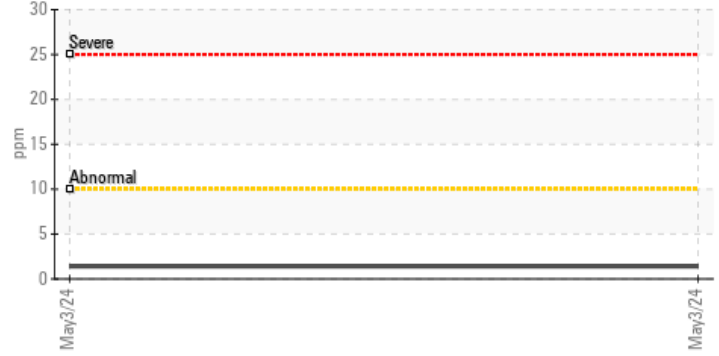
Lead (ppm)



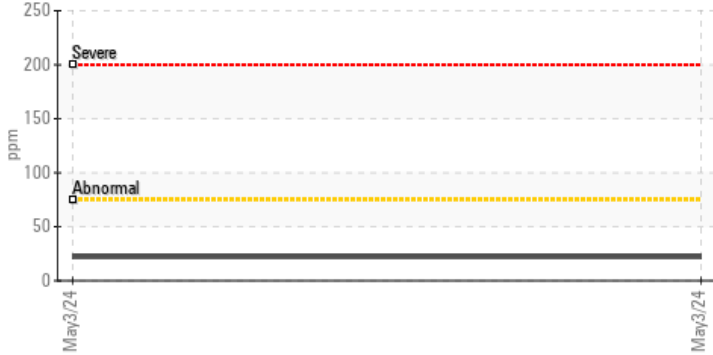
Aluminum (ppm)



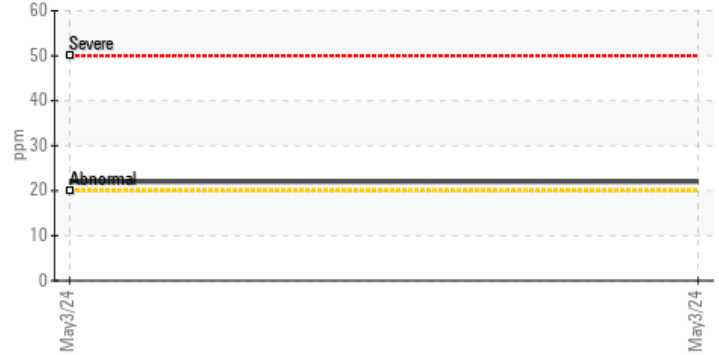
Chromium (ppm)



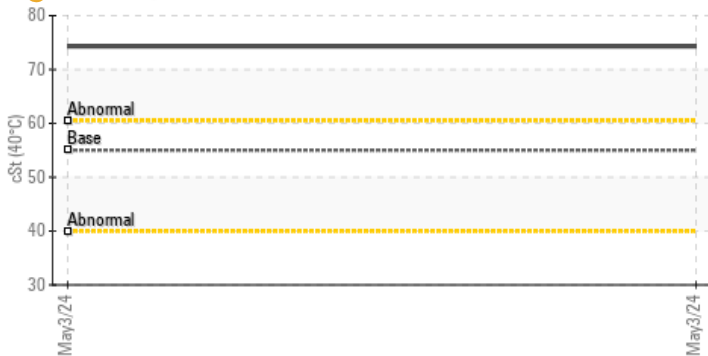
Copper (ppm)



▲ Silicon (ppm)



● Viscosity @ 40°C



Additives

