



CONSTRUCTION EQUIPMENT

25458 VOLVO A45G 342052 - WET DISC BRAKE



Sample No: VCP422218
Oil Type: VOLVO WB 102
Job No: 25458



SAMPLE INFORMATION

Sample Number	VCP422218	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	8114	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 NORTH CHARLESTON, SC
 US 29418
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 T:
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OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 34	---	---	---
Copper	ppm	▲ 156	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3527	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 1432	---	---	---
Phosphorus	ppm	█ 1292	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 112	---	---	---

Depot: VOLVO3387
Unique No: 11016397
Signed: Jonathan Hester
Report Date: 08 May 2024

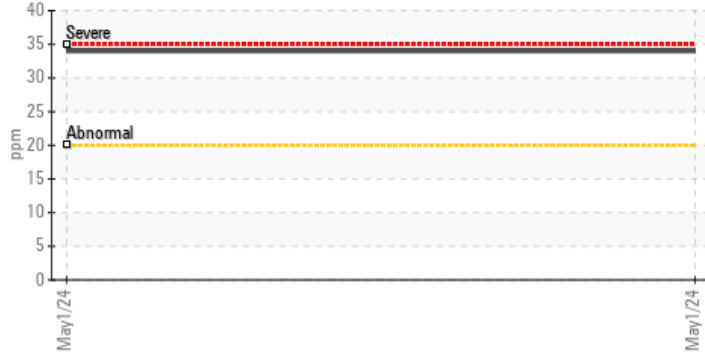


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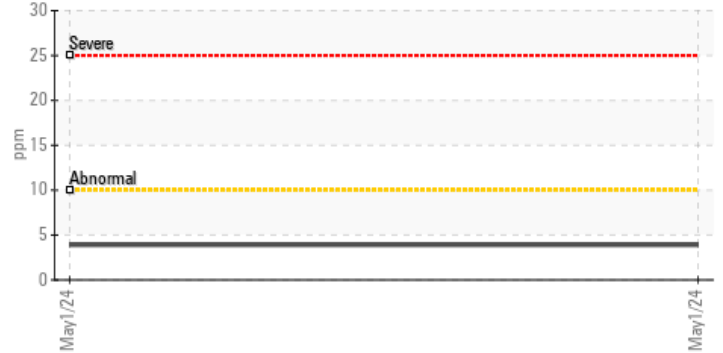


VOLVO GRAPHS

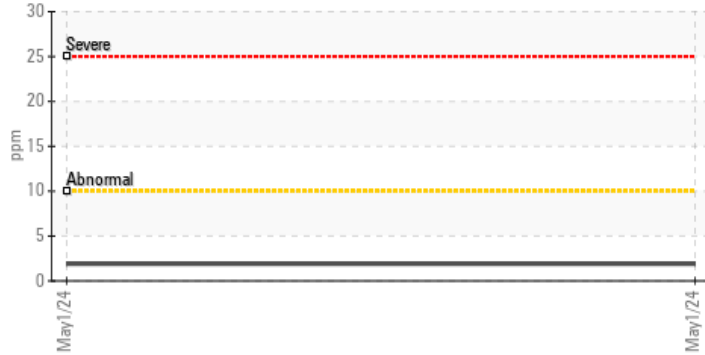
▲ Iron (ppm)



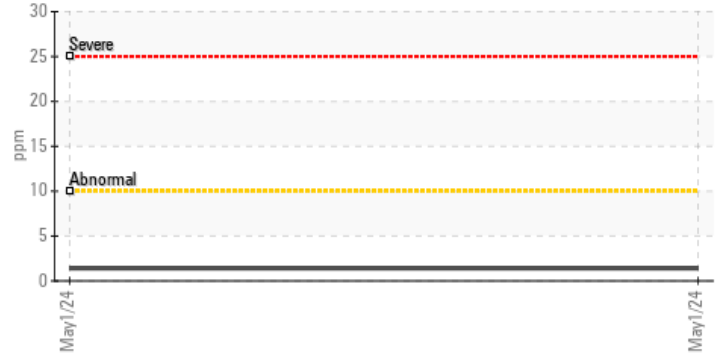
Lead (ppm)



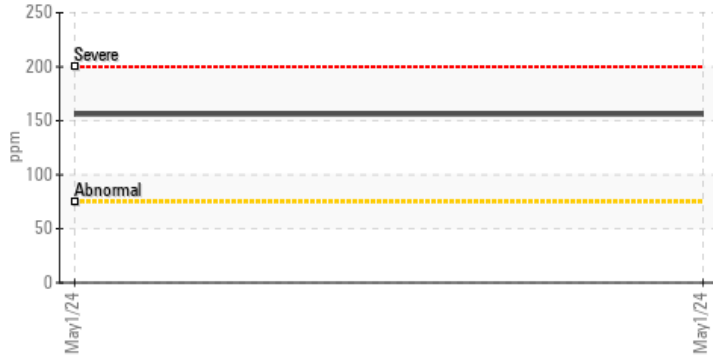
Aluminum (ppm)



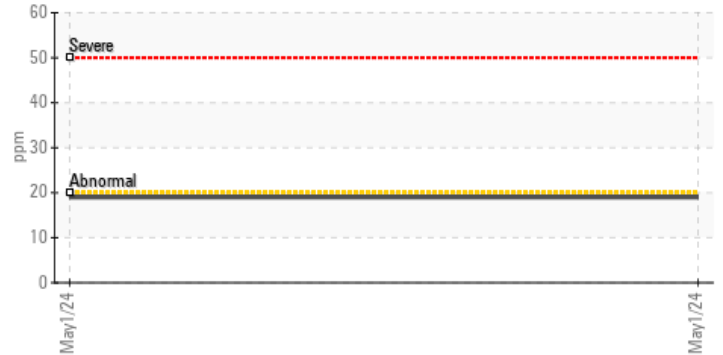
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

