



# CONSTRUCTION EQUIPMENT

SW0071176 VOLVO A45G 352734 - WET DISC BRAKE



**Sample No:** VCP388237  
**Oil Type:** VOLVO WB 101  
**Job No:** SWO071176



## SAMPLE INFORMATION

Sample Number	VCP388237	VCP345326	---	---
Sample Date	12 Apr 2024	23 Nov 2021	---	---
Machine Hours	4585	509	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	44.1	40.0	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 20	■ 17	---	---
Sodium	ppm	■ 8	■ 12	---	---
Potassium	ppm	■ 2	■ 1	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	▲ 41	■ 19	---	---
Copper	ppm	▲ 165	■ 26	---	---
Lead	ppm	■ 1	■ <1	---	---
Tin	ppm	■ 1	■ 0	---	---
Aluminum	ppm	■ 2	■ 0	---	---
Chromium	ppm	■ 2	■ <1	---	---
Molybdenum	ppm	■ 3	0	---	---
Nickel	ppm	■ 6	3	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	■ 3	<1	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	■ 3315	3953	---	---
Magnesium	ppm	■ 23	9	---	---
Zinc	ppm	■ 1432	1542	---	---
Phosphorus	ppm	■ 1322	1404	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 119	132	---	---

**Depot:** SAIBIR  
**Unique No:** 10982413  
**Signed:** Sean Felton  
**Report Date:** 22 Apr 2024

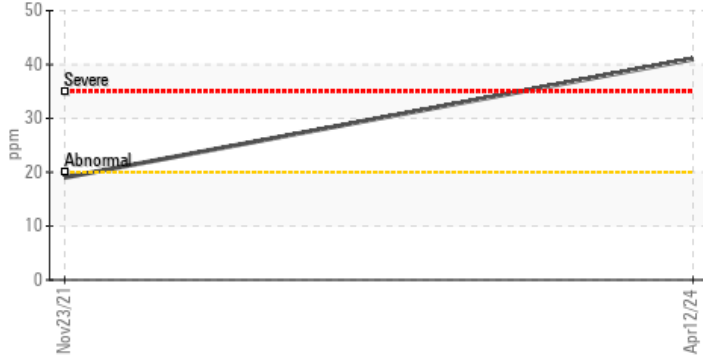


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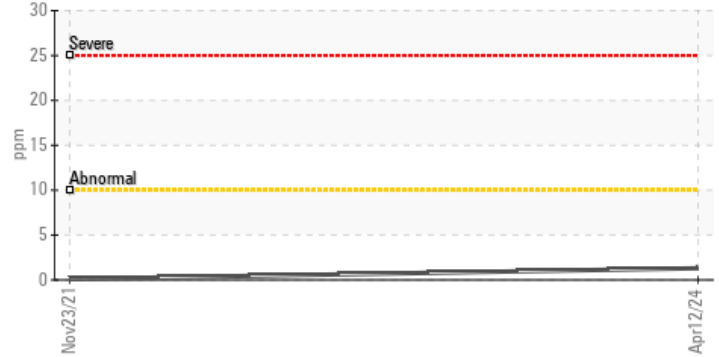


## GRAPHS

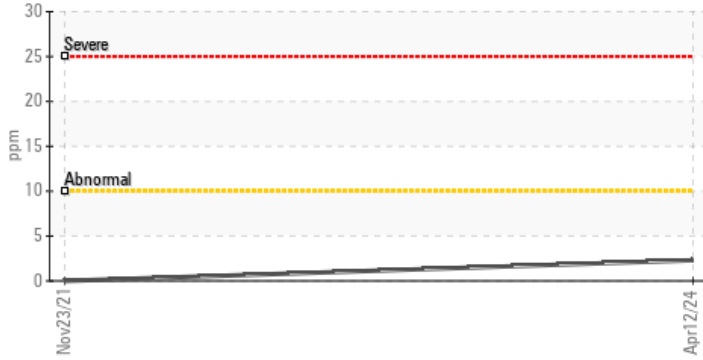
### ▲ Iron (ppm)



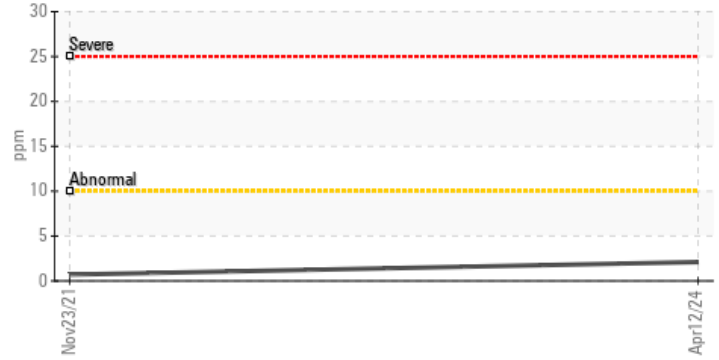
### Lead (ppm)



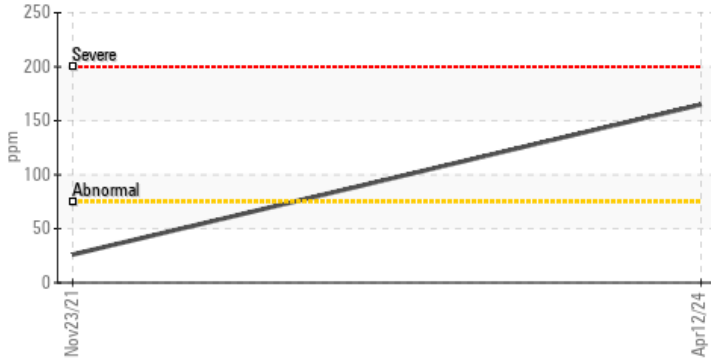
### Aluminum (ppm)



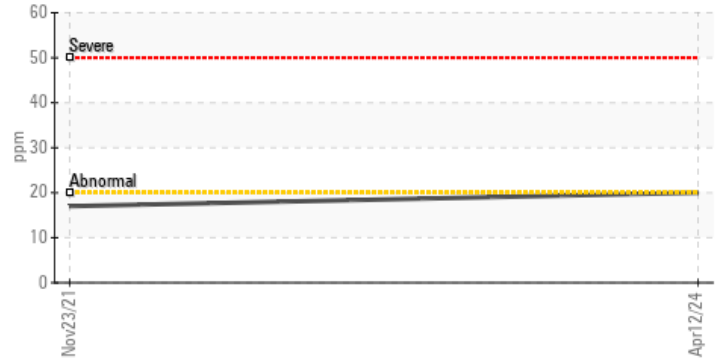
### Chromium (ppm)



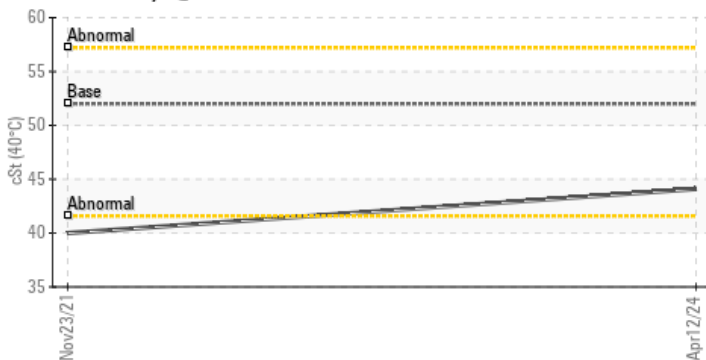
### ▲ Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

