



# CONSTRUCTION EQUIPMENT

## 25455 VOLVO A45 352887 - WET DISC BRAKE



**Sample No:** VCP422202  
**Oil Type:** VOLVO WB 102  
**Job No:** 25455



### SAMPLE INFORMATION

Sample Number	VCP422202	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	3781	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: ANN BRESCH  
 ann.bresch@ascendummachinery.com  
 T:  
 F: (843)414-1129



### OIL CONDITION

Visc @ 40°C	cSt	█ 40.6	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 25	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 4	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. The iron 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	▲ 48	---	---	---
Copper	ppm	▲ 217	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 7	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 3579	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 1511	---	---	---
Phosphorus	ppm	█ 1289	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 134	---	---	---

**Depot:** VOLVO3387  
**Unique No:** 11019027  
**Signed:** Don Baldrige  
**Report Date:** 10 May 2024

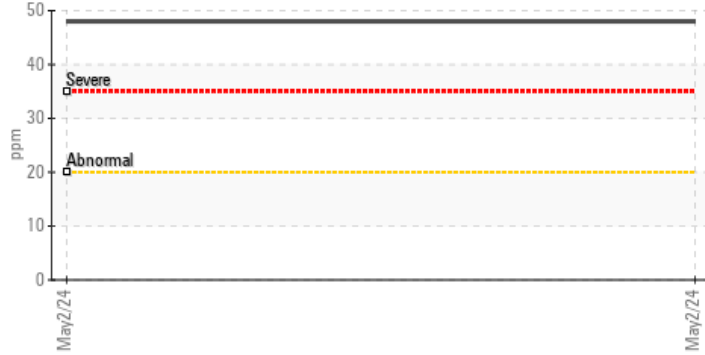


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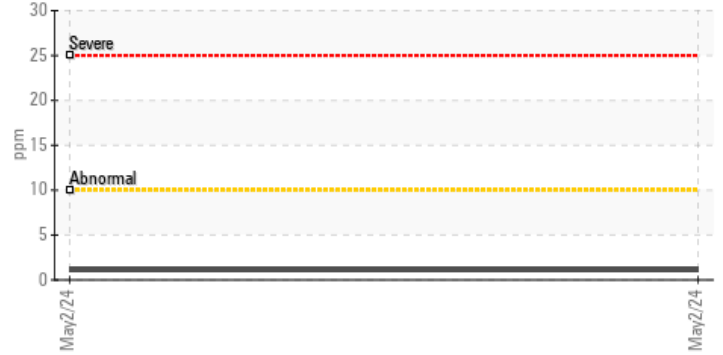


## VOLVO GRAPHS

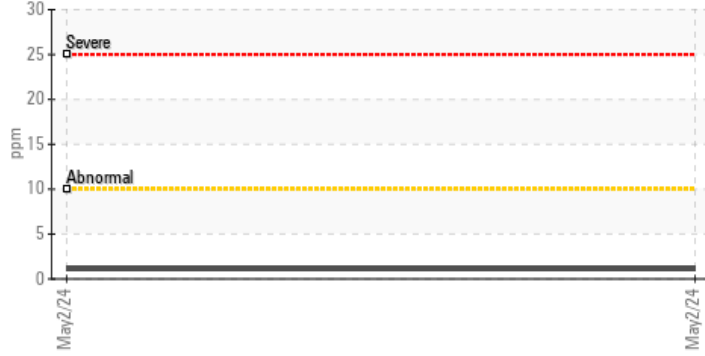
### ▲ Iron (ppm)



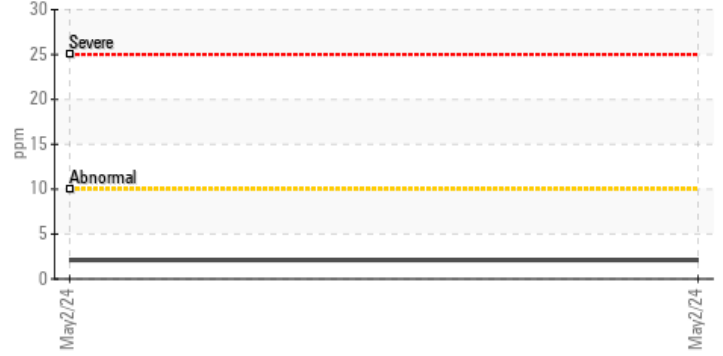
### Lead (ppm)



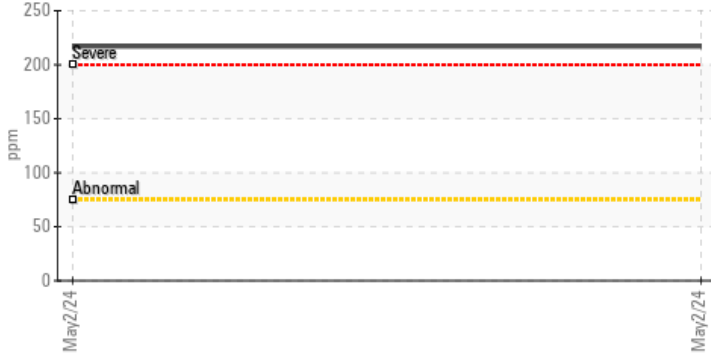
### Aluminum (ppm)



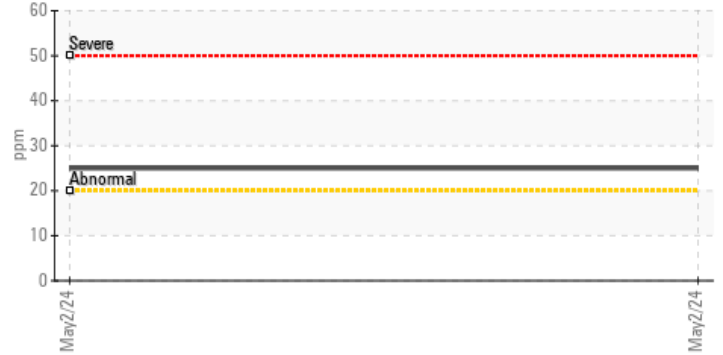
### Chromium (ppm)



### ▲ Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

