



# CONSTRUCTION EQUIPMENT

## 25457 VOLVO A45 353393 - WET DISC BRAKE



**Sample No:** VCP420618  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 25457



### SAMPLE INFORMATION

Sample Number	VCP420618	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	3956	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcham@ascendummachinery.com  
 T:  
 F: (843)414-1129



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.4	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	▲ 97	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 3263	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 1378	---	---	---
Phosphorus	ppm	█ 1359	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 107	---	---	---

### 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. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3387  
**Unique No:** 11005608  
**Signed:** Jonathan Hester  
**Report Date:** 03 May 2024

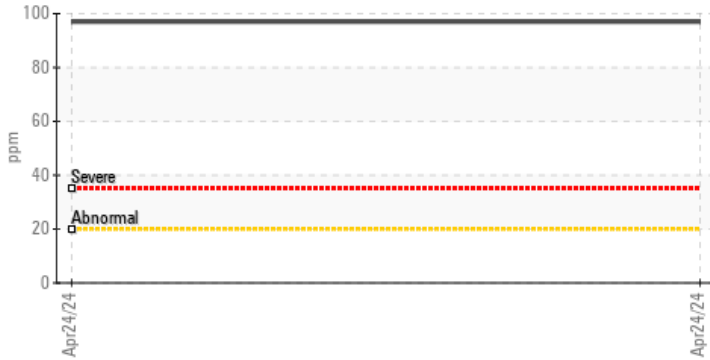


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## GRAPHS

### ▲ Iron (ppm)



### Lead (ppm)



### Aluminum (ppm)



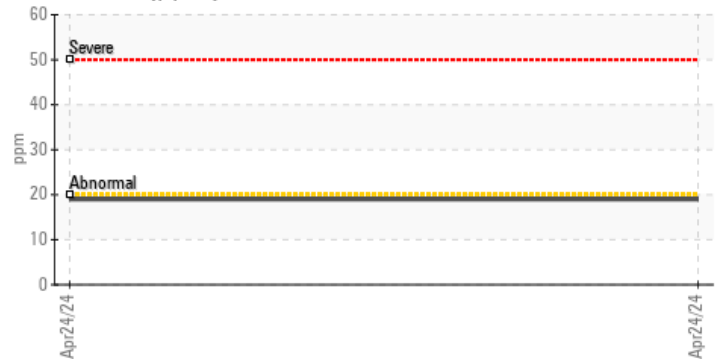
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

