



# CONSTRUCTION EQUIPMENT

2023-1019051 VOLVO A45G 88 (S/N NOT GIVEN) - WET DISC BRAKE



**Sample No:** VCP411602  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 2023-1019051



## SAMPLE INFORMATION

Sample Number	VCP411602	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	4846	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### J.M. HUBER

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 MARBLE HILL, GA  
 US 30148  
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 T: (770)893-7602  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	■ 43.2	---	---	---
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## CONTAMINATION

Water	%	▲ 0.188	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---



## WEAR METALS

Iron	ppm	▲ 58	---	---	---
Copper	ppm	■ 25	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 4124	---	---	---
Magnesium	ppm	■ 24	---	---	---
Zinc	ppm	■ 1646	---	---	---
Phosphorus	ppm	■ 1303	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 131	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** JMHMAR  
**Unique No:** 10781649  
**Signed:** Jonathan Hester  
**Report Date:** 14 Dec 2023

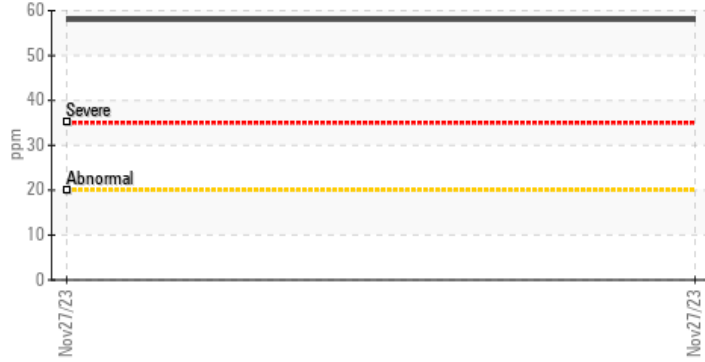


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## GRAPHS

### ▲ Iron (ppm)



### Lead (ppm)



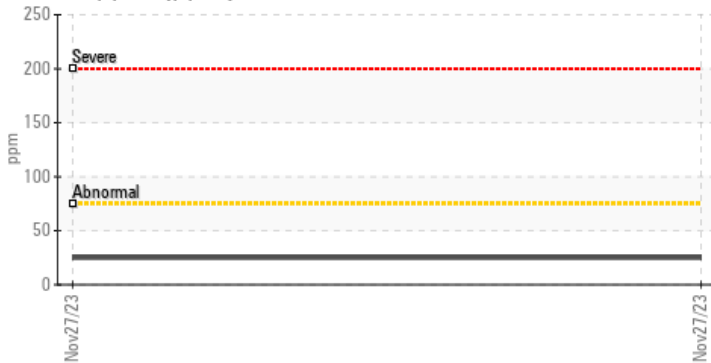
### Aluminum (ppm)



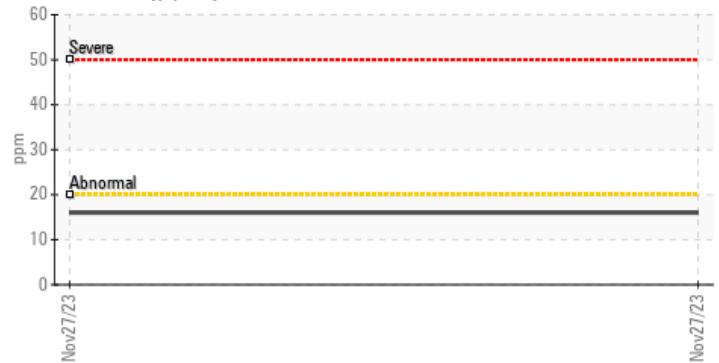
### Chromium (ppm)



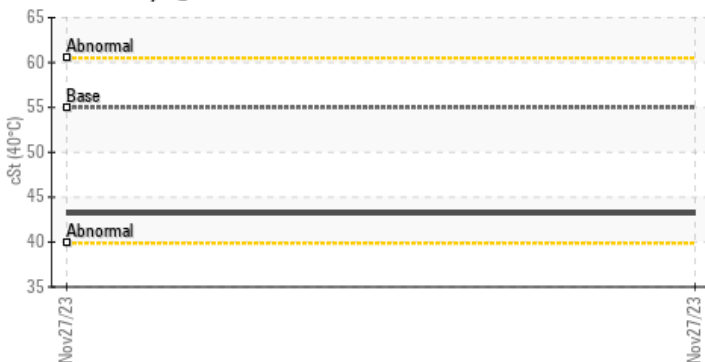
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### ▲ Water

