



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352499 - WET DISC BRAKE



**Sample No:** VCP441180  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:**



**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### SAMPLE INFORMATION

Sample Number	VCP441180	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	5166	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 40.3	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ <1	---	---	---



### WEAR METALS

Iron	ppm	▲ 29	---	---	---
Copper	ppm	▲ 240	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 3058	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 1354	---	---	---
Phosphorus	ppm	█ 1231	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 93	---	---	---

### 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. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 10900254  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024

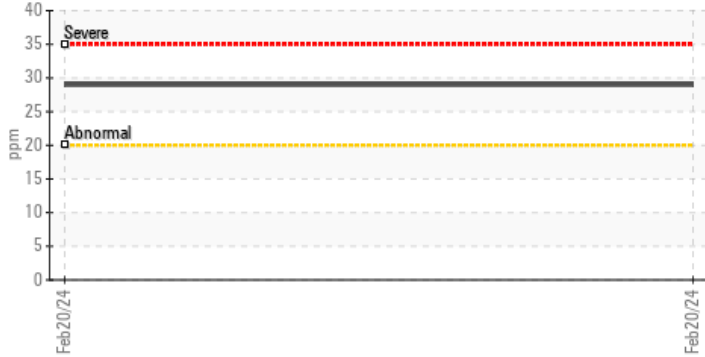


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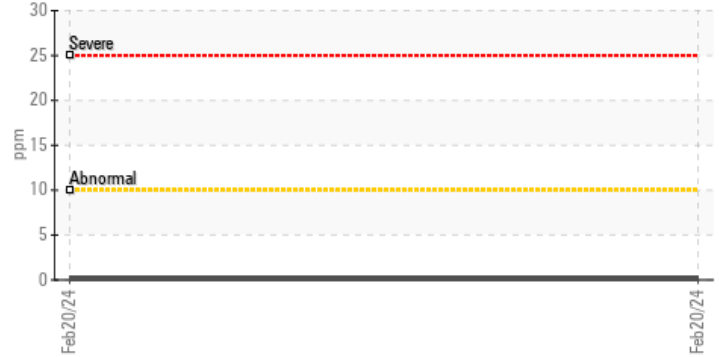


## GRAPHS

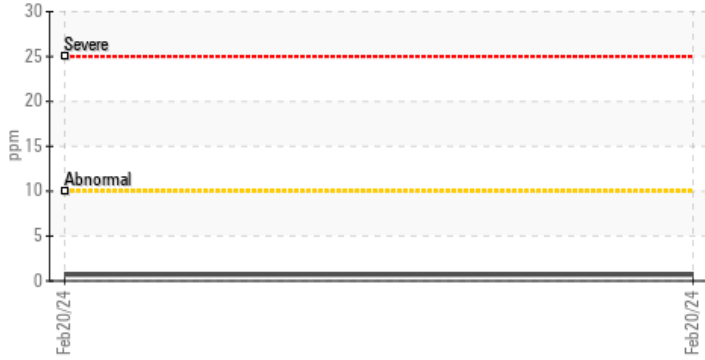
### ▲ Iron (ppm)



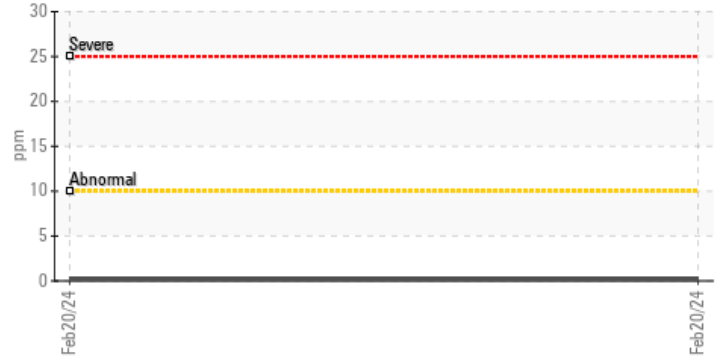
### Lead (ppm)



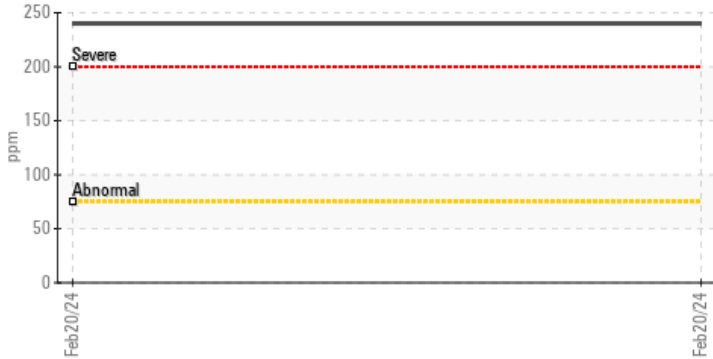
### Aluminum (ppm)



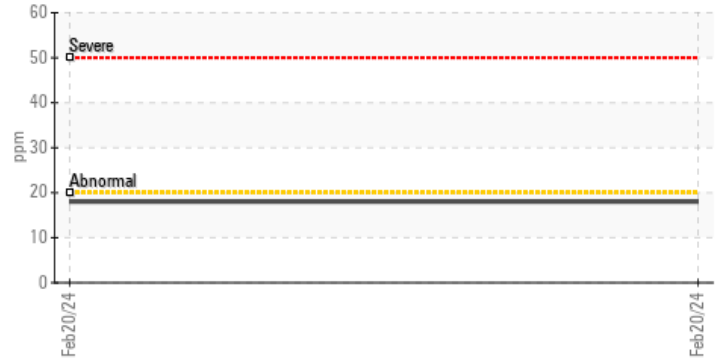
### Chromium (ppm)



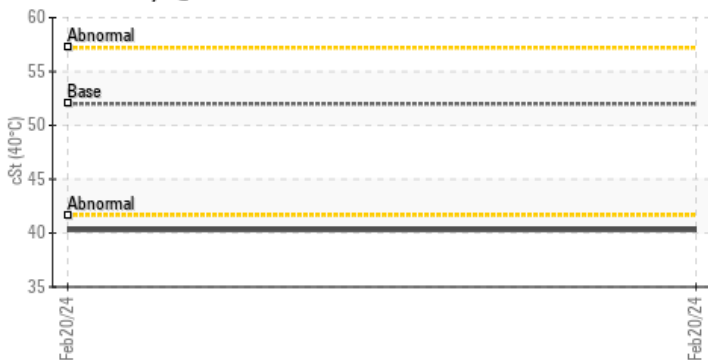
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

