



# CONSTRUCTION EQUIPMENT

SW1028121 ODDONETTO VOLVO A40G 340471 - WET DISC BRAKE



**Sample No:** VCP430697  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** SW1028121 ODDONETTO



**ARNOLD MACHINERY COMPANY**  
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## SAMPLE INFORMATION

Sample Number	VCP430697	---	---	---
Sample Date	29 Dec 2023	---	---	---
Machine Hours	8301	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	■ 48.3	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	▲ 67	---	---	---
Copper	ppm	▲ 140	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 4133	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 1466	---	---	---
Phosphorus	ppm	■ 1231	---	---	---
Barium	ppm	■ 7	---	---	---
Boron	ppm	■ 132	---	---	---

## 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. 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:** VOLVO6174  
**Unique No:** 10820322  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jan 2024

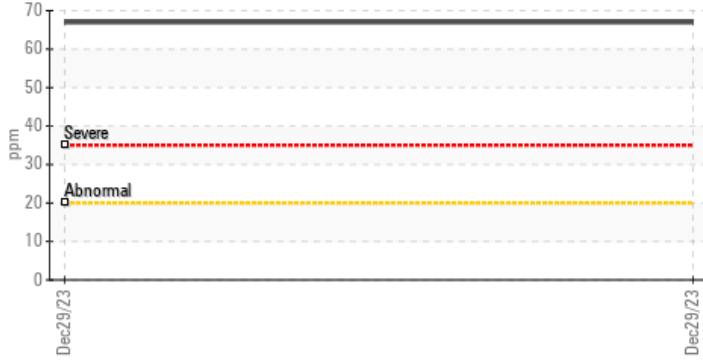


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## GRAPHS

### ▲ Iron (ppm)



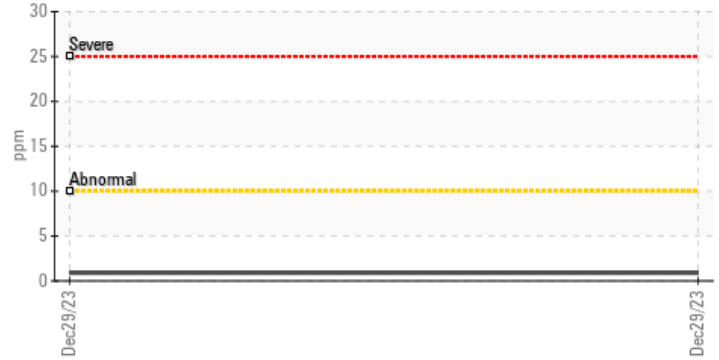
### Lead (ppm)



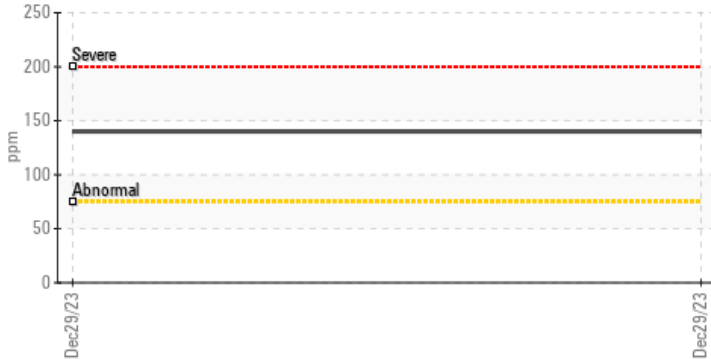
### Aluminum (ppm)



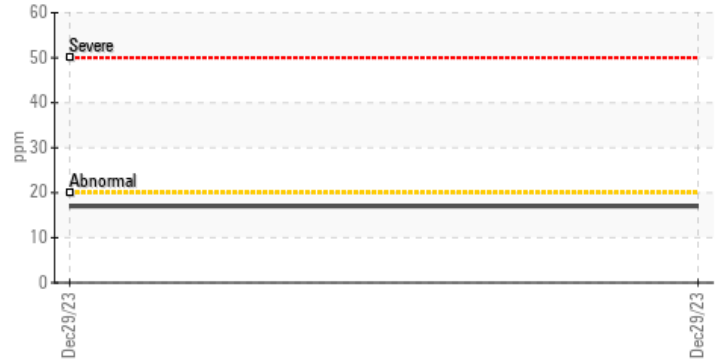
### Chromium (ppm)



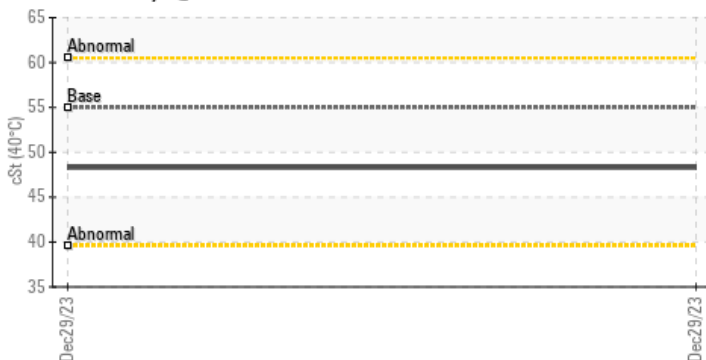
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

