



# CONSTRUCTION EQUIPMENT

## SWA511448 VOLVO A40G 340612 - HYDRAULIC SYSTEM



**Sample No:** VCP423829  
**Oil Type:** {unknown}  
**Job No:** SWA511448



### SAMPLE INFORMATION

Sample Number	VCP423829	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	11337	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	■ 42.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.73	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 23	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	2678	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	769	---	---	---
Phosphorus	ppm	679	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO0046  
**Unique No:** 10977331  
**Signed:** Don Baldrige  
**Report Date:** 16 Apr 2024

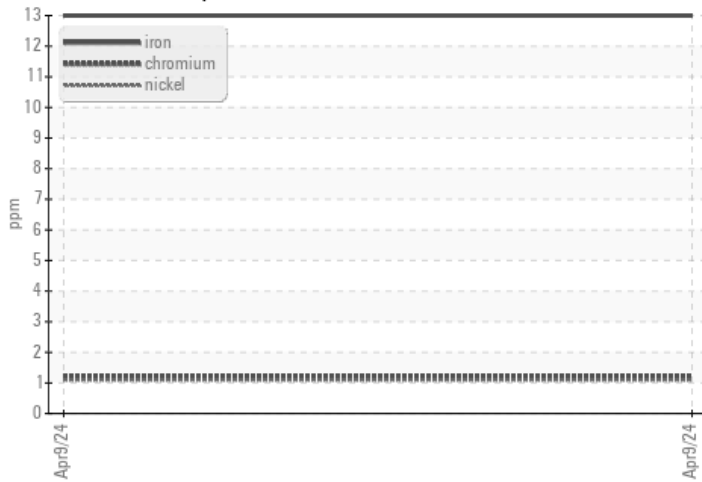


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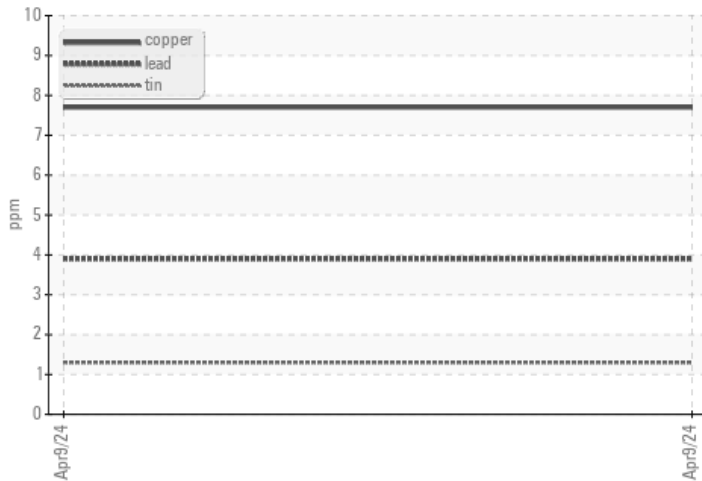


## GRAPHS

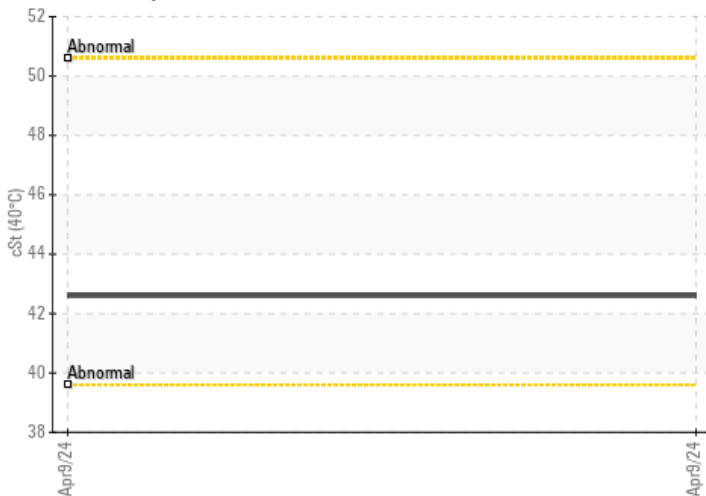
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

