



# CONSTRUCTION EQUIPMENT

SW1027175 WYBENGA VOLVO L70H 624349 - HYDRAULIC SYSTEM



**Sample No:** VCP431042  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SW1027175 WYBENGA



## SAMPLE INFORMATION

Sample Number	VCP431042	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	6684	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

### ARNOLD MACHINERY COMPANY

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US 83301

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## OIL CONDITION

Visc @ 40°C	cSt	█44.4	---	---	---
Acid Number (AN)	mg KOH/g	█0.23	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█10	---	---	---
Sodium	ppm	█1	---	---	---
Potassium	ppm	█6	---	---	---



## WEAR METALS

Iron	ppm	█4	---	---	---
Copper	ppm	█5	---	---	---
Lead	ppm	█0	---	---	---
Tin	ppm	█0	---	---	---
Aluminum	ppm	█2	---	---	---
Chromium	ppm	█0	---	---	---
Molybdenum	ppm	█<1	---	---	---
Nickel	ppm	█0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█648	---	---	---
Magnesium	ppm	█14	---	---	---
Zinc	ppm	█599	---	---	---
Phosphorus	ppm	█487	---	---	---
Barium	ppm	█6	---	---	---
Boron	ppm	█14	---	---	---

## 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO1835  
**Unique No:** 10795800  
**Signed:** Jonathan Hester  
**Report Date:** 22 Dec 2023

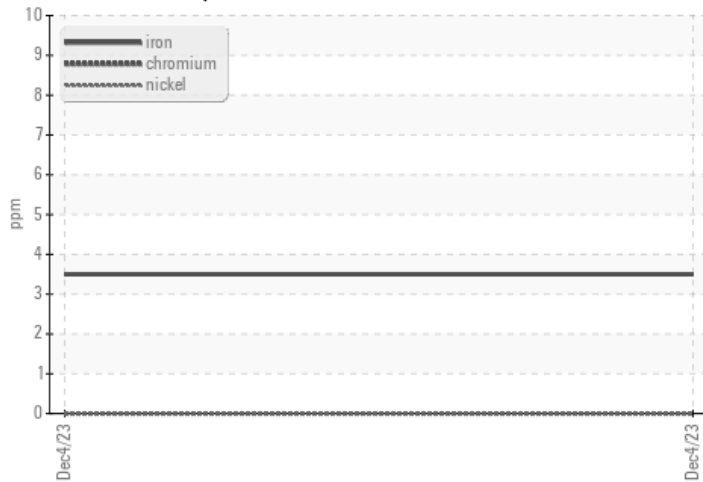


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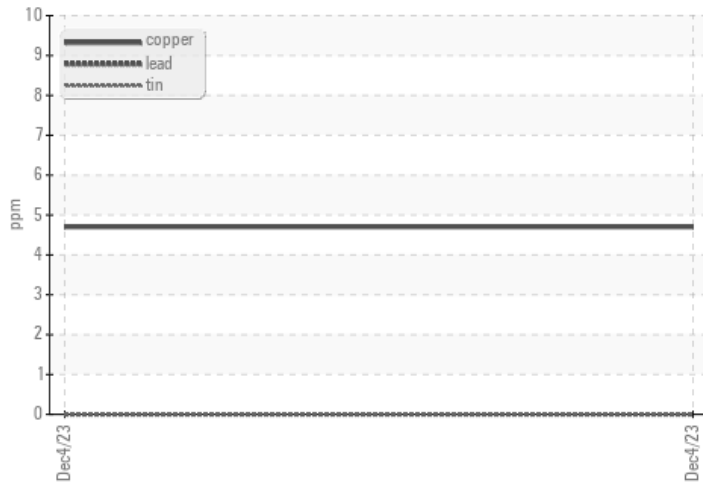


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

