



# CONSTRUCTION EQUIPMENT

## 42198 VOLVO L110H 631798 - HYDRAULIC SYSTEM



**Sample No:** VCP449316  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 42198



### SAMPLE INFORMATION

Sample Number	VCP449316	---	---	---
Sample Date	24 May 2024	---	---	---
Machine Hours	4126	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**215 - ASCENDUM MACHINERY INC - CAYCE**  
 2303 AIRPORT BLVD  
 CAYCE, SC  
 US 29033  
 Contact: TAMI BROWDER  
 tami.browder@ascendummachinery.com  
 T: (803)923-2138  
 F: (803)791-9920



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



### CONTAMINATION

Water	%	▲ 0.214	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 95	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 472	---	---	---
Phosphorus	ppm	█ 351	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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. Appearance is hazy. Free water present. There is a light concentration of water present in the oil. High 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:** VOLVO0013  
**Unique No:** 11056028  
**Signed:** Jonathan Hester  
**Report Date:** 31 May 2024

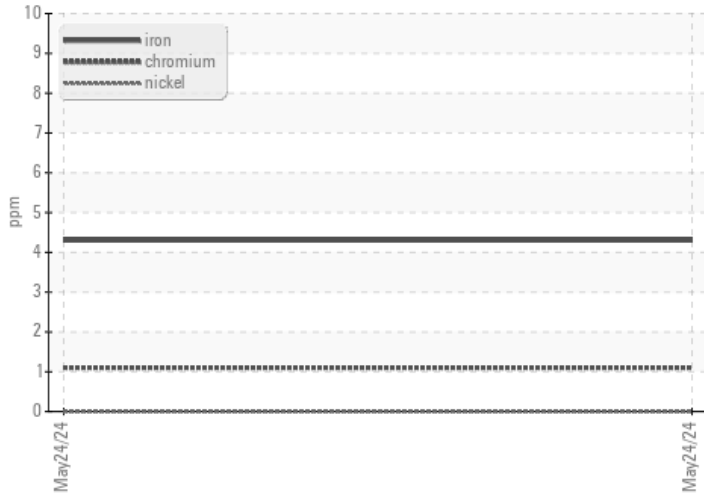


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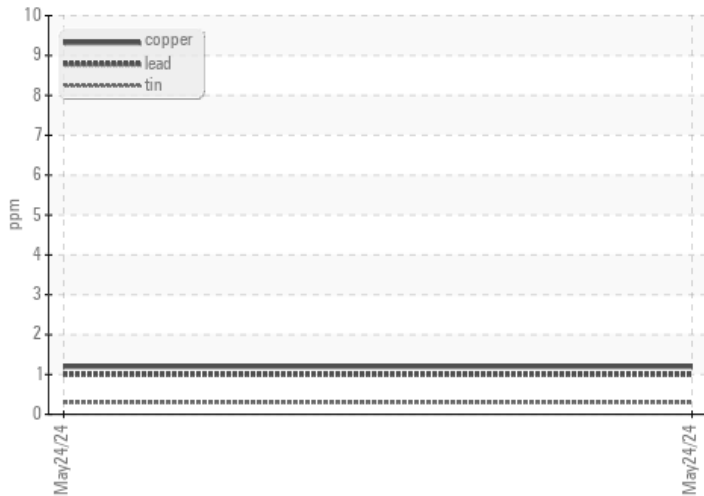


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

