



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 632208 - HYDRAULIC SYSTEM



**Sample No:** VCP441181  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP441181	---	---	---
Sample Date	06 Feb 2024	---	---	---
Machine Hours	2417	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
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 T:  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 37.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 6064	---	---	---
Particles >6µm		█ 1330	---	---	---
Particles >14µm		▲ 122	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

**Diagnosis**  
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 94	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 372	---	---	---
Phosphorus	ppm	█ 324	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10871005  
**Signed:** Don Baldrige  
**Report Date:** 10 Feb 2024

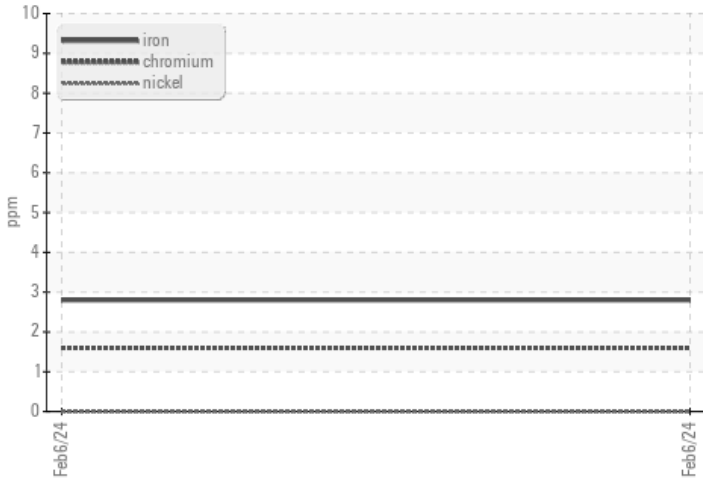


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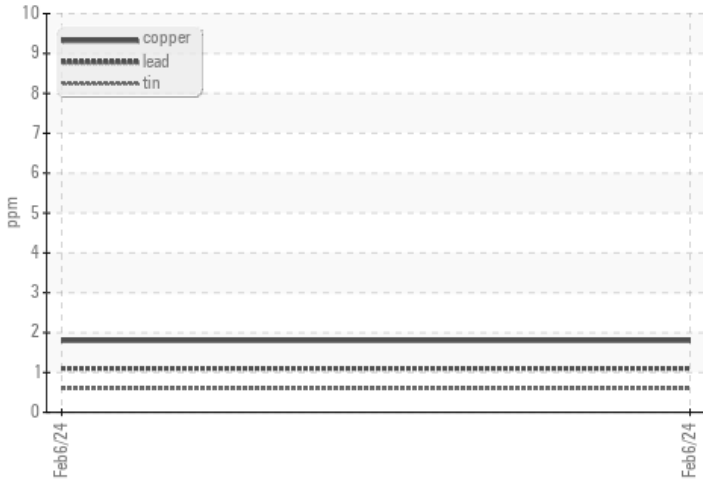


## VOLVO GRAPHS

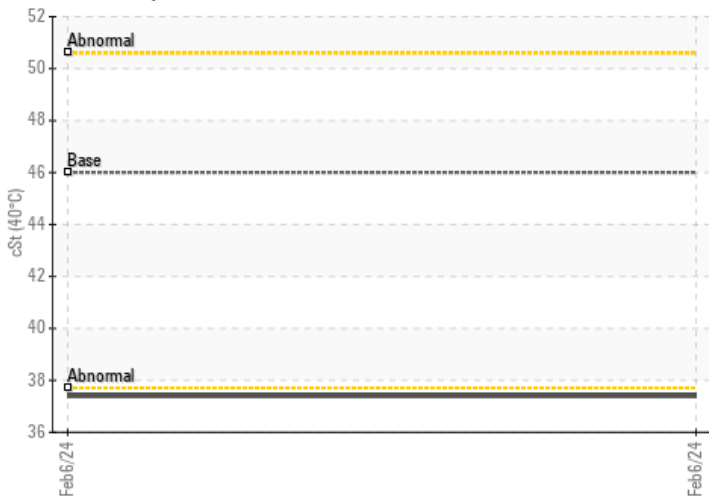
### Ferrous Alloys



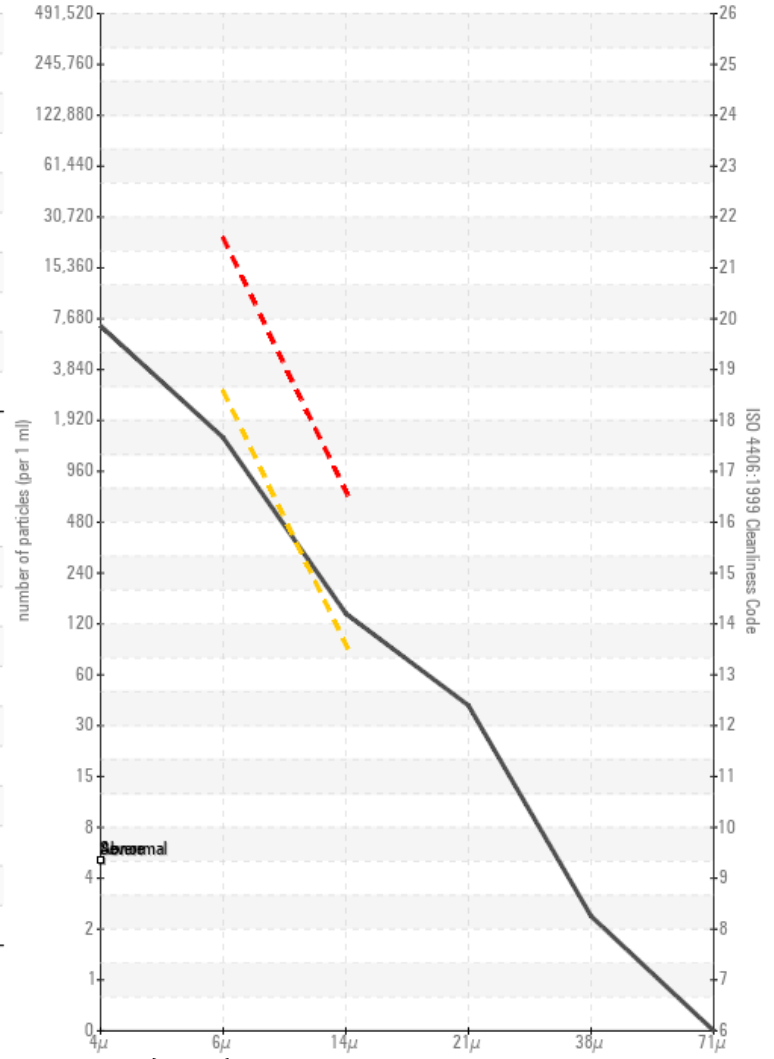
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

