



# CONSTRUCTION EQUIPMENT

## SW1029410 MGC VOLVO L110F 61748 - HYDRAULIC SYSTEM



**Sample No:** VCP442969  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SW1029410 MGC



### SAMPLE INFORMATION

Sample Number	VCP442969	---	---	---
Sample Date	31 Jan 2024	---	---	---
Machine Hours	6240	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	■ 40.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.46	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 14759	---	---	---
Particles >6µm		▲ 3796	---	---	---
Particles >14µm		▲ 240	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 2	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

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

### ADDITIVES

Calcium	ppm	■ 343	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 475	---	---	---
Phosphorus	ppm	■ 407	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 10863382  
**Signed:** Don Baldrige  
**Report Date:** 08 Feb 2024

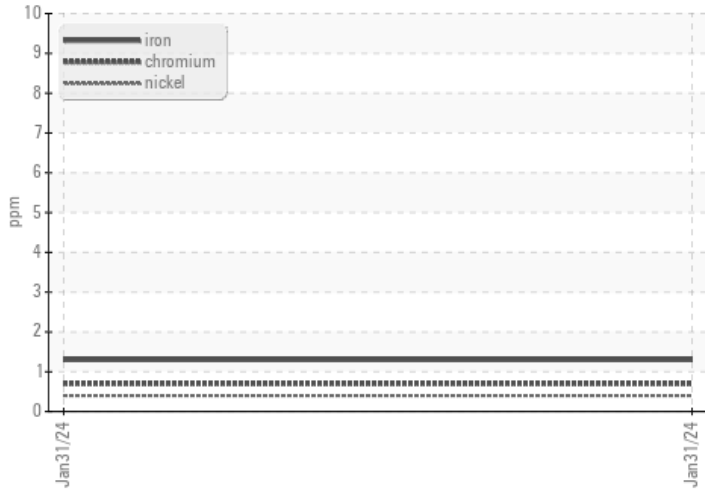


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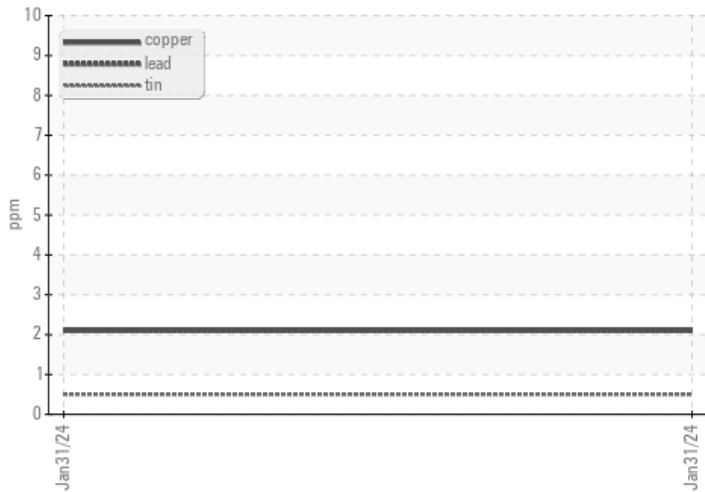


## GRAPHS

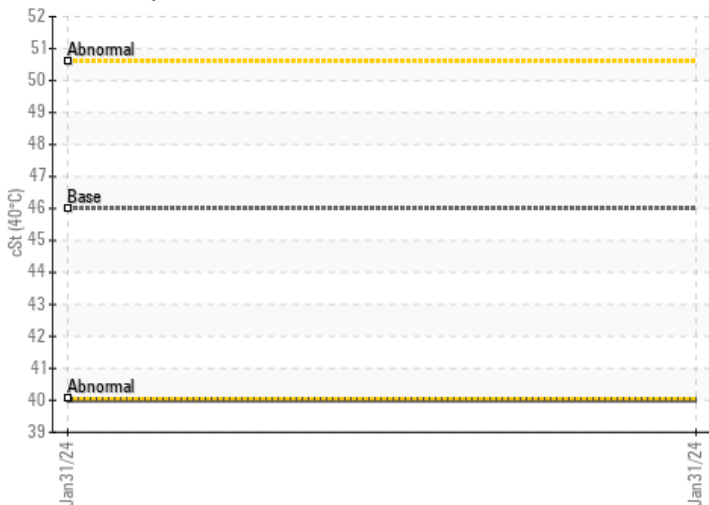
### Ferrous Alloys



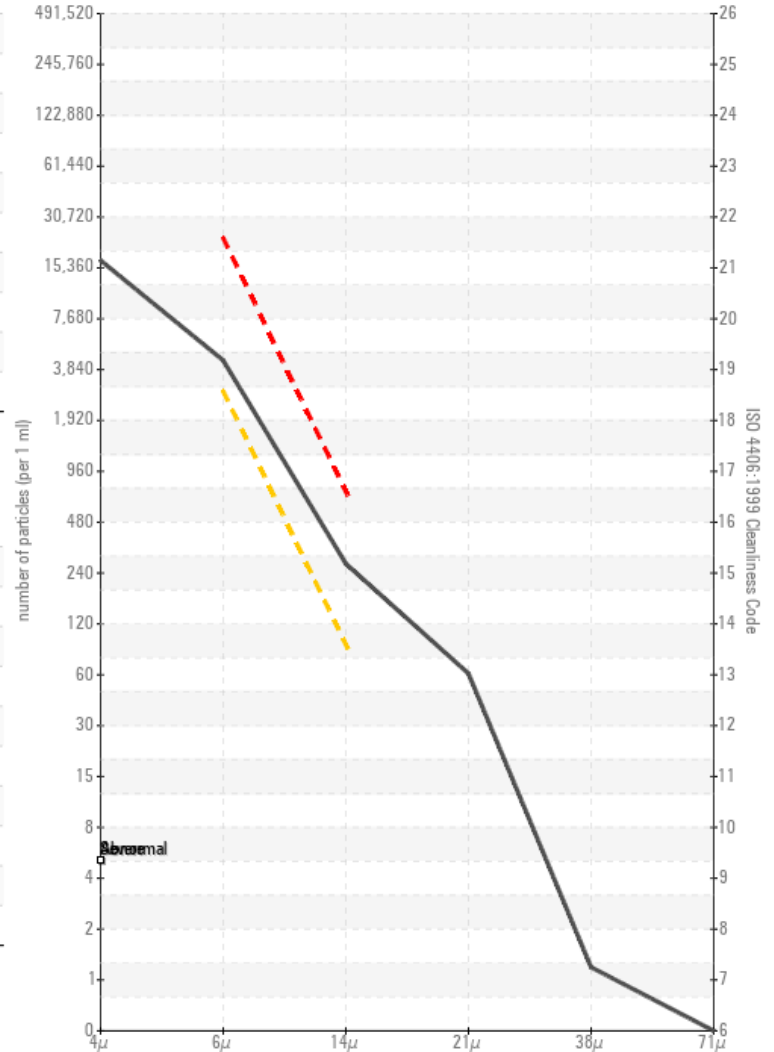
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

