



# CONSTRUCTION EQUIPMENT

## X11168 OLD CASTLE VOLVO L90H 626890 - HYDRAULIC SYSTEM



**Sample No:** VCP440403  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** X11168 OLD CASTLE



### SAMPLE INFORMATION

Sample Number	VCP440403	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	1013	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.42	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 23894	---	---	---
Particles >6µm		▲ 7176	---	---	---
Particles >14µm		▲ 1037	---	---	---
ISO 4406:1999 (c)		22/20/17	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
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 high amount of particulates 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 acceptable for the time in service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 66	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 404	---	---	---
Phosphorus	ppm	█ 313	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO1034  
**Unique No:** 10882945  
**Signed:** Don Baldrige  
**Report Date:** 16 Feb 2024

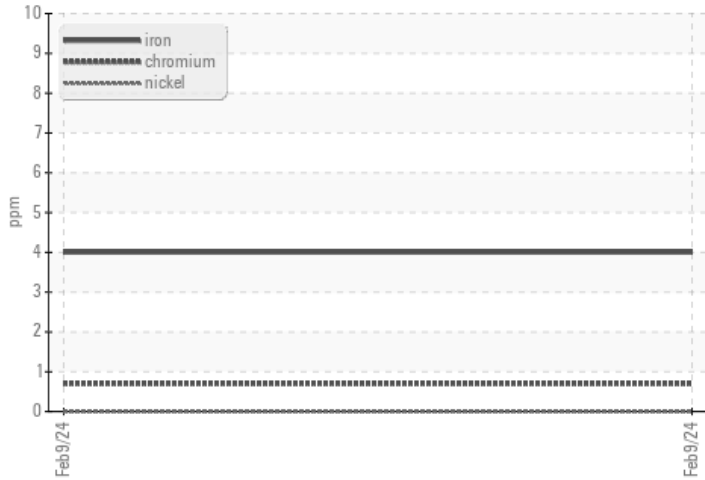


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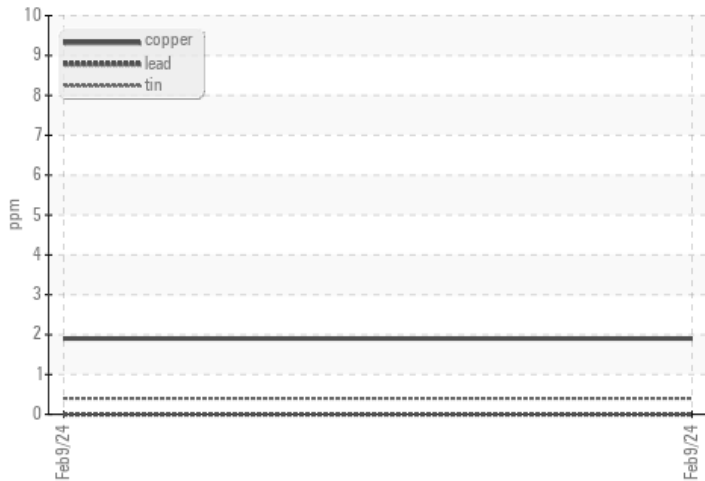


## GRAPHS

### Ferrous Alloys



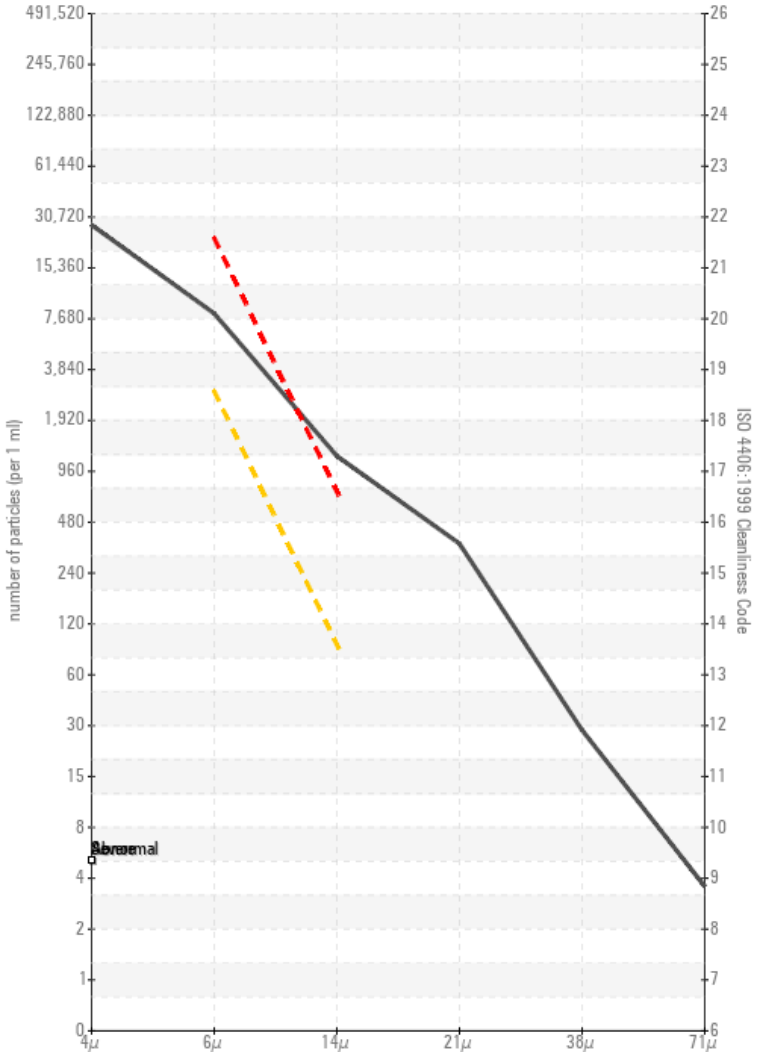
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

