



# CONSTRUCTION EQUIPMENT

X11169 OLD CASTLE VOLVO L90H 626888 - HYDRAULIC SYSTEM



**Sample No:** VCP439716  
**Oil Type:** VOLVO  
**Job No:** X11169 OLD CASTLE



**SCOTT EQUIPMENT COMPANY LLC - Texarkana**  
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T:  
F:



## SAMPLE INFORMATION

Sample Number	VCP439716	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 11702	---	---	---
Particles >6µm		▲ 4897	---	---	---
Particles >14µm		▲ 730	---	---	---
ISO 4406:1999 (c)		21/19/17	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



## 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	64	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	402	---	---	---
Phosphorus	ppm	309	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

## Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

**Depot:** VOLVO1034  
**Unique No:** 10882934  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024

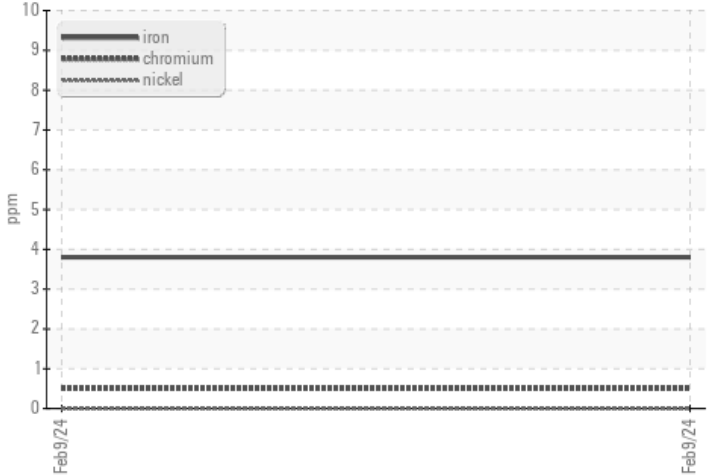


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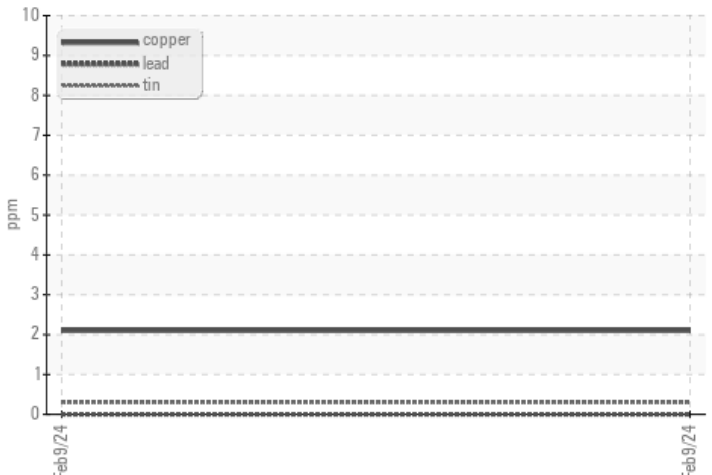


## GRAPHS

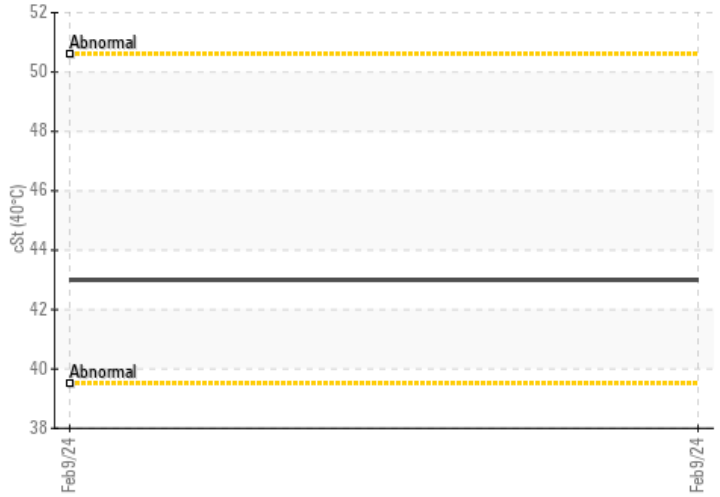
### Ferrous Alloys



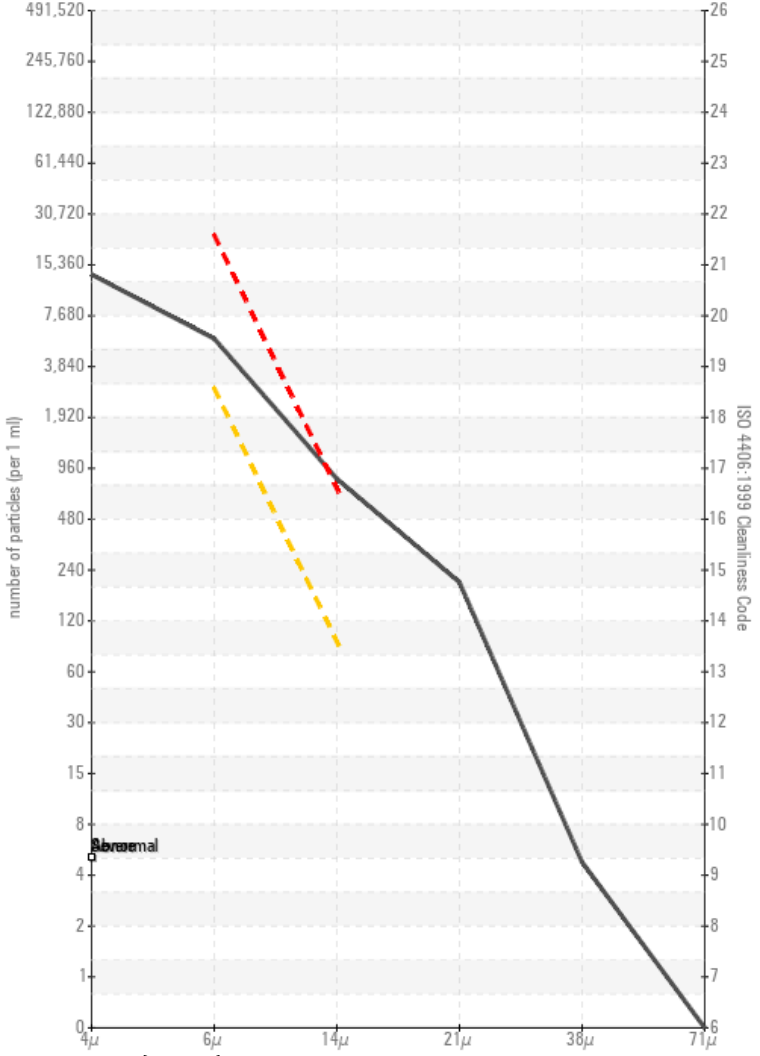
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

