



# CONSTRUCTION EQUIPMENT

433891 PATRICK OHMST VOLVO SD25D 194145 - HYDRAULIC SYSTEM



**Sample No:** VCP368743  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 433891 PATRICK OHMST



## SAMPLE INFORMATION

Sample Number	VCP368743	---	---	---
Sample Date	11 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: JIM STRIGLE  
 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



## OIL CONDITION

Visc @ 40°C	cSt	█ 42.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.76	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 11316	---	---	---
Particles >6µm		█ 370	---	---	---
Particles >14µm		█ 7	---	---	---
ISO 4406:1999 (c)		21/16/10	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) 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	▲ 41	---	---	---
Copper	ppm	█ 56	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 360	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 697	---	---	---
Phosphorus	ppm	█ 439	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 9	---	---	---

**Depot:** VOLV00142  
**Unique No:** 10896534  
**Signed:** Don Baldrige  
**Report Date:** 26 Feb 2024

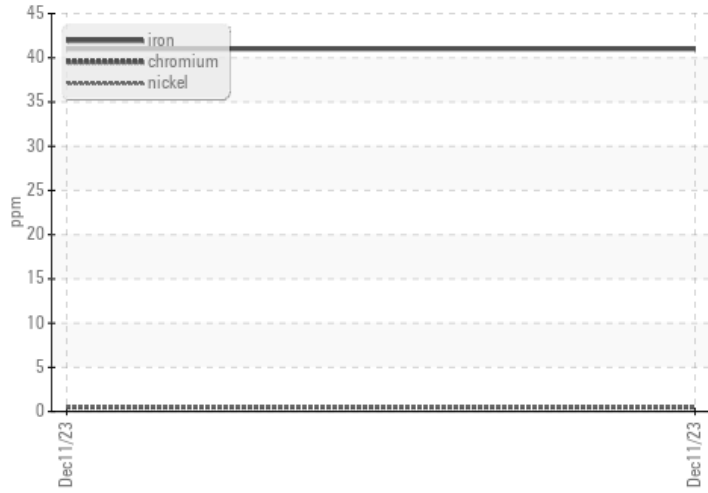


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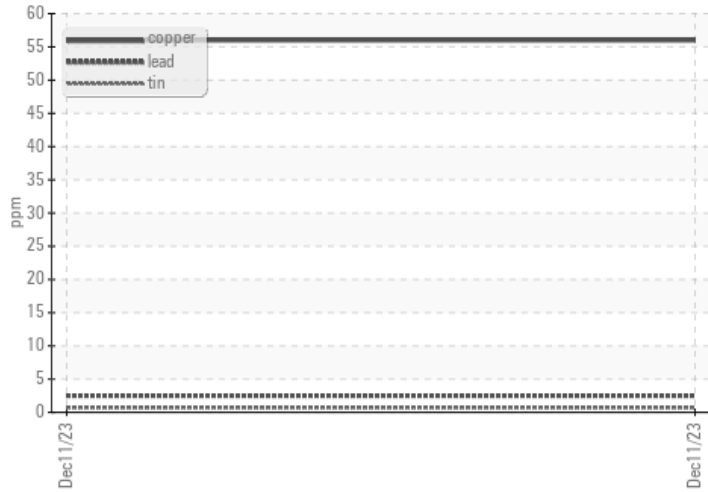


## VOLVO GRAPHS

### ▲ Ferrous Alloys



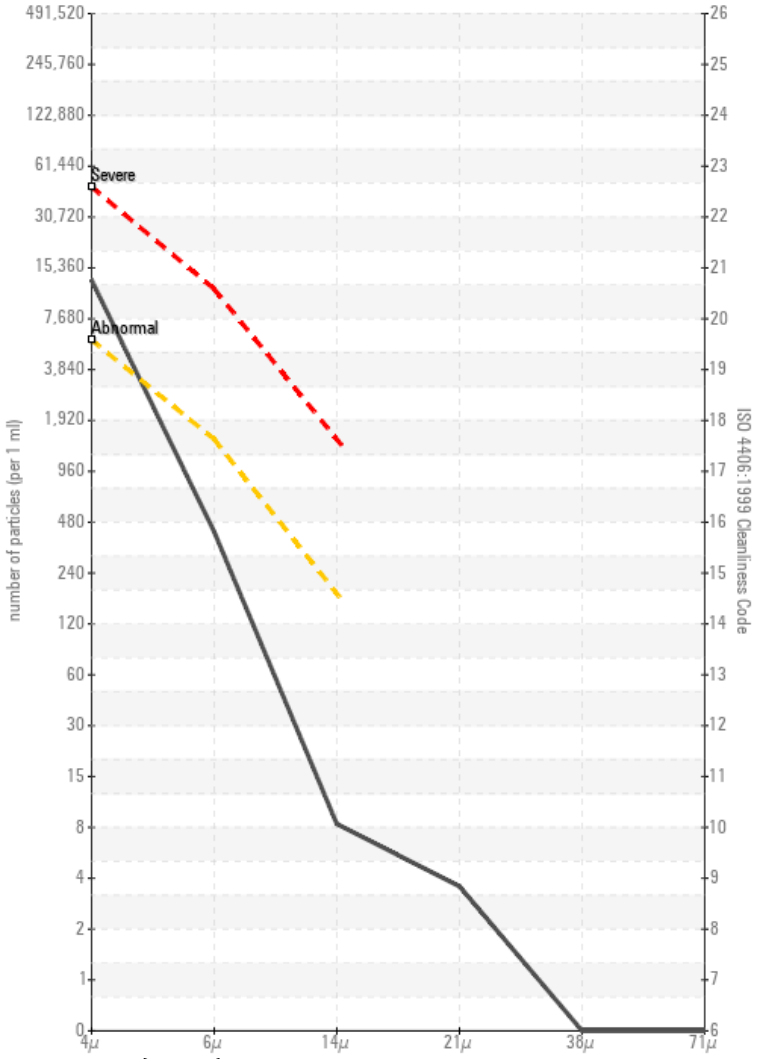
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

