



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 740250 - HYDRAULIC SYSTEM



**Sample No:** VCP412162  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP412162</b>	VCP344741	---	---
Sample Date	<b>25 Aug 2023</b>	25 Oct 2021	---	---
Machine Hours	<b>5525</b>	3871	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>ATTENTION</b>	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	46.5	---	---
Acid Number (AN)	mg KOH/g	<b>0.37</b>	0.521	---	---



### CONTAMINATION

Particles >4µm		<b>11469</b>	3016	---	---
Particles >6µm		<b>3236</b>	671	---	---
Particles >14µm		<b>175</b>	38	---	---
ISO 4406:1999 (c)		<b>21/19/15</b>	19/17/12	---	---
Silicon	ppm	<b>8</b>	6	---	---
Sodium	ppm	<b>0</b>	2	---	---
Potassium	ppm	<b>1</b>	0	---	---

**Diagnosis**  
 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 light 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 suitable for further service.



### WEAR METALS

Iron	ppm	<b>14</b>	10	---	---
Copper	ppm	<b>8</b>	10	---	---
Lead	ppm	<b>4</b>	6	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>0</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>1</b>	<1	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>76</b>	65	---	---
Magnesium	ppm	<b>4</b>	<1	---	---
Zinc	ppm	<b>423</b>	453	---	---
Phosphorus	ppm	<b>332</b>	364	---	---
Barium	ppm	<b>2</b>	0	---	---
Boron	ppm	<b>0</b>	<1	---	---

**Depot:** VOLVO0090  
**Unique No:** 10632694  
**Signed:** Wes Davis  
**Report Date:** 06 Sep 2023

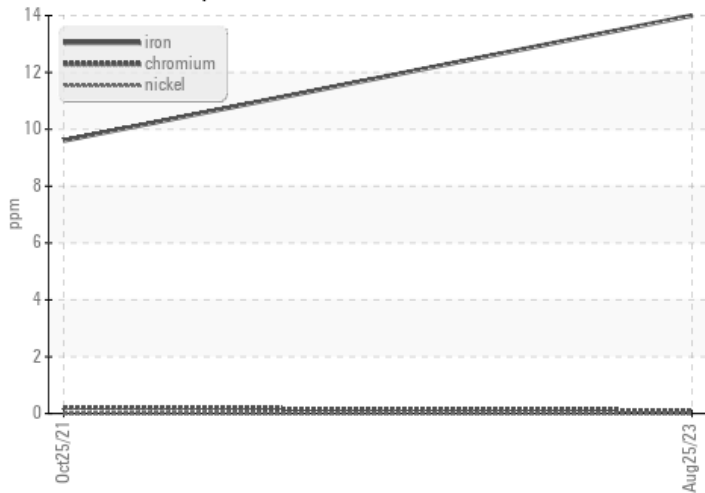


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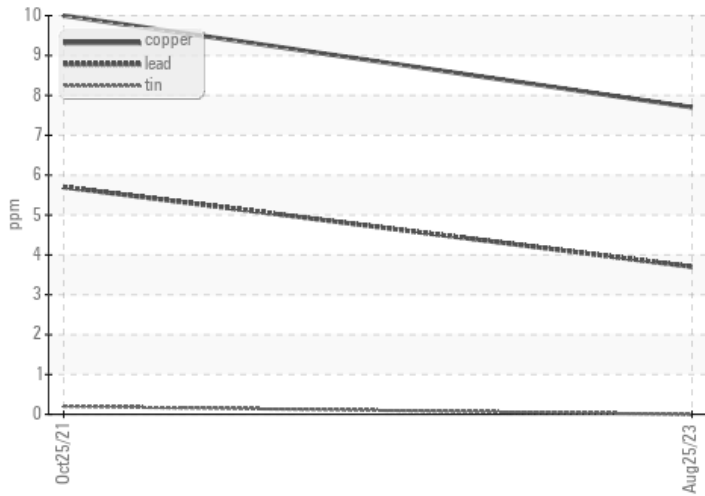


## GRAPHS

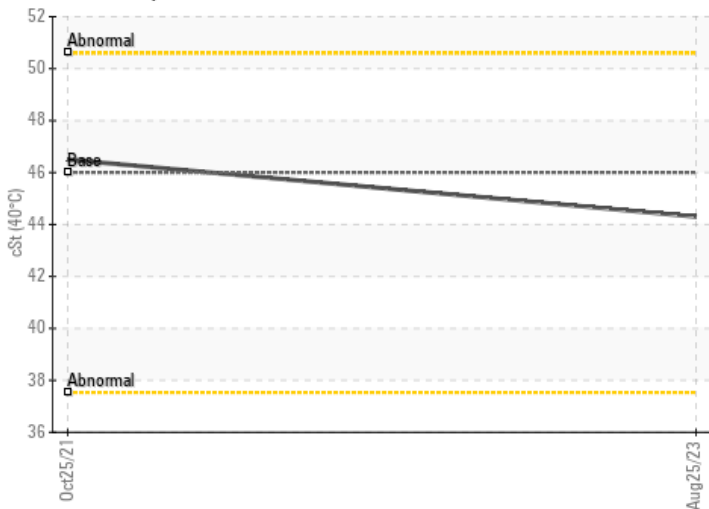
### Ferrous Alloys



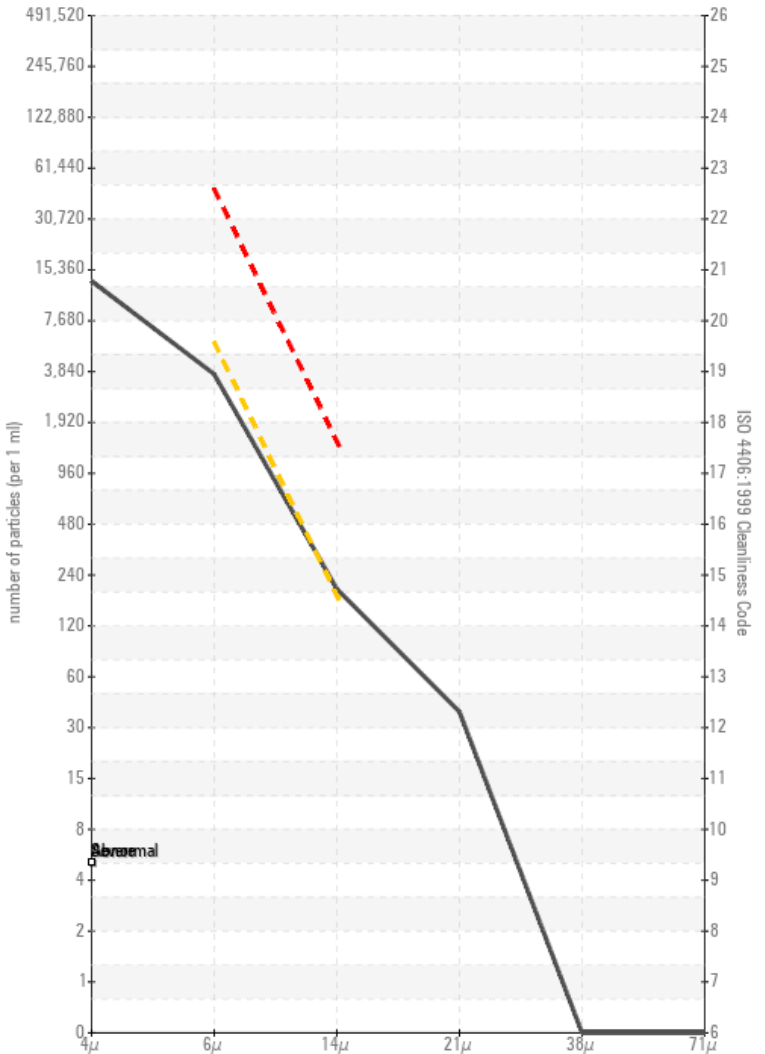
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

