



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 752598 - HYDRAULIC SYSTEM



**Sample No:** VCP442941  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442941</b>	VCP433749	VCP418884	---
Sample Date	<b>09 May 2024</b>	06 Nov 2023	26 May 2023	---
Machine Hours	<b>2325</b>	1489	528	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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

Visc @ 40°C	cSt	<b>41.1</b>	44.2	42.5	---
Acid Number (AN)	mg KOH/g	<b>0.44</b>	0.54	0.49	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>39262</b>	41957	---	---
Particles >6µm		<b>▲ 13932</b>	▲ 15190	---	---
Particles >14µm		<b>▲ 1065</b>	▲ 1298	---	---
ISO 4406:1999 (c)		<b>22/21/17</b>	23/21/17	---	---
Silicon	ppm	<b>6</b>	4	4	---
Sodium	ppm	<b>3</b>	0	0	---
Potassium	ppm	<b>&lt;1</b>	2	1	---

### Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate 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.



### WEAR METALS

Iron	ppm	<b>7</b>	4	2	---
Copper	ppm	<b>6</b>	3	2	---
Lead	ppm	<b>2</b>	2	1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	3	0	---
Chromium	ppm	<b>&lt;1</b>	<1	0	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	0	0	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>79</b>	103	75	---
Magnesium	ppm	<b>0</b>	2	1	---
Zinc	ppm	<b>449</b>	456	448	---
Phosphorus	ppm	<b>346</b>	345	341	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** VOLVO0090  
**Unique No:** 11023123  
**Signed:** Wes Davis  
**Report Date:** 14 May 2024

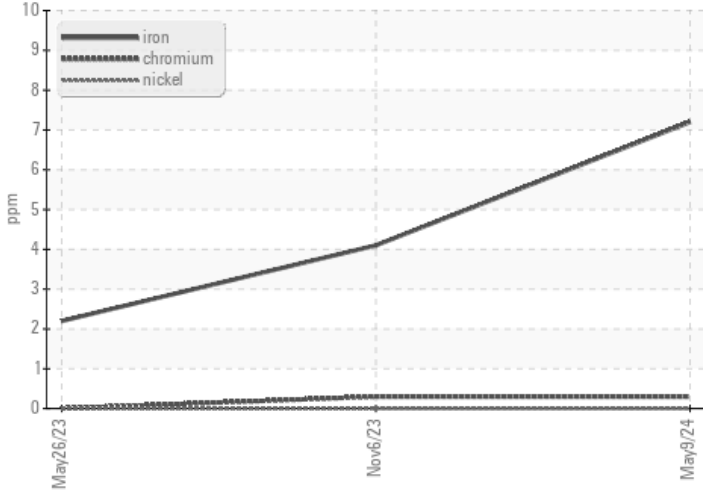


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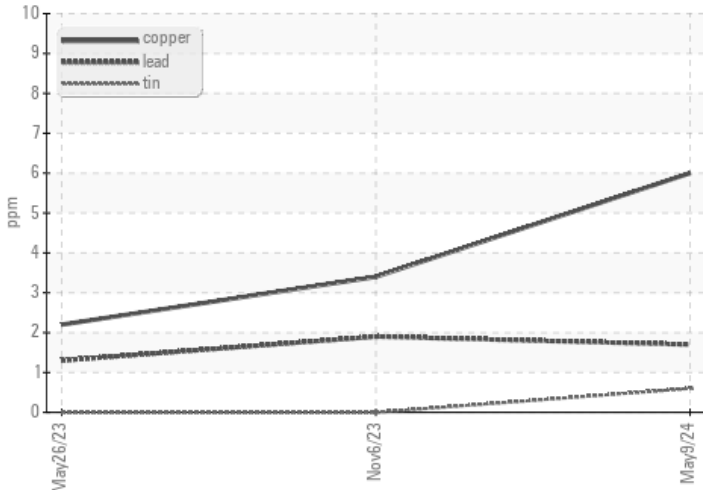


## GRAPHS

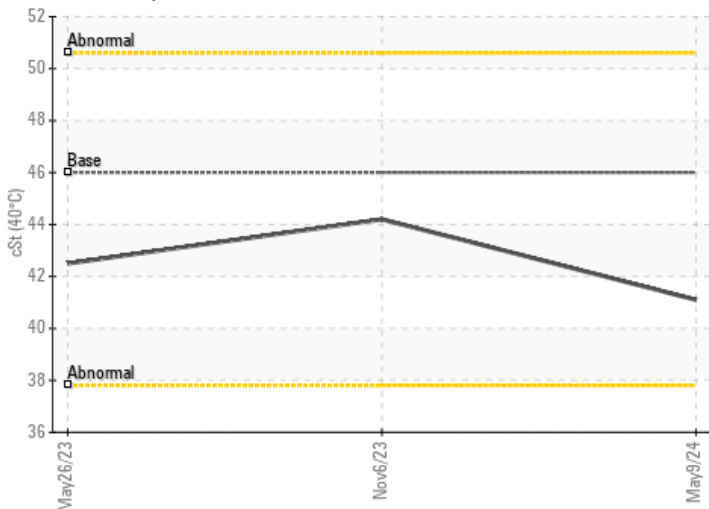
### Ferrous Alloys



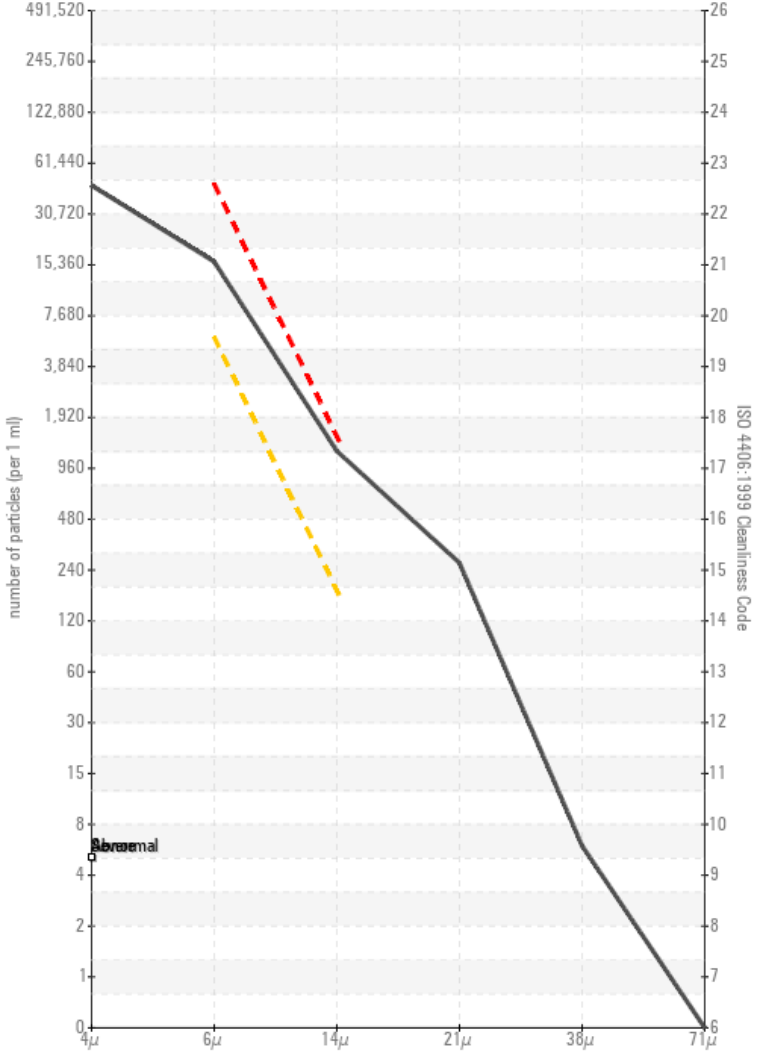
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

