



# CONSTRUCTION EQUIPMENT

## 3936/38-40 H&J VOLVO A30G 752416 - HYDRAULIC SYSTEM



**Sample No:** VCP413385  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 3936/38-40 H&J



### SAMPLE INFORMATION

Sample Number	<b>VCP413385</b>	VCP415561	VCP425854	---
Sample Date	<b>29 Jan 2024</b>	13 Jul 2023	03 May 2023	---
Machine Hours	<b>4086</b>	6366	3168	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

### ALTA EQUIPMENT COMPANY

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.2</b>	43.0	43.3	---
Acid Number (AN)	mg KOH/g	<b>0.52</b>	0.43	0.37	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>836</b>	11087	3029	---
Particles >6µm		<b>252</b>	3659	527	---
Particles >14µm		<b>33</b>	306	46	---
ISO 4406:1999 (c)		<b>17/15/12</b>	21/19/15	19/16/13	---
Silicon	ppm	<b>12</b>	13	12	---
Sodium	ppm	<b>3</b>	2	6	---
Potassium	ppm	<b>0</b>	0	2	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>11</b>	14	13	---
Copper	ppm	<b>4</b>	4	4	---
Lead	ppm	<b>3</b>	2	3	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>7</b>	8	6	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>31</b>	78	71	---
Magnesium	ppm	<b>&lt;1</b>	1	4	---
Zinc	ppm	<b>435</b>	451	457	---
Phosphorus	ppm	<b>345</b>	359	358	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** VOLVO0095  
**Unique No:** 10858904  
**Signed:** Wes Davis  
**Report Date:** 02 Feb 2024

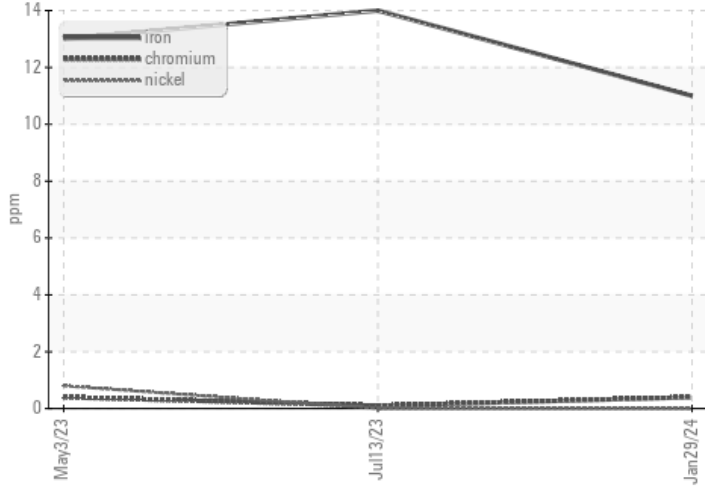


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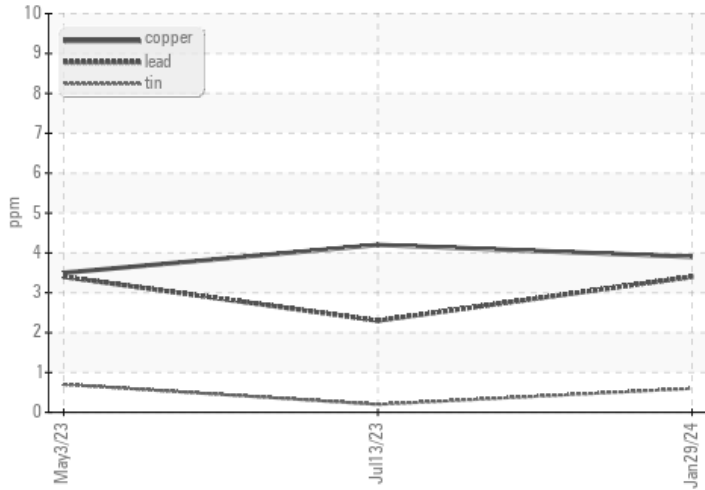


## VOLVO GRAPHS

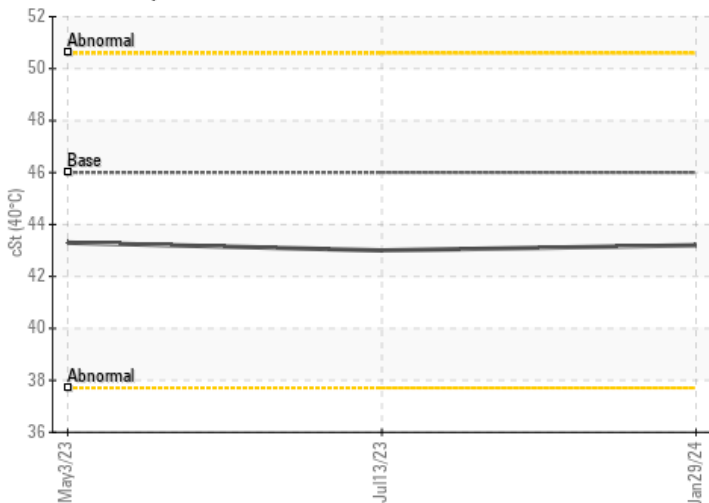
### Ferrous Alloys



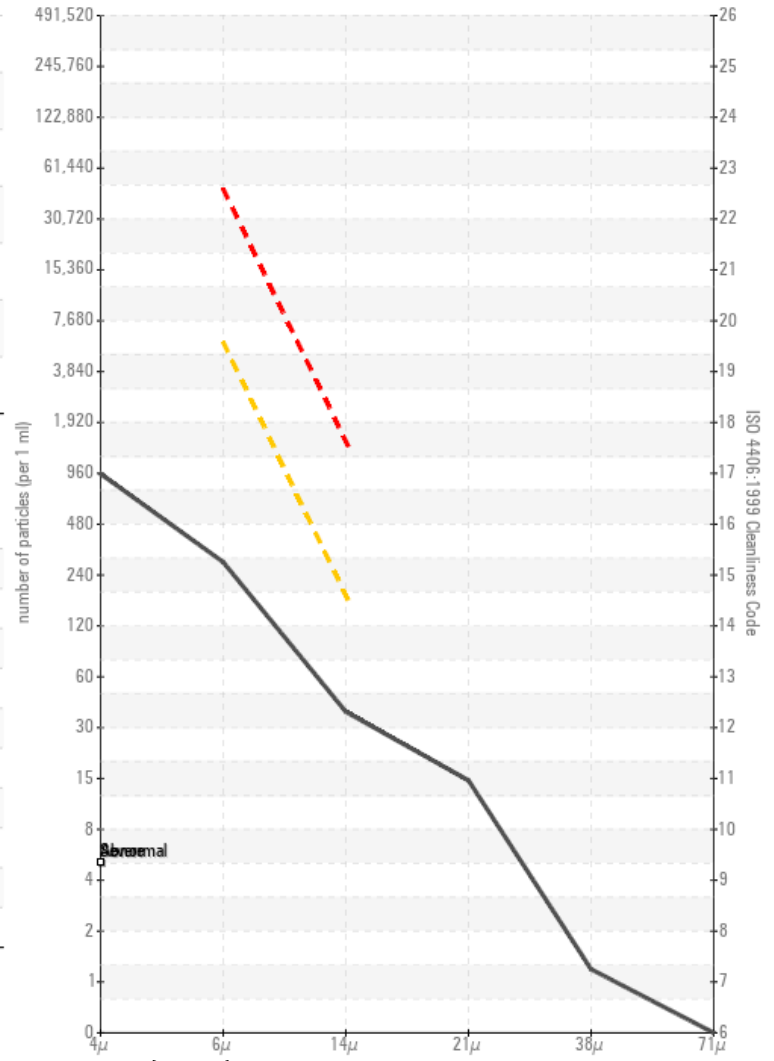
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

