



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 752532 - HYDRAULIC SYSTEM



**Sample No:** VCP442802  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442802</b>	VCP397658	VCP395086	---
Sample Date	<b>31 Jan 2024</b>	08 Nov 2023	20 Sep 2023	---
Machine Hours	<b>4231</b>	3276	3028	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	N/A	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	42.9	44.5	---
Acid Number (AN)	mg KOH/g	<b>0.26</b>	0.25	0.37	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		---	1542	113995	---
Particles >6µm		---	374	32998	---
Particles >14µm		---	20	195	---
ISO 4406:1999 (c)		---	18/16/11	24/22/15	---
Silicon	ppm	<b>0</b>	<1	4	---
Sodium	ppm	<b>0</b>	0	0	---
Potassium	ppm	<b>0</b>	0	1	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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>0</b>	0	4	---
Copper	ppm	<b>&lt;1</b>	<1	4	---
Lead	ppm	<b>&lt;1</b>	0	2	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	0	0	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>0</b>	0	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	0	0	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>62</b>	45	113	---
Magnesium	ppm	<b>1</b>	0	4	---
Zinc	ppm	<b>392</b>	398	512	---
Phosphorus	ppm	<b>299</b>	298	389	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** VOLVO0090  
**Unique No:** 10861831  
**Signed:** Jonathan Hester  
**Report Date:** 07 Feb 2024

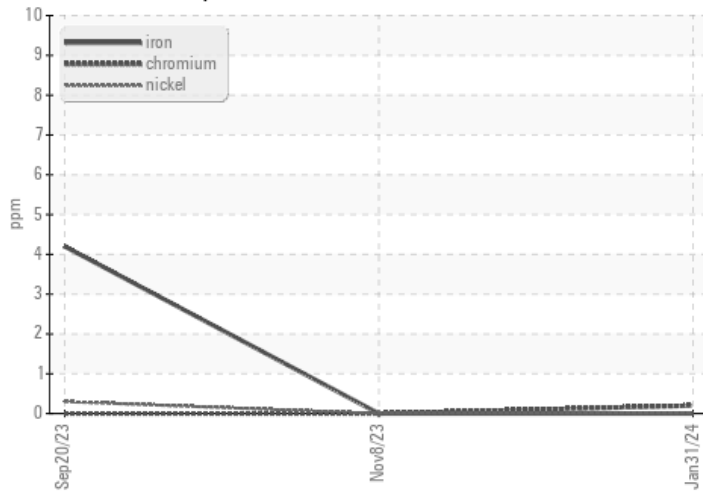


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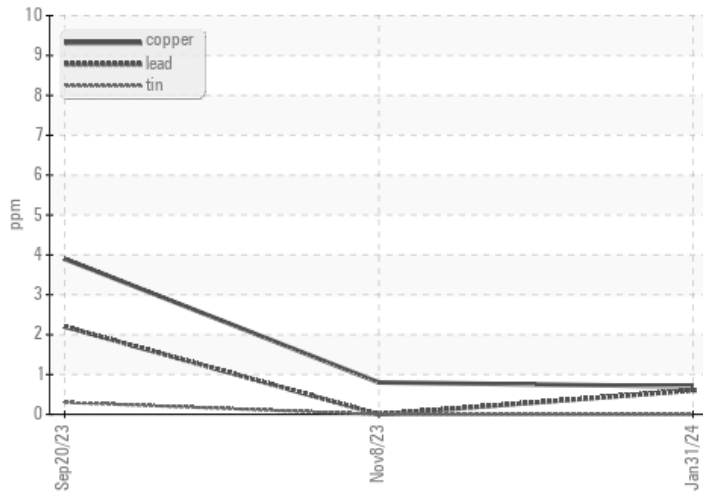


## GRAPHS

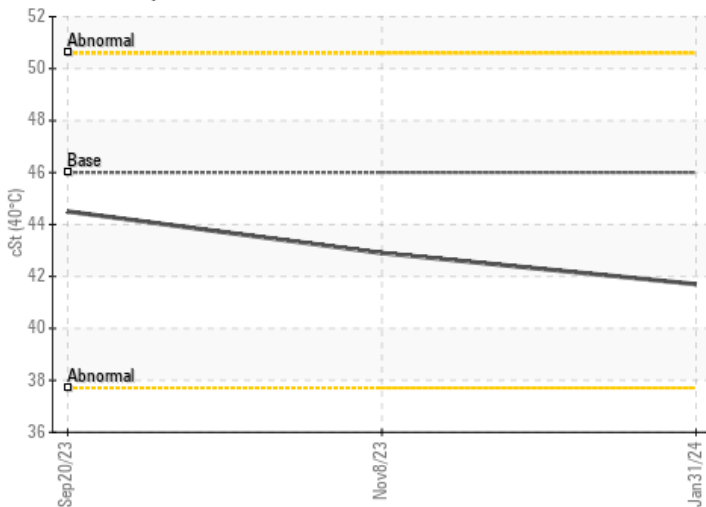
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

