



# CONSTRUCTION EQUIPMENT

## X37246 VOLVO A25G 752299 - HYDRAULIC SYSTEM



**Sample No:** VCP414313  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** X37246



### SAMPLE INFORMATION

Sample Number	<b>VCP414313</b>	VCP404794	---	---
Sample Date	<b>18 Oct 2023</b>	24 Aug 2023	---	---
Machine Hours	<b>0</b>	5368	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>N/A</b>	N/A	---	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.3</b>	42.0	---	---
Acid Number (AN)	mg KOH/g	<b>0.33</b>	0.37	---	---



### CONTAMINATION

Particles >4µm		<b>12165</b>	32842	---	---
Particles >6µm		<b>2963</b>	9247	---	---
Particles >14µm		<b>170</b>	522	---	---
ISO 4406:1999 (c)		<b>21/19/15</b>	22/20/16	---	---
Silicon	ppm	<b>2</b>	2	---	---
Sodium	ppm	<b>2</b>	3	---	---
Potassium	ppm	<b>2</b>	2	---	---

### Diagnosis

We recommend you service the filters on this component. 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>7</b>	9	---	---
Copper	ppm	<b>1</b>	4	---	---
Lead	ppm	<b>2</b>	2	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>1</b>	1	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>78</b>	119	---	---
Magnesium	ppm	<b>5</b>	7	---	---
Zinc	ppm	<b>487</b>	459	---	---
Phosphorus	ppm	<b>359</b>	351	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** DIPMED  
**Unique No:** 10709077  
**Signed:** Wes Davis  
**Report Date:** 24 Oct 2023

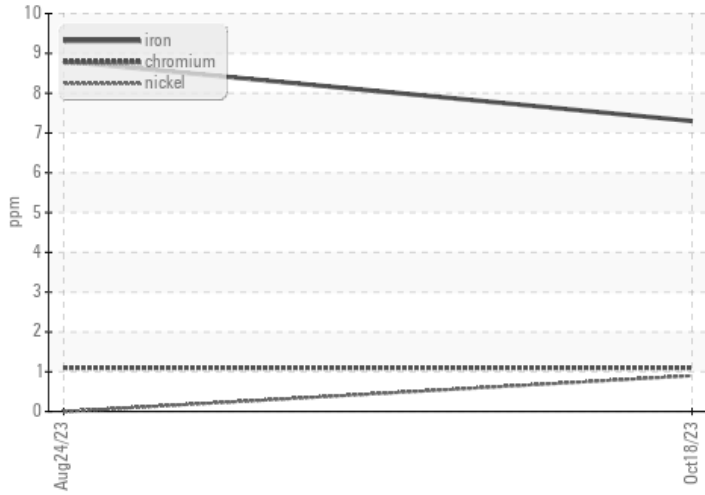


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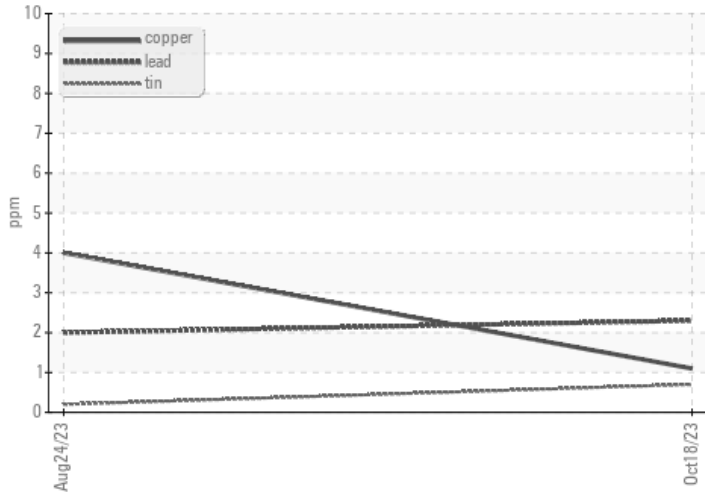


## GRAPHS

### Ferrous Alloys



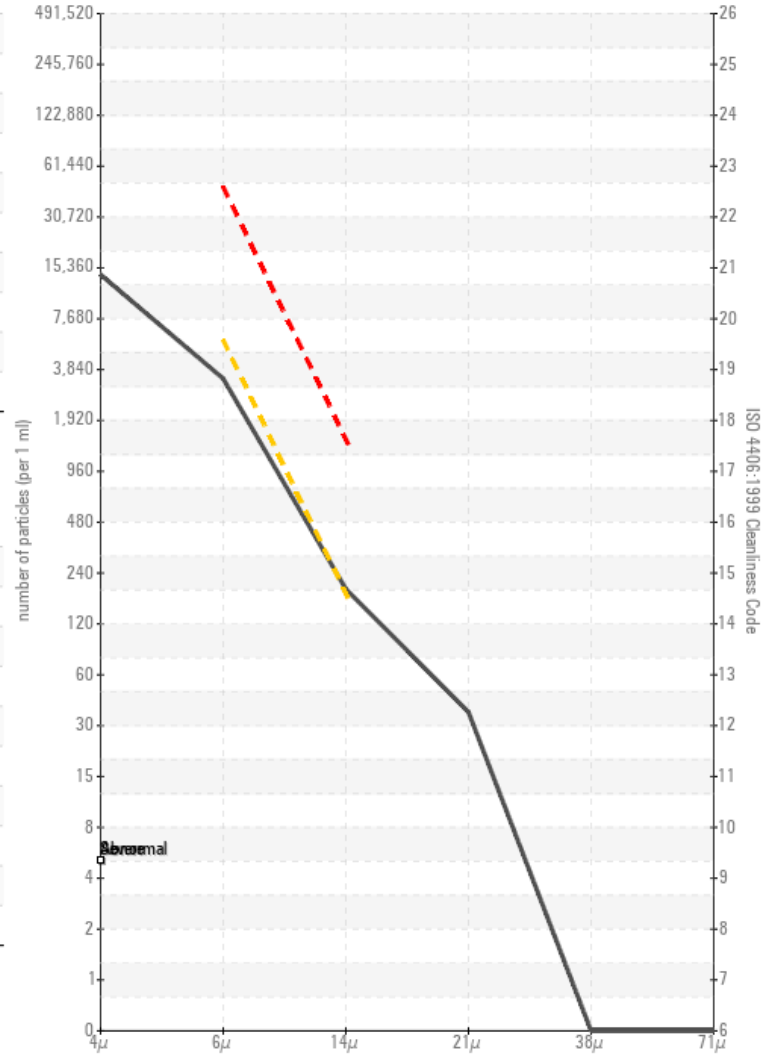
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

