



# CONSTRUCTION EQUIPMENT

## 579198 APTIM VOLVO A35G 340109 - HYDRAULIC SYSTEM



**Sample No:** VCP424462  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 579198 APTIM



### SAMPLE INFORMATION

Sample Number	VCP424462	VCP423683	---	---
Sample Date	11 Jul 2023	16 Mar 2023	---	---
Machine Hours	8937	8480	---	---
Oil Hours	4000	3000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	█ 41.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	█ 0.42	---	---



### CONTAMINATION

Particles >4µm		8013	4135	---	---
Particles >6µm		█ 2328	█ 1032	---	---
Particles >14µm		▲ 177	█ 76	---	---
ISO 4406:1999 (c)		20/18/15	19/17/13	---	---
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ 0	█ 3	---	---
Potassium	ppm	█ 4	█ 2	---	---

### 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	█ 11	█ 11	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ 4	█ 4	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 4	█ 4	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 325	█ 310	---	---
Magnesium	ppm	█ 23	█ 31	---	---
Zinc	ppm	█ 450	█ 449	---	---
Phosphorus	ppm	█ 356	█ 377	---	---
Barium	ppm	█ 1	█ 0	---	---
Boron	ppm	█ 8	█ 8	---	---

**Depot:** VOLVO0093  
**Unique No:** 10564542  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023

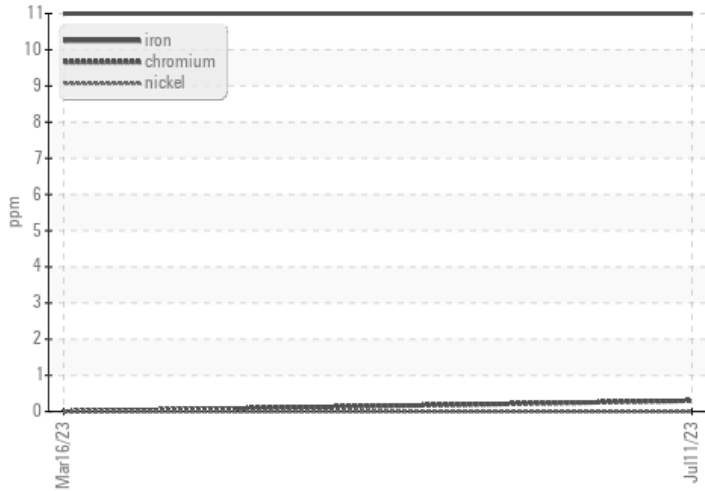


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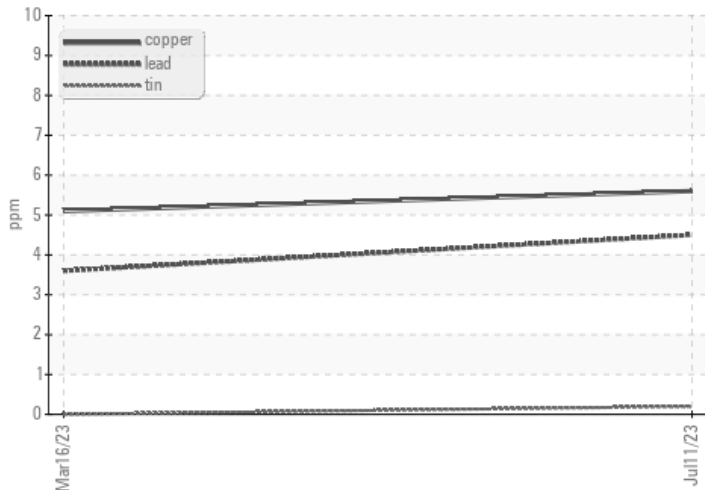


## GRAPHS

### Ferrous Alloys



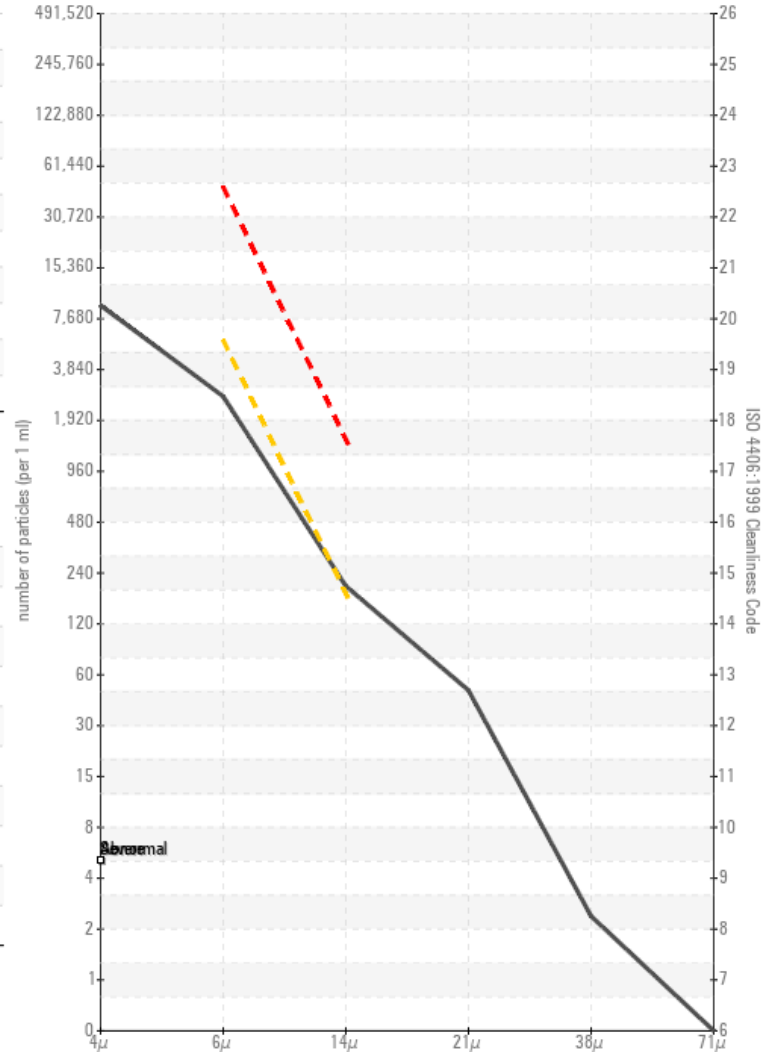
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

