



# CONSTRUCTION EQUIPMENT

## W14836 VOLVO A40G 353426 - HYDRAULIC SYSTEM



**Sample No:** VCP441917  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** W14836



### SAMPLE INFORMATION

Sample Number	VCP441917	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	966	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



### CONTAMINATION

Particles >4µm		█ 13241	---	---	---
Particles >6µm		█ 3698	---	---	---
Particles >14µm		▲ 303	---	---	---
ISO 4406:1999 (c)		█ 21/19/15	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

### 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	█ 3	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 49	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 433	---	---	---
Phosphorus	ppm	█ 301	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0080  
**Unique No:** 10701968  
**Signed:** Wes Davis  
**Report Date:** 23 Oct 2023

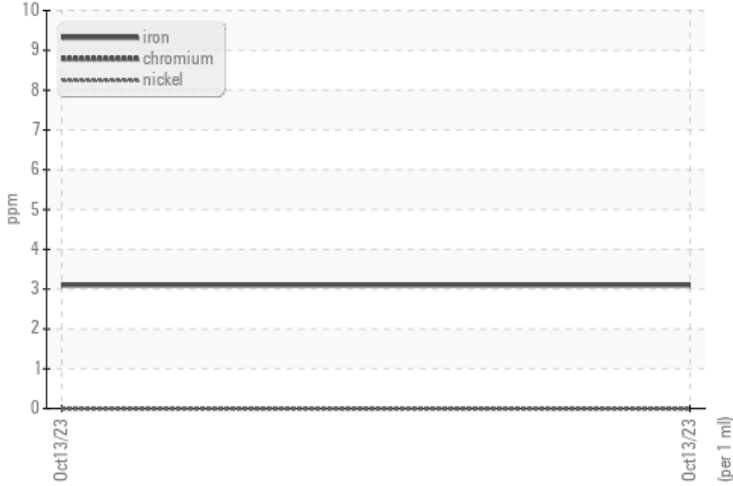


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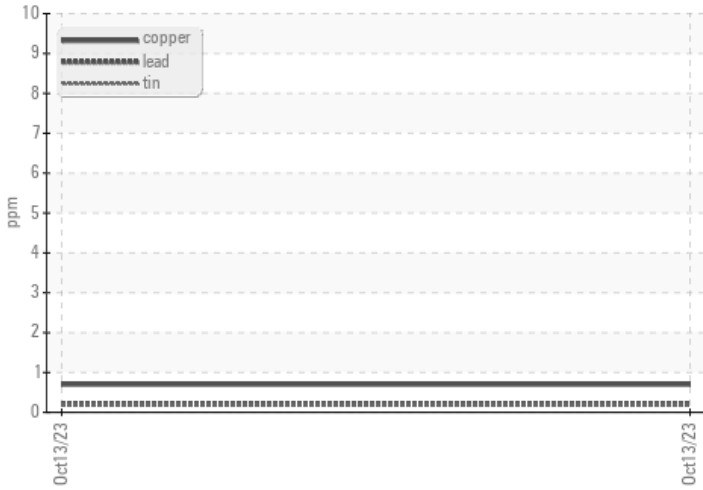


## GRAPHS

### Ferrous Alloys



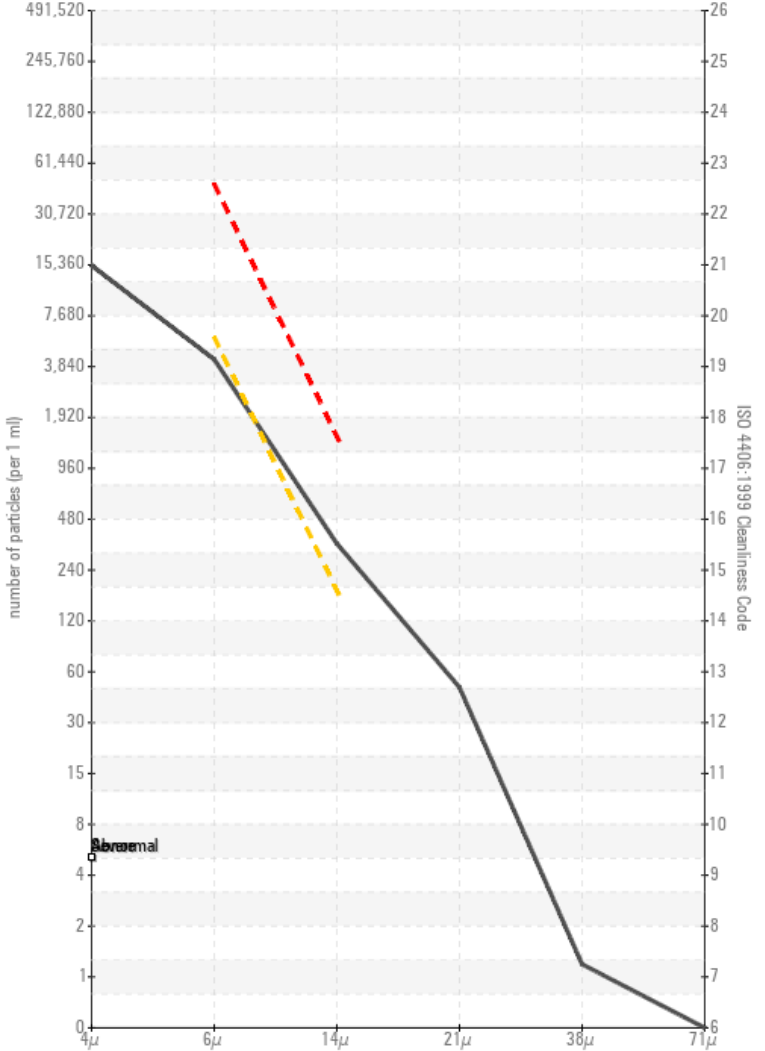
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

