



# CONSTRUCTION EQUIPMENT

## W05003895 VOLVO EC300 316329 - HYDRAULIC SYSTEM



**Sample No:** VCP418325  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** W05003895



### SAMPLE INFORMATION

Sample Number	VCP418325	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	1969	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	---	---	---



### CONTAMINATION

Particles >4µm		█ 1988	---	---	---
Particles >6µm		█ 119	---	---	---
Particles >14µm		█ 13	---	---	---
ISO 4406:1999 (c)		18/14/11	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	█ 6	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



### ADDITIVES

Calcium	ppm	█ 65	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 457	---	---	---
Phosphorus	ppm	█ 366	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0002  
**Unique No:** 10696849  
**Signed:** Don Baldrige  
**Report Date:** 17 Oct 2023

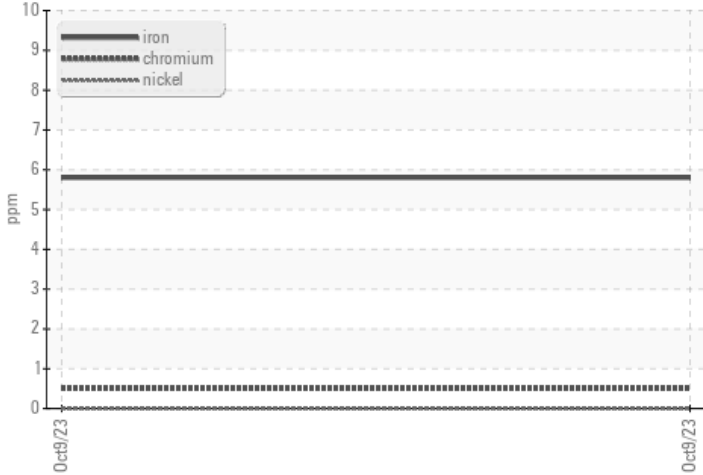


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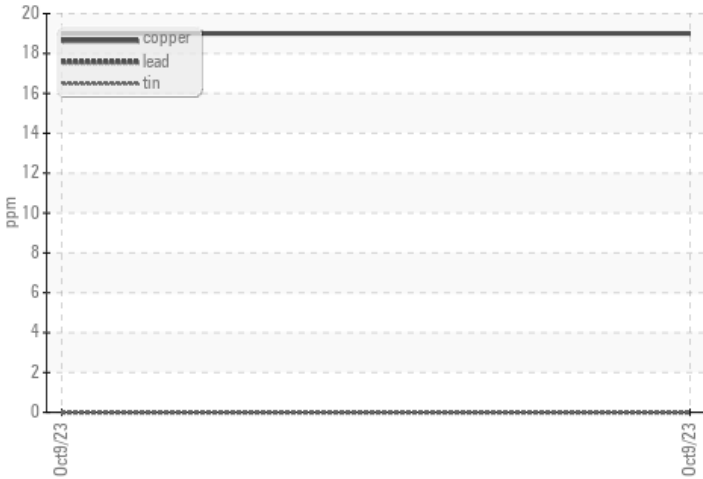


## VOLVO GRAPHS

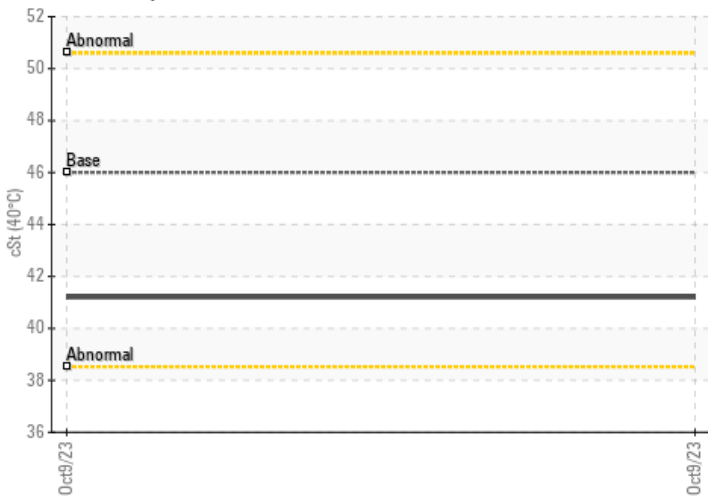
### Ferrous Alloys



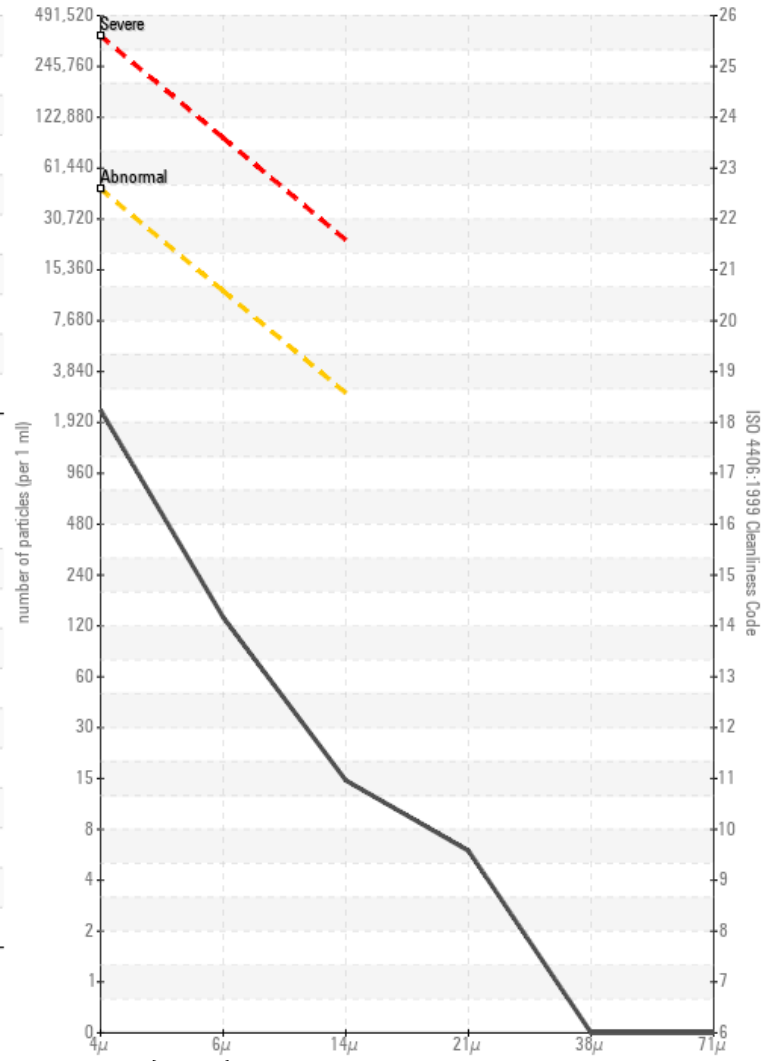
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

