



# CONSTRUCTION EQUIPMENT

## 407603 VOLVO EC480 314580 - HYDRAULIC SYSTEM



**Sample No:** VCP419583  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 407603



**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
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### SAMPLE INFORMATION

Sample Number	VCP419583	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	4524	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.04	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 11418	---	---	---
Particles >6µm		█ 694	---	---	---
Particles >14µm		█ 33	---	---	---
ISO 4406:1999 (c)		21/17/12	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	1063	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 818	---	---	---
Phosphorus	ppm	█ 652	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### 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.

**Depot:** VOLVO0090  
**Unique No:** 10767515  
**Signed:** Don Baldrige  
**Report Date:** 05 Dec 2023

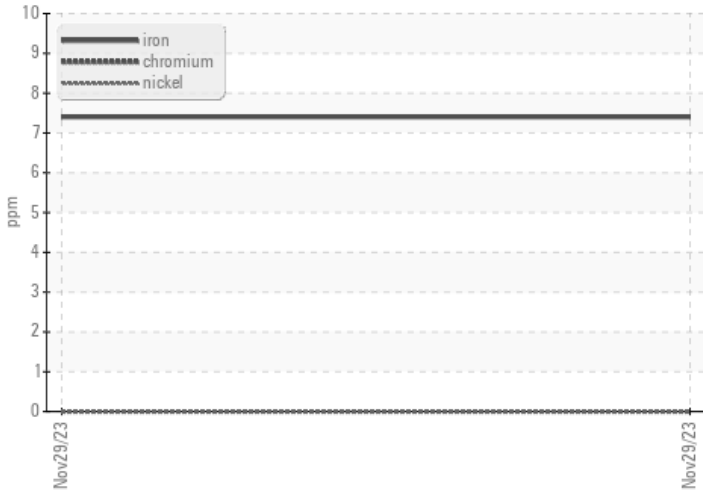


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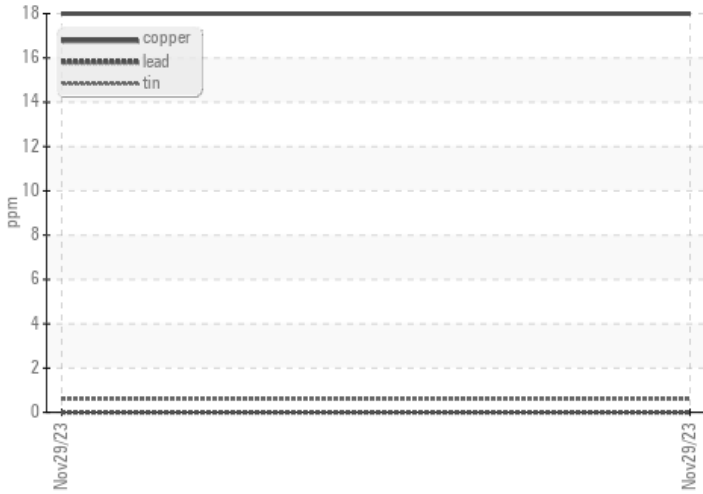


## GRAPHS

### Ferrous Alloys



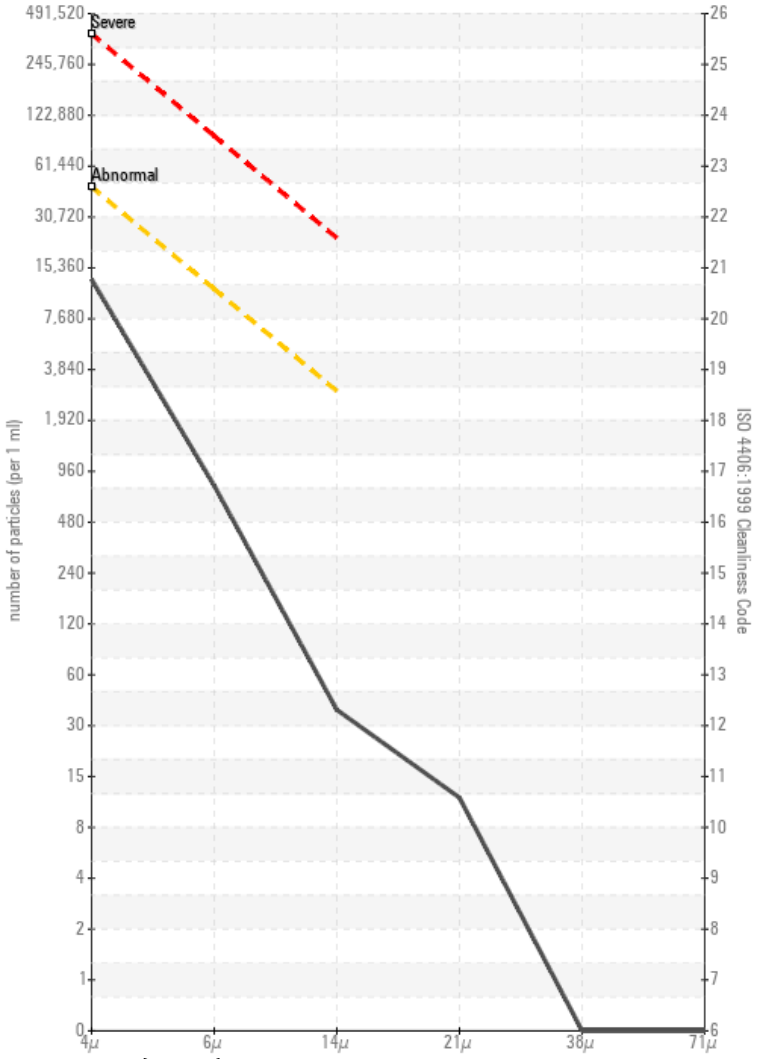
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

