



# CONSTRUCTION EQUIPMENT

## X39607 3148 - HYDRAULIC SYSTEM



**Sample No:** VCP433097  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** X39607



### SAMPLE INFORMATION

Sample Number	VCP433097	---	---	---
Sample Date	03 Jul 2024	---	---	---
Machine Hours	7028	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.27	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 283350	---	---	---
Particles >6µm		▲ 176554	---	---	---
Particles >14µm		▲ 5999	---	---	---
ISO 4406:1999 (c)		25/25/20	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

### 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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 382	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 551	---	---	---
Phosphorus	ppm	█ 430	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

**Depot:** VOLVO6242  
**Unique No:** 11116699  
**Signed:** Don Baldrige  
**Report Date:** 12 Jul 2024

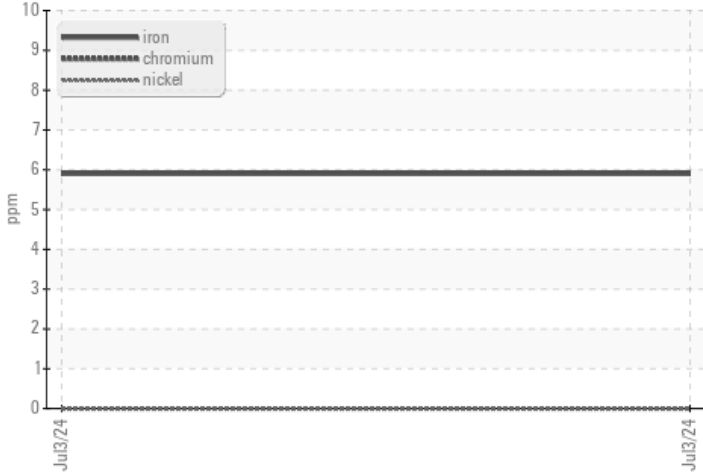


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## VOLVO GRAPHS

### Ferrous Alloys



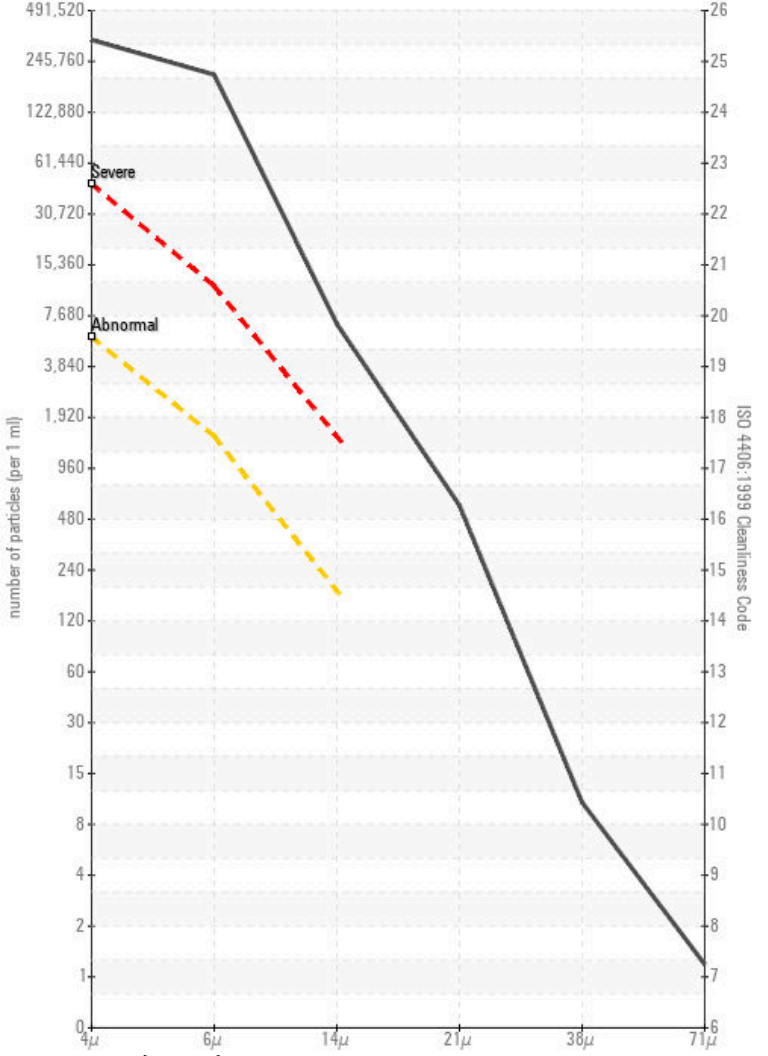
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

