



# CONSTRUCTION EQUIPMENT

543748 ASV RT40 507719 - HYDRAULIC SYSTEM



**Sample No:** VCP454837

**Oil Type:** ASV AW 46

**Job No:** 543748



## SAMPLE INFORMATION

Sample Number	VCP454837	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	390	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 46.3	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.21	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 108051	---	---	---
Particles >6µm		▲ 21693	---	---	---
Particles >14µm		▲ 1641	---	---	---
ISO 4406:1999 (c)		24/22/18	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 13	---	---	---
Potassium	ppm	■ 1	---	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other metal levels are typical for a new component breaking in. 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	▲ 75	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	57	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	150	---	---	---
Phosphorus	ppm	125	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 11023122  
**Signed:** Don Baldrige  
**Report Date:** 14 May 2024

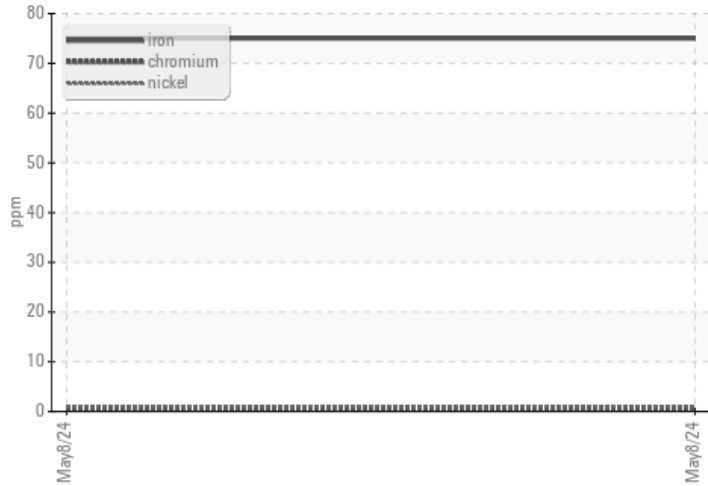


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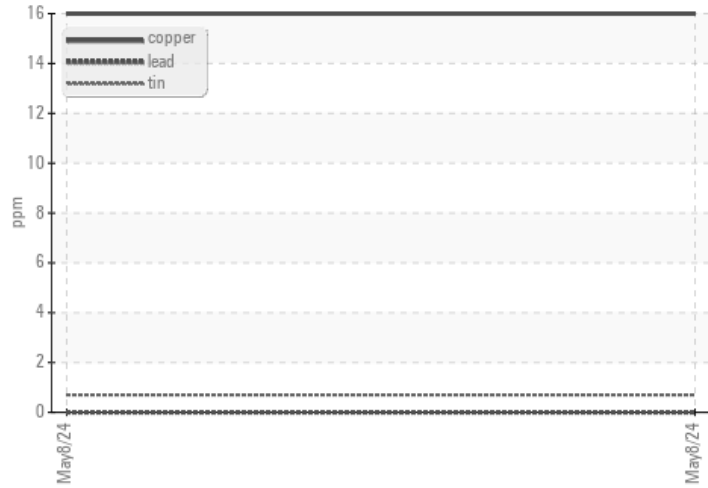


## GRAPHS

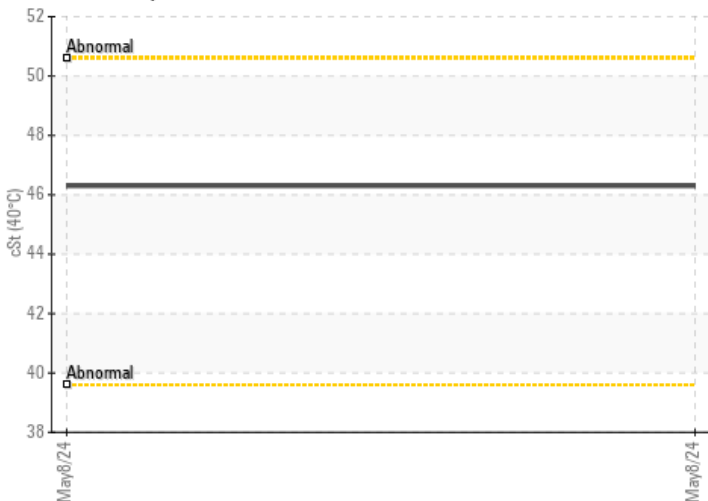
### ▲ Ferrous Alloys



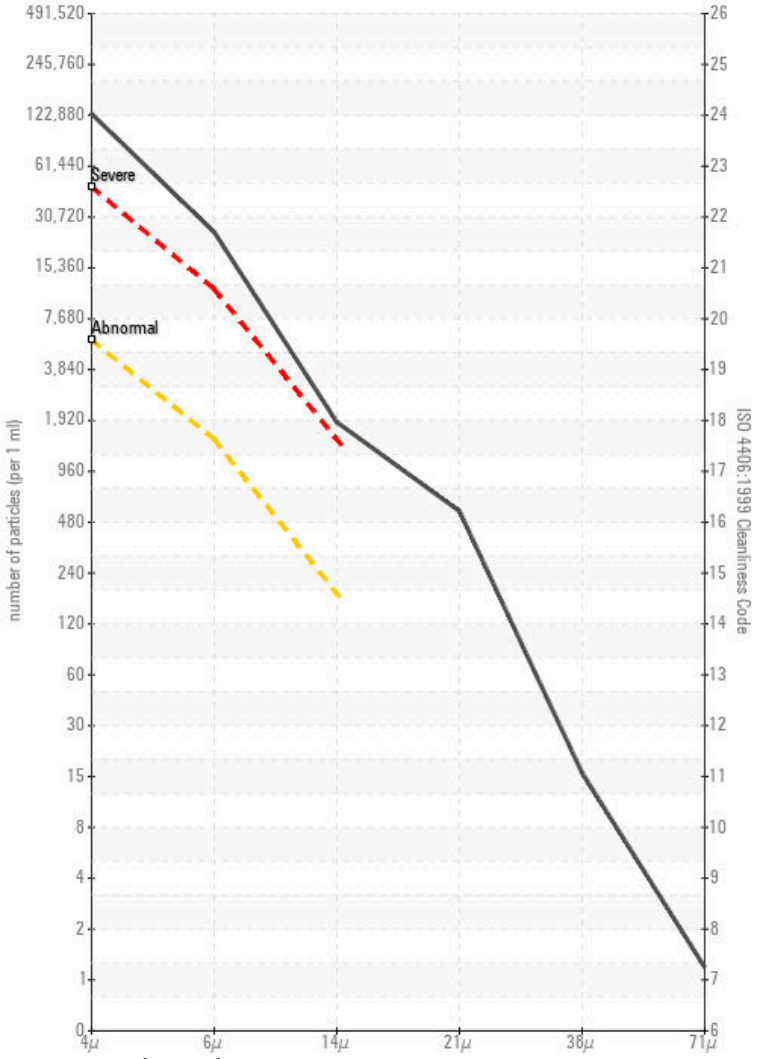
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

