



# CONSTRUCTION EQUIPMENT

A12561 LIVENGOOD VOLVO A40G 342316 - HYDRAULIC SYSTEM



**Sample No:** VCP454458  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A12561 LIVENGOOD



**HOFFMAN EQUIPMENT - LIONVILLE**  
120 GORDON DRIVE  
LIONVILLE, PA  
US 19341  
Contact: JIM FEHR  
jim.fehr@hoffmanequip.com  
T: (610)363-9200  
F: (610)594-0829



## SAMPLE INFORMATION

Sample Number	VCP454458	---	---	---
Sample Date	20 May 2024	---	---	---
Machine Hours	6030	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.26	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		7998	---	---	---
Particles >6µm		█ 1469	---	---	---
Particles >14µm		█ 69	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 232	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 458	---	---	---
Phosphorus	ppm	█ 362	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8879  
**Unique No:** 11048872  
**Signed:** Wes Davis  
**Report Date:** 29 May 2024

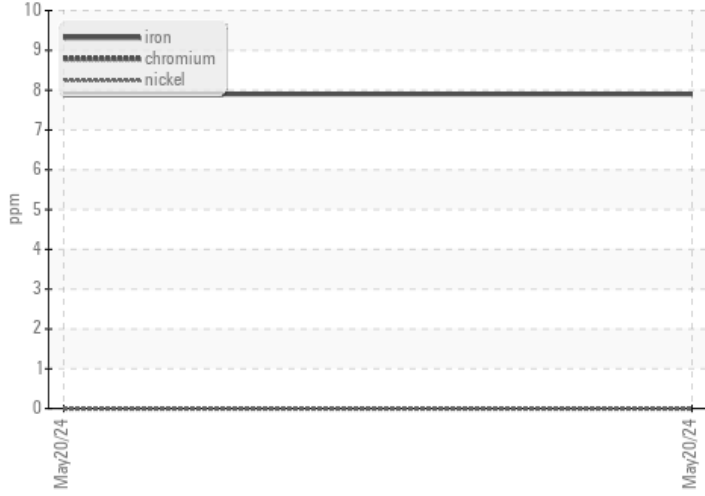


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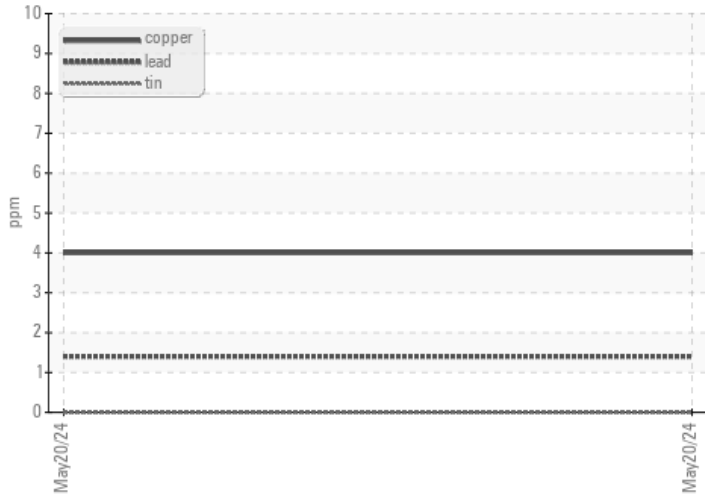


## VOLVO GRAPHS

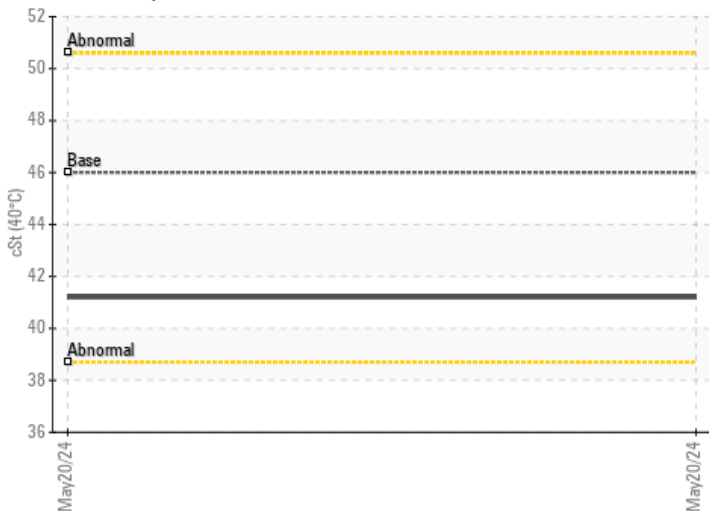
### Ferrous Alloys



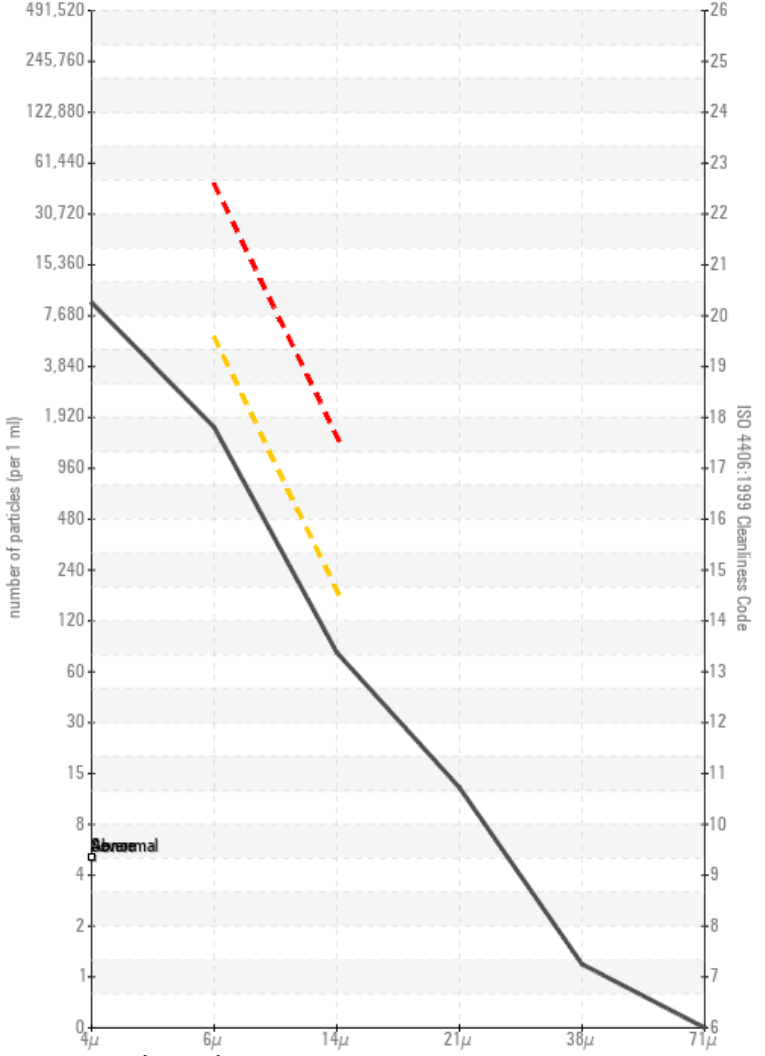
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

