



# CONSTRUCTION EQUIPMENT

## D12626 VOLVO L120F 72094 - HYDRAULIC SYSTEM



**Sample No:** VCP418694  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** D12626



### SAMPLE INFORMATION

Sample Number	VCP418694	VCP381218	---	---
Sample Date	17 Aug 2023	27 Oct 2022	---	---
Machine Hours	7021	6635	---	---
Oil Hours	386	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	█ 43.9	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	█ 0.11	---	---



### CONTAMINATION

Particles >4µm		▲ 17337	█ 3093	---	---
Particles >6µm		▲ 3394	█ 407	---	---
Particles >14µm		█ 157	█ 29	---	---
ISO 4406:1999 (c)		21/19/14	19/16/12	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ 0	█ 1	---	---

### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 98	107	---	---
Magnesium	ppm	█ 15	<1	---	---
Zinc	ppm	█ 333	99	---	---
Phosphorus	ppm	█ 395	426	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 0	0	---	---

**Depot:** VOLVO0069  
**Unique No:** 10616079  
**Signed:** Wes Davis  
**Report Date:** 23 Aug 2023

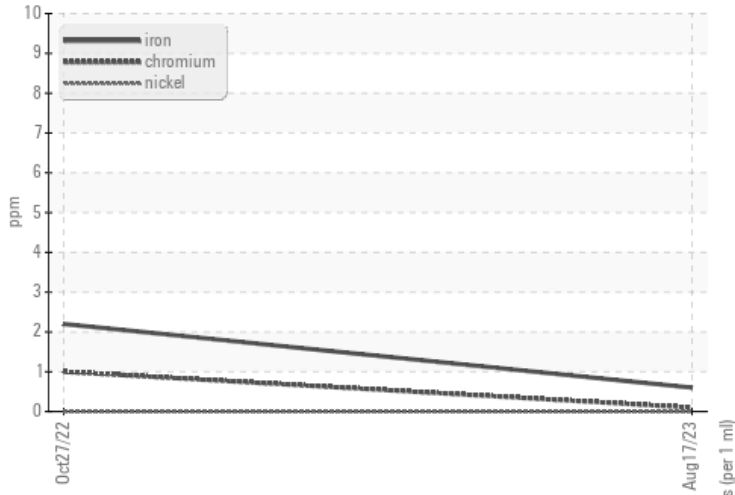


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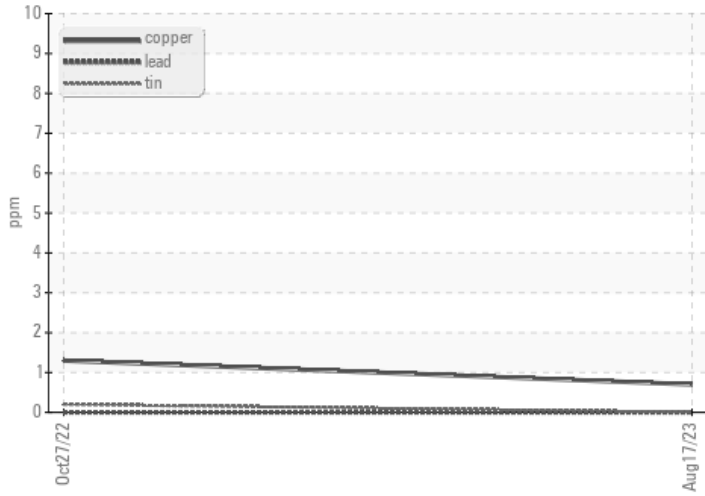


## GRAPHS

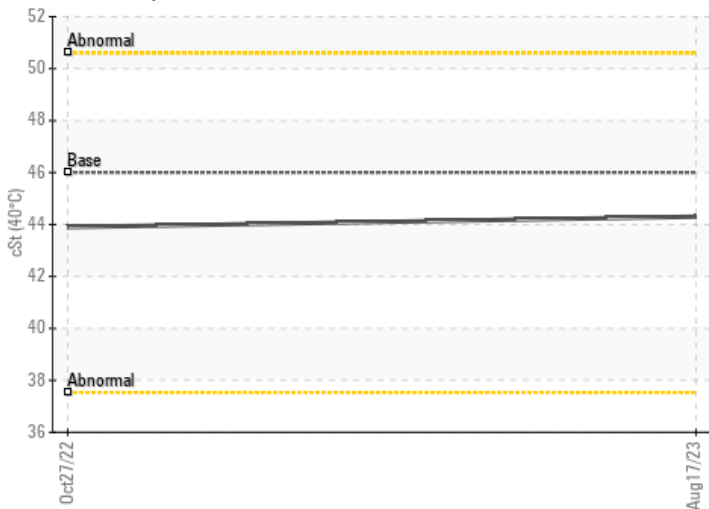
### Ferrous Alloys



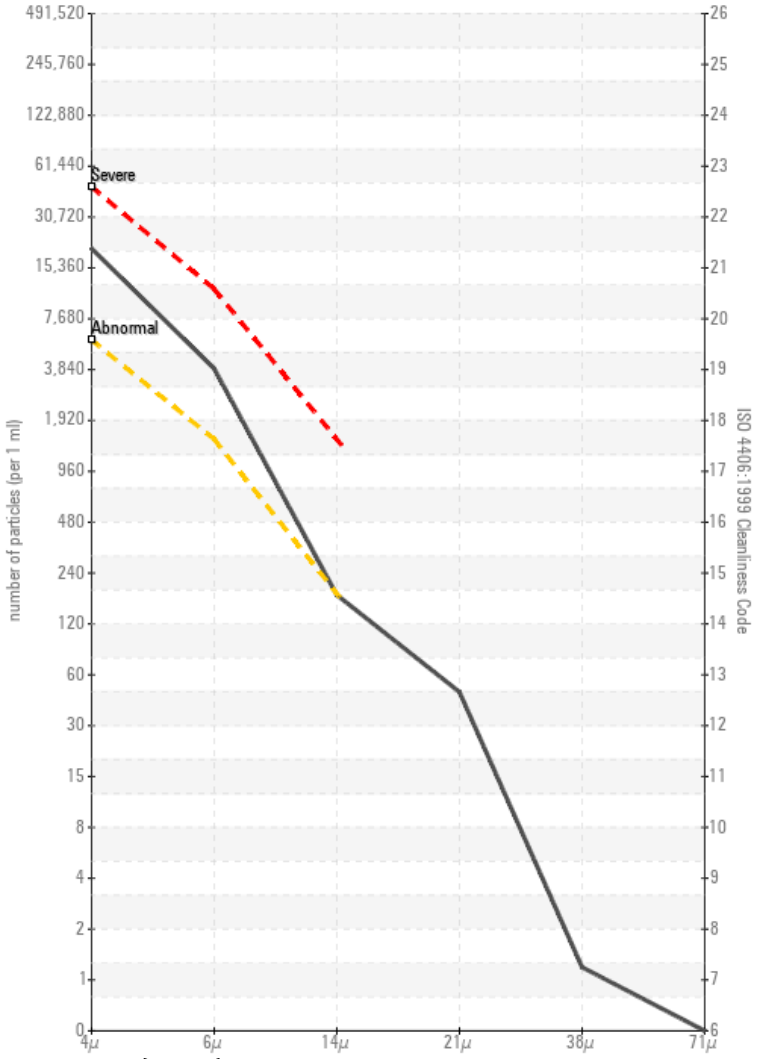
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

