



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 632767 - HYDRAULIC SYSTEM



**Sample No:** VCP437869  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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### SAMPLE INFORMATION

Sample Number	<b>VCP437869</b>	VCP422682	VCP334530	---
Sample Date	<b>13 Mar 2024</b>	03 Aug 2023	10 Nov 2021	---
Machine Hours	<b>5535</b>	4536	1898	---
Oil Hours	<b>0</b>	4000	0	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.8</b>	44.1	47.7	---
Acid Number (AN)	mg KOH/g	<b>0.56</b>	0.38	0.409	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>6080</b>	---	14650	---
Particles >6µm		<b>605</b>	---	517	---
Particles >14µm		<b>31</b>	---	20	---
ISO 4406:1999 (c)		<b>20/16/12</b>	---	21/16/11	---
Silicon	ppm	<b>5</b>	2	4	---
Sodium	ppm	<b>3</b>	2	<1	---
Potassium	ppm	<b>1</b>	0	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 light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>14</b>	4	5	---
Copper	ppm	<b>5</b>	1	1	---
Lead	ppm	<b>4</b>	<1	<1	---
Tin	ppm	<b>3</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	0	---
Chromium	ppm	<b>&lt;1</b>	<1	1	---
Molybdenum	ppm	<b>&lt;1</b>	14	7	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	<1	0	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>38</b>	262	83	---
Magnesium	ppm	<b>&lt;1</b>	17	14	---
Zinc	ppm	<b>369</b>	486	375	---
Phosphorus	ppm	<b>283</b>	410	318	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	3	2	---

**Depot:** VOLVO0093  
**Unique No:** 10940526  
**Signed:** Wes Davis  
**Report Date:** 25 Mar 2024

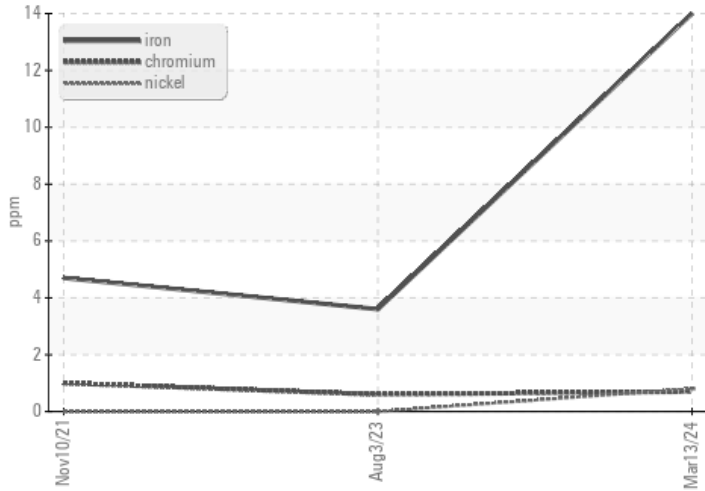


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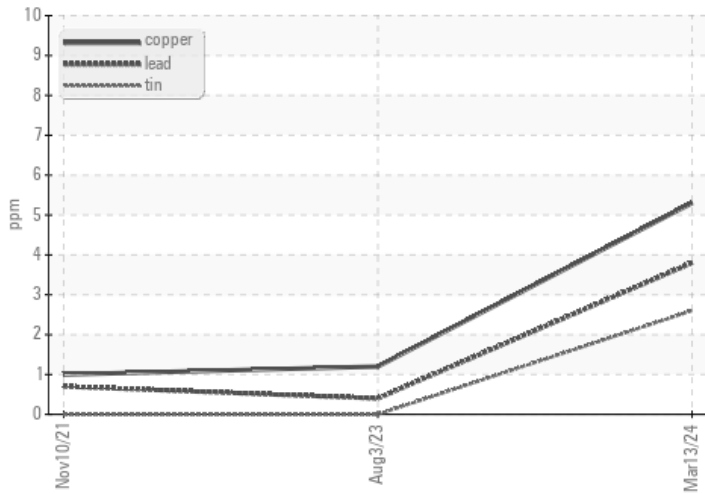


## VOLVO GRAPHS

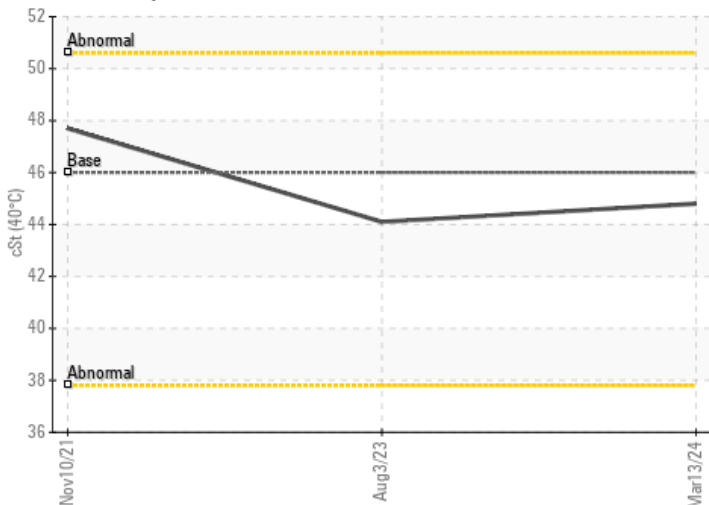
Ferrous Alloys



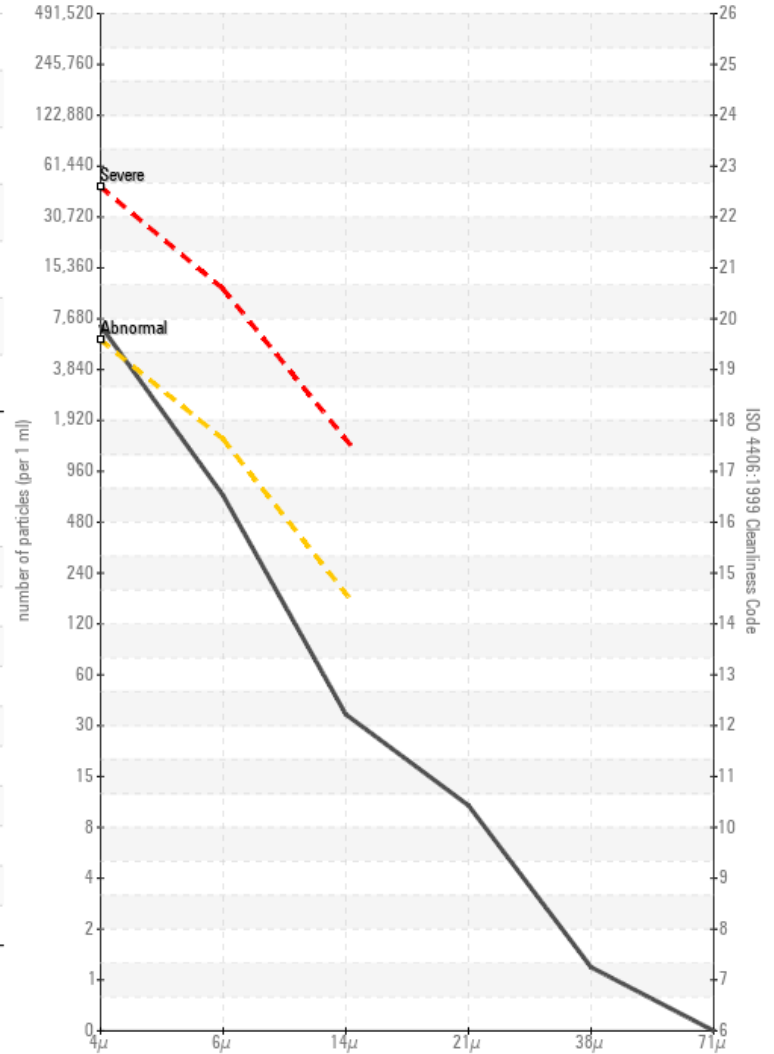
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

