



# CONSTRUCTION EQUIPMENT

## 687904 ATLAS ORGANIC VOLVO L70H 624676 - HYDRAULIC SYSTEM



**Sample No:** VCP444164  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 687904 ATLAS ORGANIC



### SAMPLE INFORMATION

Sample Number	<b>VCP444164</b>	VCP411613	VCP355083	---
Sample Date	<b>15 Mar 2024</b>	14 Aug 2023	20 Jun 2022	---
Machine Hours	<b>3027</b>	2061	428	---
Oil Hours	<b>3027</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.3</b>	42.8	43.5	---
Acid Number (AN)	mg KOH/g	<b>0.28</b>	0.34	0.41	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>5543</b>	10155	59333	---
Particles >6µm		<b>1066</b>	2729	5340	---
Particles >14µm		<b>47</b>	279	243	---
ISO 4406:1999 (c)		<b>20/17/13</b>	21/19/15	23/20/15	---
Silicon	ppm	<b>2</b>	2	2	---
Sodium	ppm	<b>&lt;1</b>	1	<1	---
Potassium	ppm	<b>&lt;1</b>	0	<1	---

### 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>6</b>	4	5	---
Copper	ppm	<b>&lt;1</b>	1	1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	0	0	---
Chromium	ppm	<b>&lt;1</b>	0	0	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	0	0	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>66</b>	67	57	---
Magnesium	ppm	<b>6</b>	5	4	---
Zinc	ppm	<b>387</b>	406	422	---
Phosphorus	ppm	<b>313</b>	333	324	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	4	---

**Depot:** VOLVO0093  
**Unique No:** 10975880  
**Signed:** Wes Davis  
**Report Date:** 12 Apr 2024

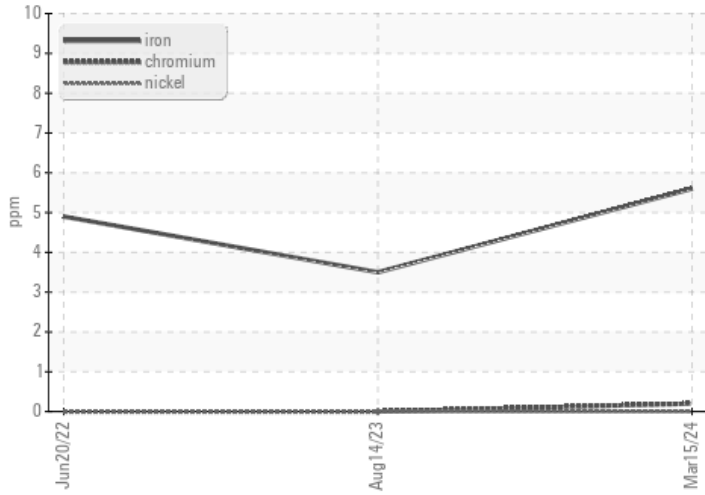


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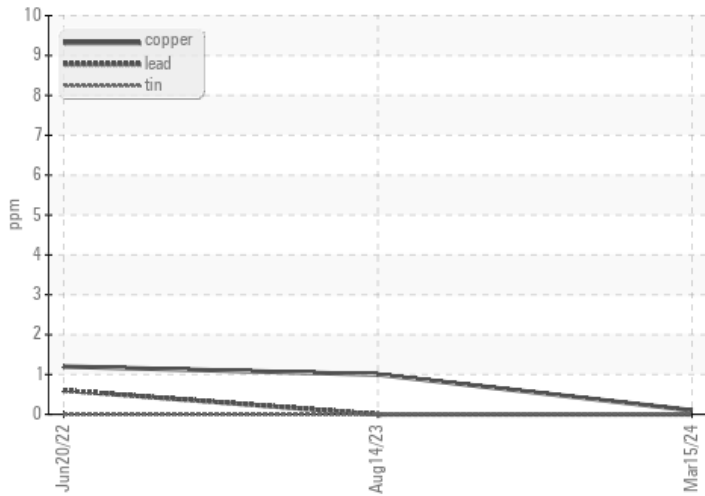


## VOLVO GRAPHS

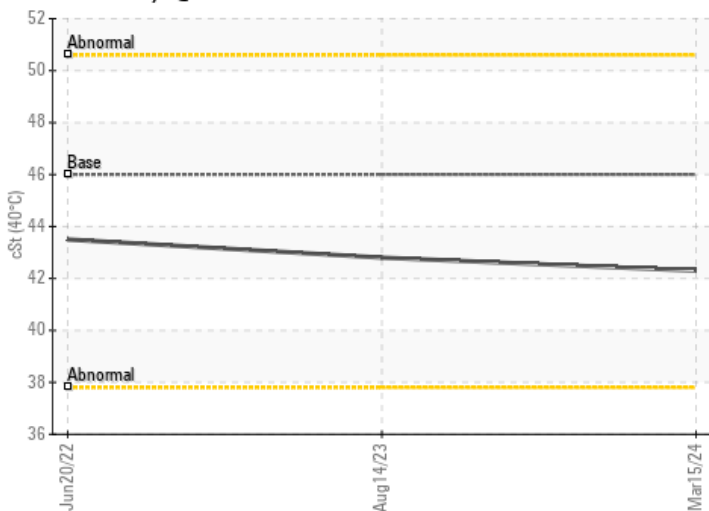
### Ferrous Alloys



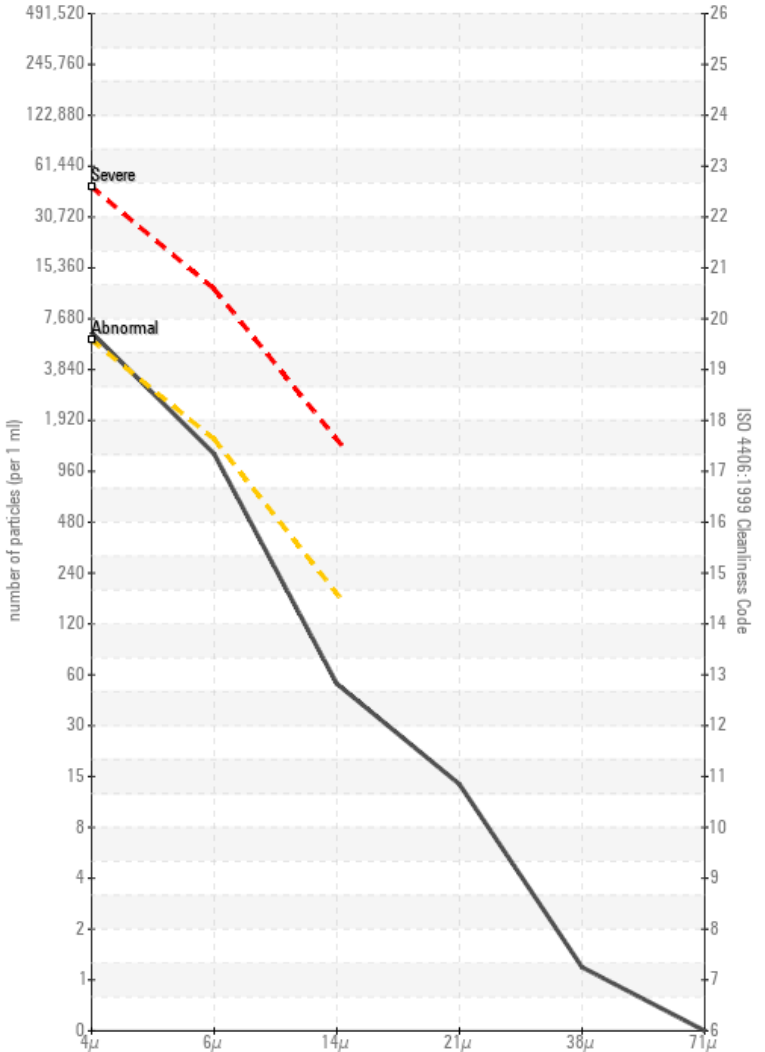
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

