



# CONSTRUCTION EQUIPMENT

## A11504 VOLVO L60H 623331 - HYDRAULIC SYSTEM



**Sample No:** VCP430952  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A11504



### SAMPLE INFORMATION

Sample Number	<b>VCP430952</b>	VCP430375	---	---
Sample Date	<b>22 Nov 2023</b>	25 Sep 2023	---	---
Machine Hours	<b>1065</b>	580	---	---
Oil Hours	<b>1065</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	N/A	---	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	---	---

### COVANTA ENERGY

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	42.9	---	---
Acid Number (AN)	mg KOH/g	<b>0.35</b>	0.39	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>13307</b>	141471	---	---
Particles >6µm		<b>2476</b>	82829	---	---
Particles >14µm		<b>115</b>	10700	---	---
ISO 4406:1999 (c)		<b>21/18/14</b>	24/24/21	---	---
Silicon	ppm	<b>2</b>	3	---	---
Sodium	ppm	<b>1</b>	<1	---	---
Potassium	ppm	<b>0</b>	<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>1</b>	3	---	---
Copper	ppm	<b>1</b>	1	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>0</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>69</b>	74	---	---
Magnesium	ppm	<b>2</b>	4	---	---
Zinc	ppm	<b>419</b>	464	---	---
Phosphorus	ppm	<b>325</b>	333	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** COVCHE  
**Unique No:** 10776130  
**Signed:** Wes Davis  
**Report Date:** 07 Dec 2023

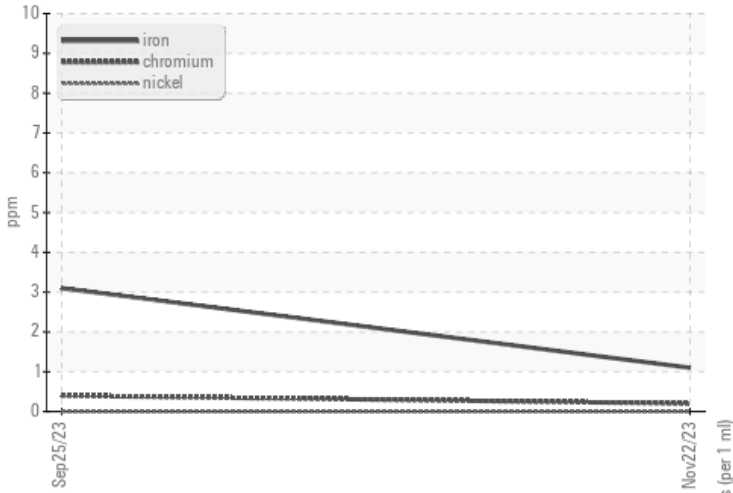


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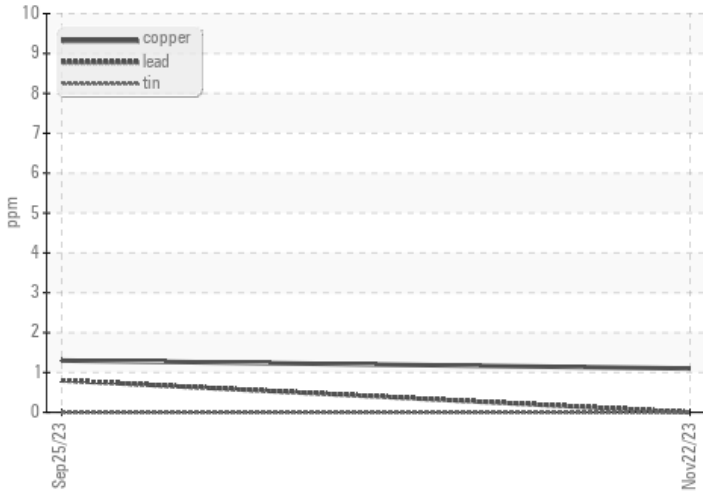


## VOLVO GRAPHS

### Ferrous Alloys



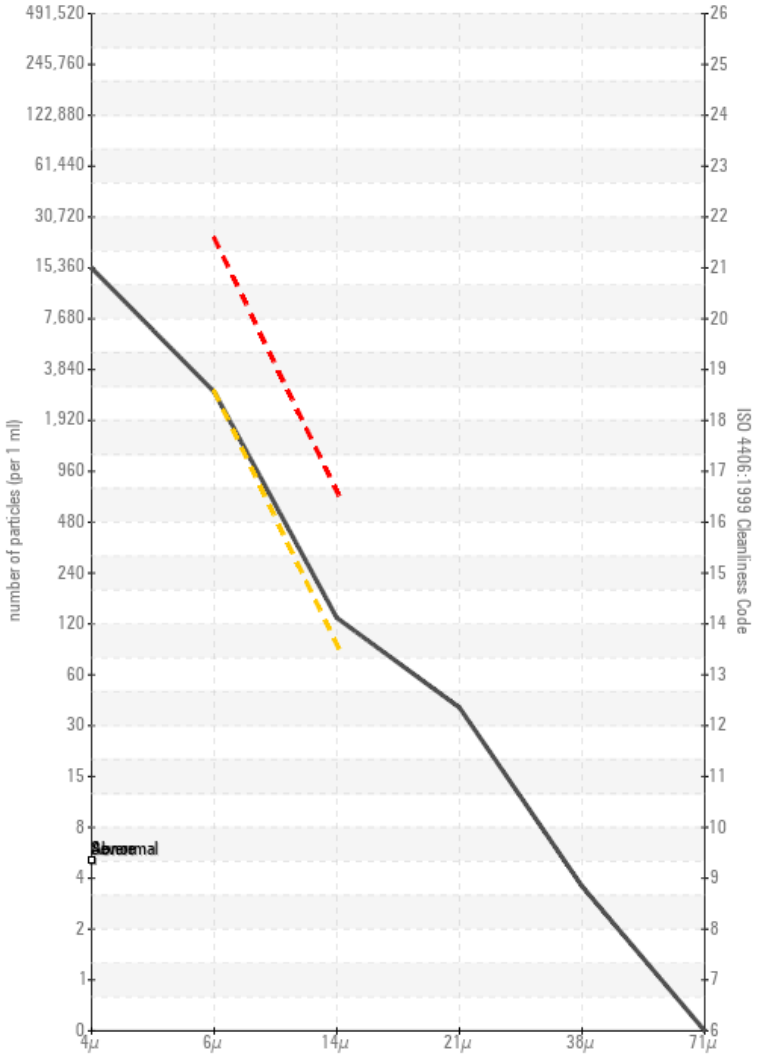
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

