



# CONSTRUCTION EQUIPMENT

## 225249 CRC VOLVO L120H 632093 - HYDRAULIC SYSTEM



**Sample No:** VCP424170  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 225249 CRC



### SAMPLE INFORMATION

Sample Number	<b>VCP424170</b>	VCP424202	VCP403240	VCP346233
Sample Date	<b>21 Sep 2023</b>	07 Sep 2023	01 Aug 2023	31 Mar 2023
Machine Hours	<b>19017</b>	18922	18768	0
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	N/A
Sample Status	<b>ATTENTION</b>	ABNORMAL	SEVERE	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	43.2	42.3	42.3
Acid Number (AN)	mg KOH/g	<b>0.40</b>	0.35	0.43	0.32



### CONTAMINATION

Particles >4µm		<b>4189</b>	19181	127045	450
Particles >6µm		<b>1532</b>	6114	51021	137
Particles >14µm		<b>134</b>	435	1775	11
ISO 4406:1999 (c)		<b>19/18/14</b>	21/20/16	24/23/18	16/14/11
Silicon	ppm	<b>2</b>	2	5	2
Sodium	ppm	<b>0</b>	0	6	6
Potassium	ppm	<b>1</b>	0	3	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>2</b>	1	4	4
Copper	ppm	<b>&lt;1</b>	<1	4	2
Lead	ppm	<b>0</b>	<1	2	0
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>0</b>	<1	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	0	2	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>60</b>	67	88	99
Magnesium	ppm	<b>2</b>	3	2	6
Zinc	ppm	<b>441</b>	472	402	487
Phosphorus	ppm	<b>331</b>	365	326	387
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO1271  
**Unique No:** 10674256  
**Signed:** Wes Davis  
**Report Date:** 04 Oct 2023

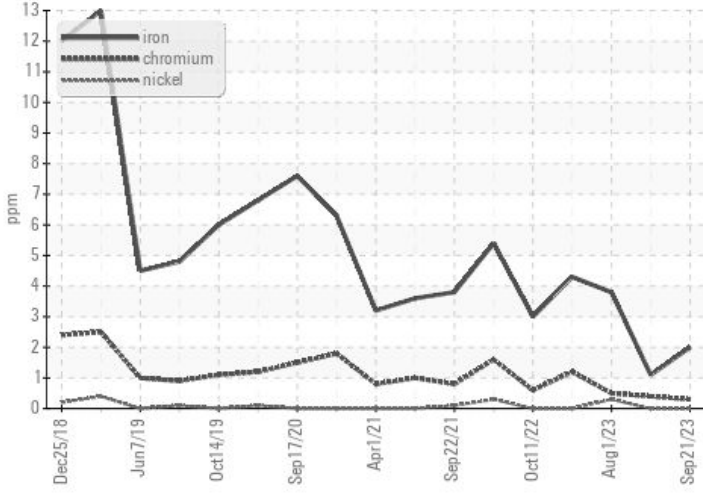


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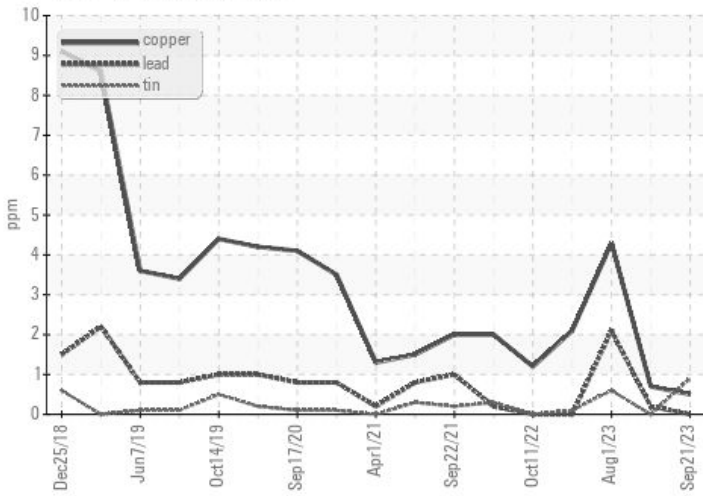


## GRAPHS

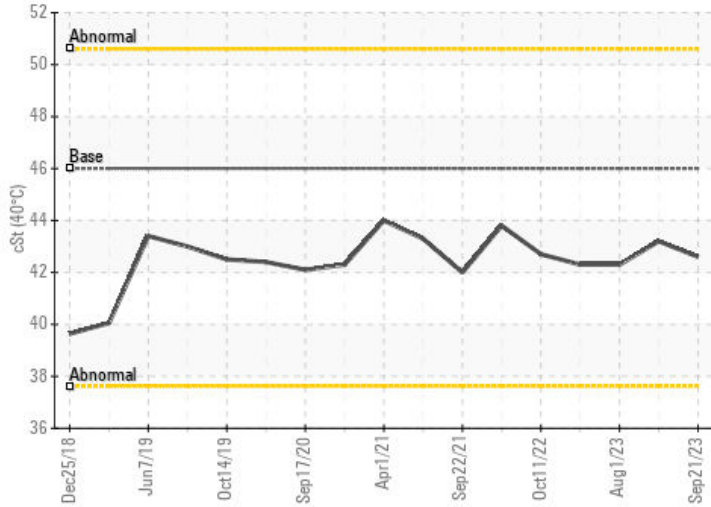
Ferrous Alloys



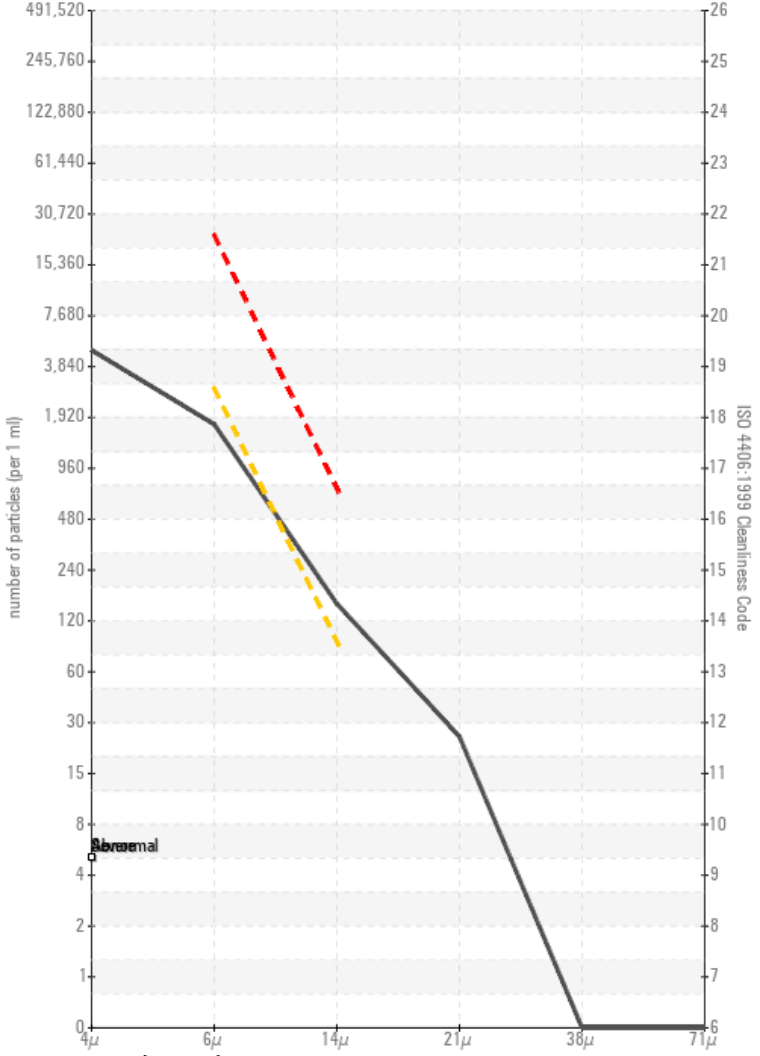
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

