



# CONSTRUCTION EQUIPMENT

## 717593 GENERAL RV VOLVO L20H 1220370 - HYDRAULIC SYSTEM



**Sample No:** VCP444450  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 717593 GENERAL RV



### SAMPLE INFORMATION

Sample Number	<b>VCP444450</b>	VCP428548	VCP425798	VCP425800
Sample Date	<b>03 Jun 2024</b>	31 Dec 2023	17 Jul 2023	17 Jul 2023
Machine Hours	<b>4852</b>	3907	0	3412
Oil Hours	<b>500</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	N/A
Sample Status	<b>ATTENTION</b>	NORMAL	SEVERE	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	40.6	41.9	94.0
Acid Number (AN)	mg KOH/g	<b>0.44</b>	0.47	0.44	0.99



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>3426</b>	4479	12259	171481
Particles >6µm		<b>995</b>	631	3344	18066
Particles >14µm		<b>108</b>	55	382	44
ISO 4406:1999 (c)		<b>19/17/14</b>	19/16/13	21/19/16	25/21/13
Silicon	ppm	<b>1</b>	2	3	5
Sodium	ppm	<b>&lt;1</b>	2	2	0
Potassium	ppm	<b>0</b>	0	2	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>3</b>	4	3	4
Copper	ppm	<b>1</b>	5	3	<1
Lead	ppm	<b>0</b>	<1	1	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	0	<1	46
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>62</b>	44	57	1676
Magnesium	ppm	<b>4</b>	0	4	498
Zinc	ppm	<b>426</b>	410	419	1130
Phosphorus	ppm	<b>352</b>	312	344	940
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>0</b>	0	0	39

**Depot:** VOLVO0093  
**Unique No:** 11126521  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024

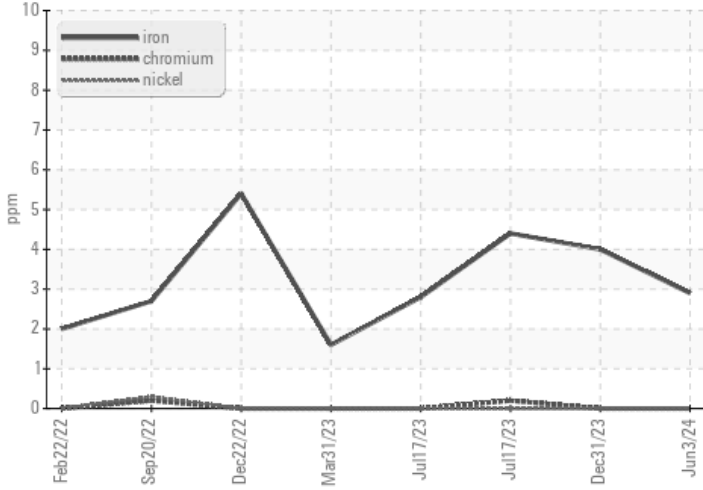


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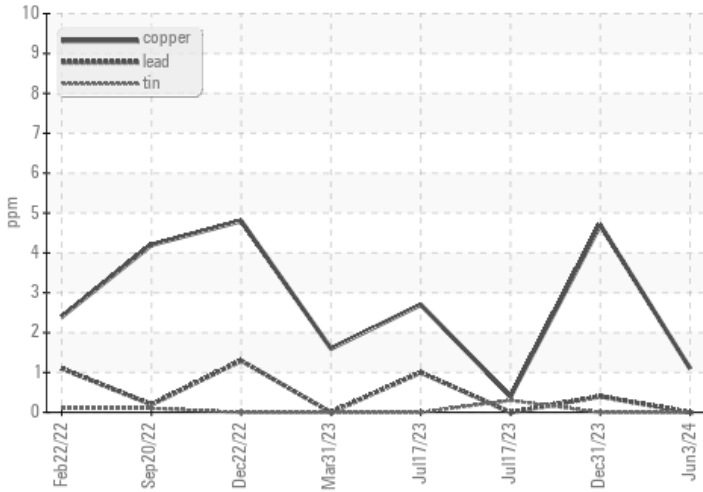


## VOLVO GRAPHS

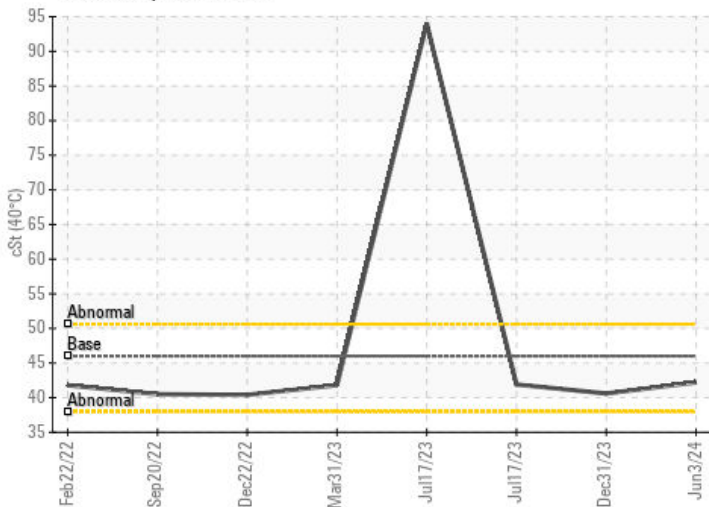
### Ferrous Alloys



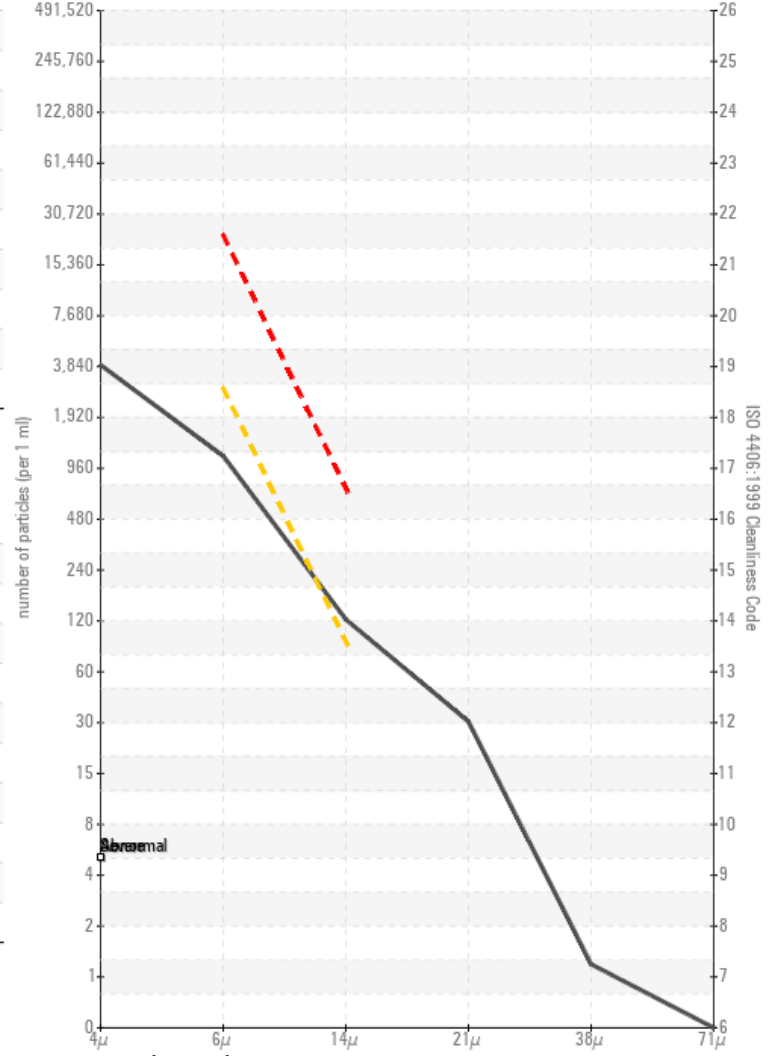
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

