



# CONSTRUCTION EQUIPMENT

## 399094 VOLVO L120H 632528 - HYDRAULIC SYSTEM



**Sample No:** VCP434077  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 399094



### SAMPLE INFORMATION

Sample Number	<b>VCP434077</b>	VCP427060	VCP399288	VCP376951
Sample Date	<b>26 Oct 2023</b>	20 Jun 2023	04 Jan 2023	09 Aug 2022
Machine Hours	<b>11506</b>	10902	9678	8817
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**FORESTRY RESOURCES**  
 4353 MICHIGAN LINK  
 FORT MYERS, FL  
 US 33916  
 Contact: COREY MUELLER

### OIL CONDITION

Visc @ 40°C	cSt	<b>54.0</b>	53.8	49.9	51.4
Acid Number (AN)	mg KOH/g	<b>0.40</b>	0.35	0.31	0.33

T: (239)872-1856  
 F:

### CONTAMINATION

Particles >4µm	<b>3005</b>	5061	1454	3798	
Particles >6µm	<b>500</b>	748	350	395	
Particles >14µm	<b>23</b>	55	37	55	
ISO 4406:1999 (c)	<b>19/16/12</b>	20/17/13	18/16/12	19/16/13	
Silicon	ppm	<b>2</b>	2	1	2
Sodium	ppm	<b>0</b>	1	<1	1
Potassium	ppm	<b>1</b>	0	0	0

**Diagnosis**  
 Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>5</b>	4	2	2
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	0	0	<1
Chromium	ppm	<b>1</b>	<1	<1	1
Molybdenum	ppm	<b>2</b>	2	2	4
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>0</b>	<1	0	0

### ADDITIVES

Calcium	ppm	<b>514</b>	465	161	151
Magnesium	ppm	<b>20</b>	16	20	19
Zinc	ppm	<b>483</b>	427	380	378
Phosphorus	ppm	<b>402</b>	379	314	312
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>13</b>	12	3	0

**Depot:** FORFOTFL  
**Unique No:** 10715449  
**Signed:** Don Baldrige  
**Report Date:** 31 Oct 2023

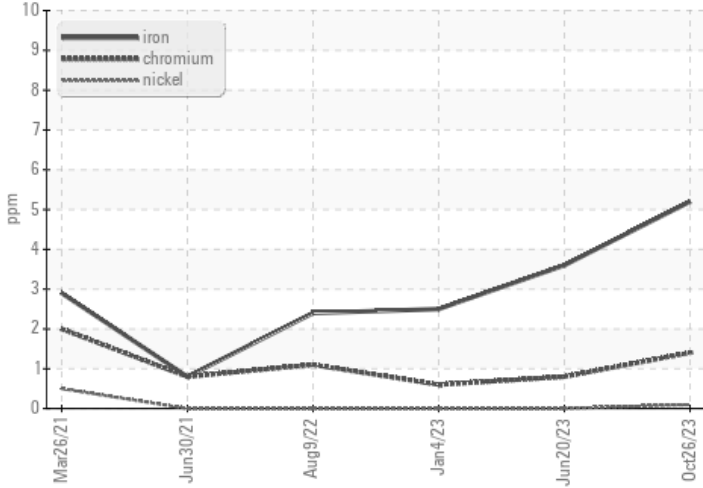


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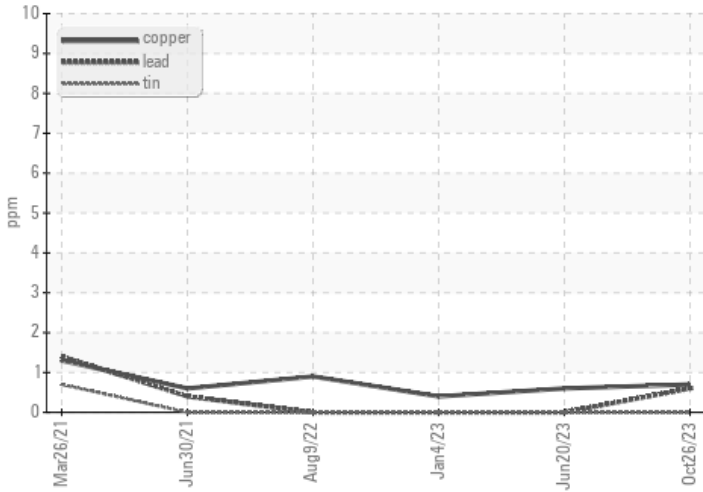


## GRAPHS

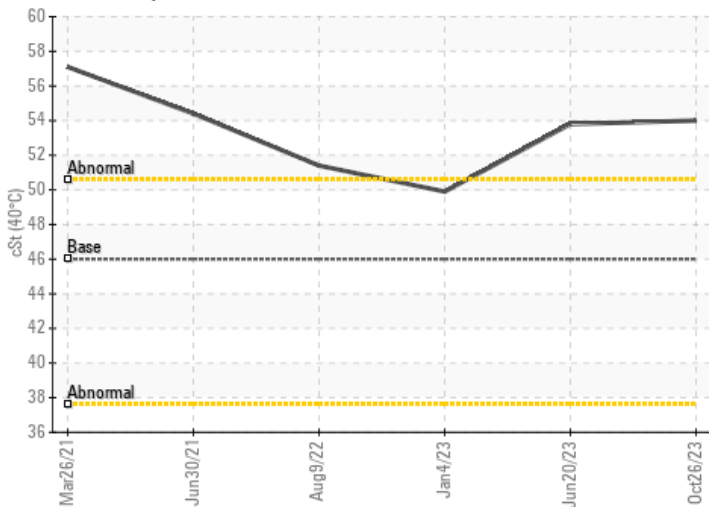
### Ferrous Alloys



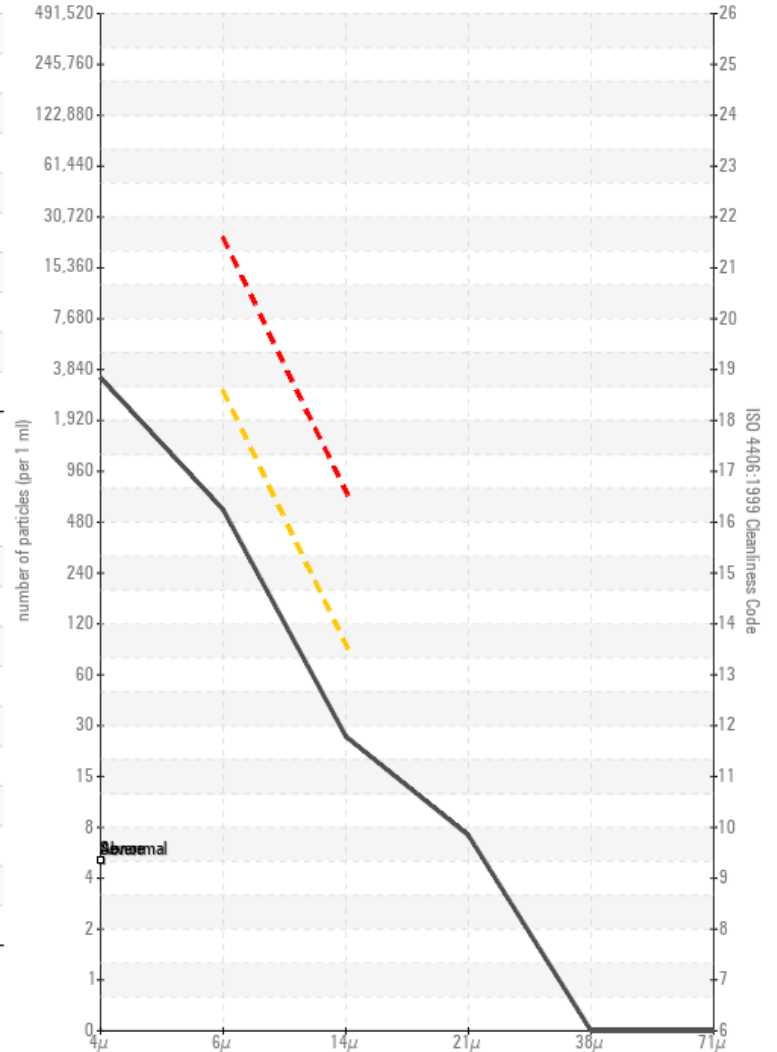
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

