



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 632105 - HYDRAULIC SYSTEM



**Sample No:** VCP444342  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444342</b>	VCP424437	VCP386130	VCP354095
Sample Date	<b>24 Apr 2024</b>	07 Jun 2023	14 Nov 2022	23 Jun 2022
Machine Hours	<b>19559</b>	18030	16686	1020
Oil Hours	<b>0</b>	4000	2000	1500
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	ABNORMAL

**OLDCASTLE LAWN AND GARDEN**  
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 DAVENPORT, FL  
 US 33837  
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 F: (863)421-1776

### OIL CONDITION

Visc @ 40°C	cSt	<b>40.8</b>	50.0	52.1	44.0
Acid Number (AN)	mg KOH/g	<b>0.25</b>	0.90	0.93	0.43

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>8835</b>	143098	149703	21102
Particles >6µm		<b>2050</b>	42521	64478	4598
Particles >14µm		<b>77</b>	391	1584	189
ISO 4406:1999 (c)		<b>20/18/13</b>	24/23/16	24/23/18	22/19/15
Silicon	ppm	<b>6</b>	16	17	3
Sodium	ppm	<b>2</b>	2	1	0
Potassium	ppm	<b>&lt;1</b>	0	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>11</b>	6	7	3
Copper	ppm	<b>4</b>	6	<1	2
Lead	ppm	<b>3</b>	0	0	2
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	0	1	<1
Chromium	ppm	<b>4</b>	0	0	<1
Molybdenum	ppm	<b>3</b>	<1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</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>	0	0	0

### ADDITIVES

Calcium	ppm	<b>103</b>	3047	3576	88
Magnesium	ppm	<b>12</b>	19	20	5
Zinc	ppm	<b>459</b>	1274	1351	468
Phosphorus	ppm	<b>353</b>	1009	1071	349
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	106	113	<1

**Depot:** GREDAVFL  
**Unique No:** 11057474  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024

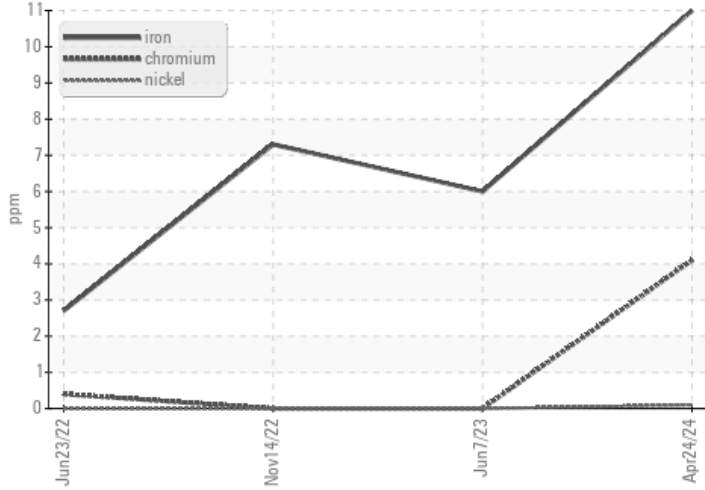


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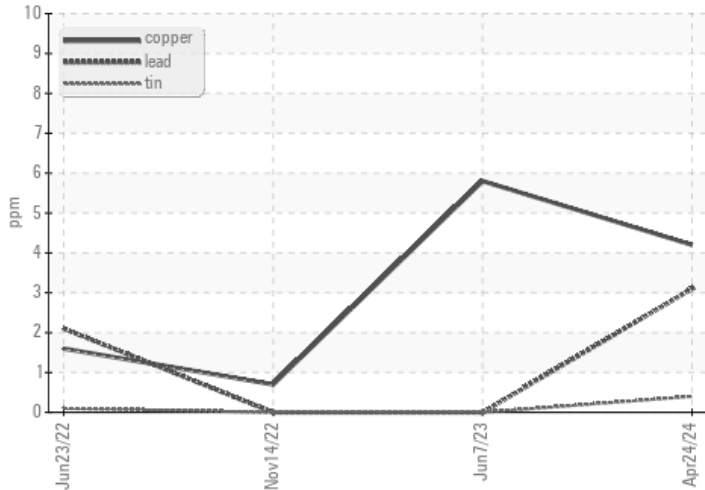


## GRAPHS

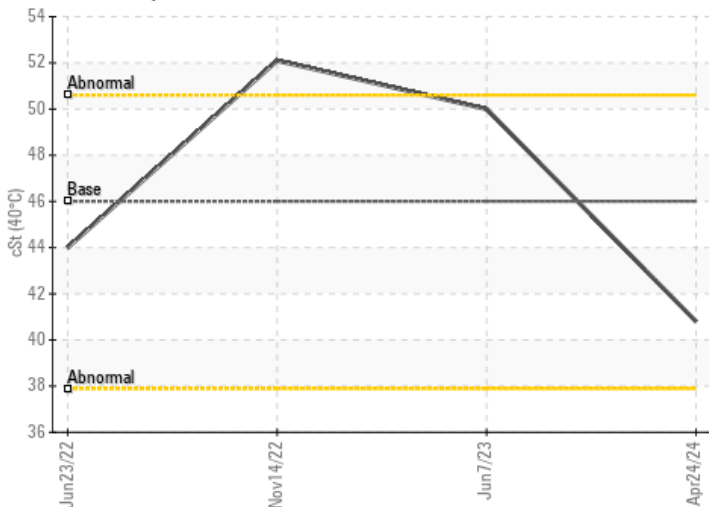
### Ferrous Alloys



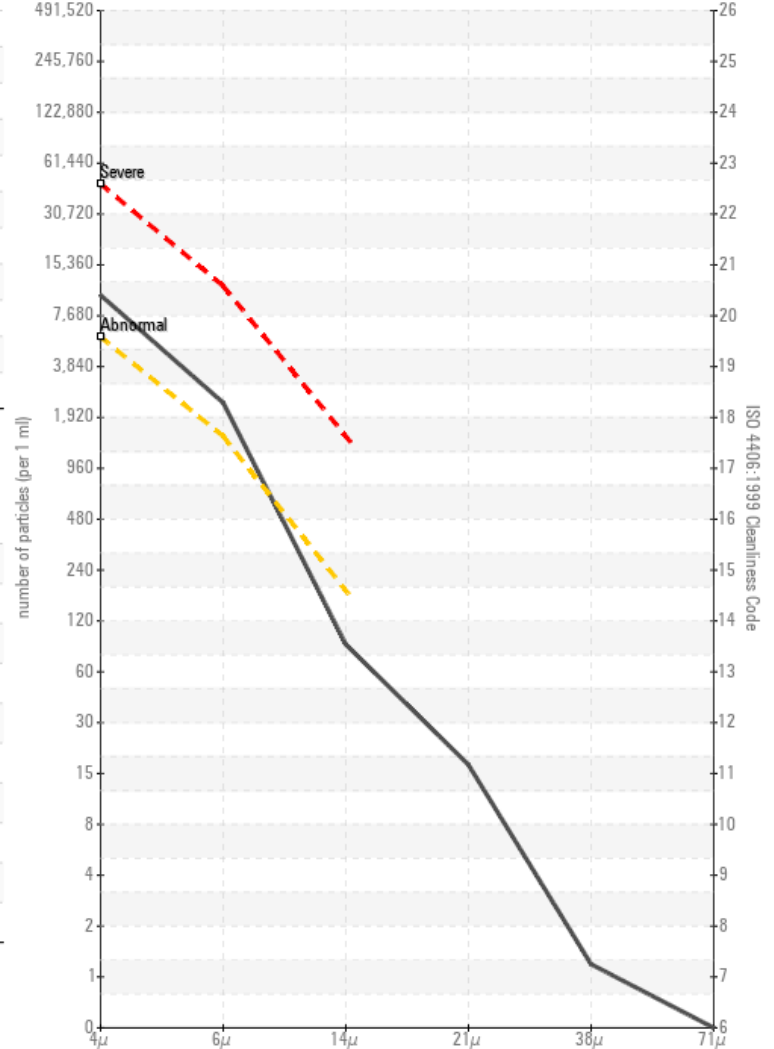
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

