



# CONSTRUCTION EQUIPMENT

## 371030 VOLVO L120H 632776 - HYDRAULIC SYSTEM



**Sample No:** VCP392290  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 371030



### SAMPLE INFORMATION

Sample Number	<b>VCP392290</b>	VCP333672	VCP334308	VCP275106
Sample Date	<b>07 Jul 2023</b>	28 Jun 2022	17 Feb 2022	12 Jul 2021
Machine Hours	<b>16001</b>	10036	8187	4085
Oil Hours	<b>4000</b>	2000	4000	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	N/A
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL



### STRONGCO EQUIPMENT INC (STE- FOY)

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	49.1	42.6	41.8
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### CONTAMINATION

Particles >4µm	<b>2192</b>	6915	1166	347	
Particles >6µm	<b>429</b>	1595	222	89	
Particles >14µm	<b>26</b>	35	12	10	
ISO 4406:1999 (c)	<b>18/16/12</b>	20/18/12	17/15/11	16/14/10	
Silicon	ppm	<b>2</b>	1	<1	2
Sodium	ppm	<b>5</b>	2	2	3
Potassium	ppm	<b>2</b>	<1	<1	2

### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.



### WEAR METALS

Iron	ppm	<b>5</b>	4	4	6
Copper	ppm	<b>2</b>	1	1	2
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>2</b>	1	3	2
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>0</b>	<1	<1	<1
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>127</b>	101	58	81
Magnesium	ppm	<b>1</b>	4	1	6
Zinc	ppm	<b>441</b>	454	421	455
Phosphorus	ppm	<b>375</b>	364	346	382
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	<1	<1	2

**Depot:** VOLV00228  
**Unique No:** 5607448  
**Signed:** Wes Davis  
**Report Date:** 18 Jul 2023

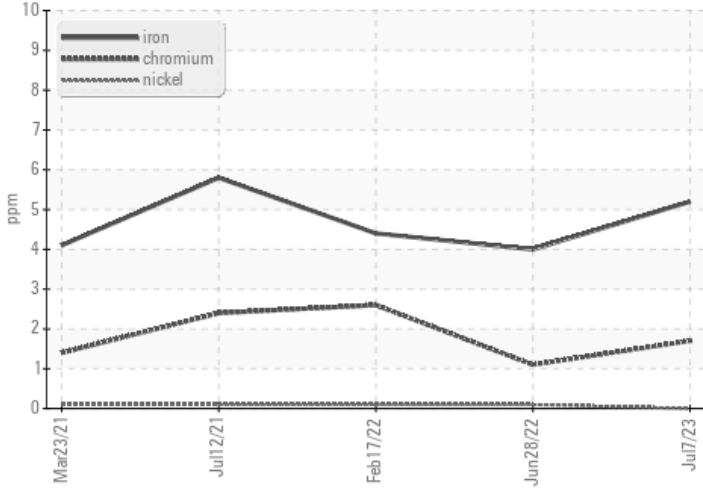


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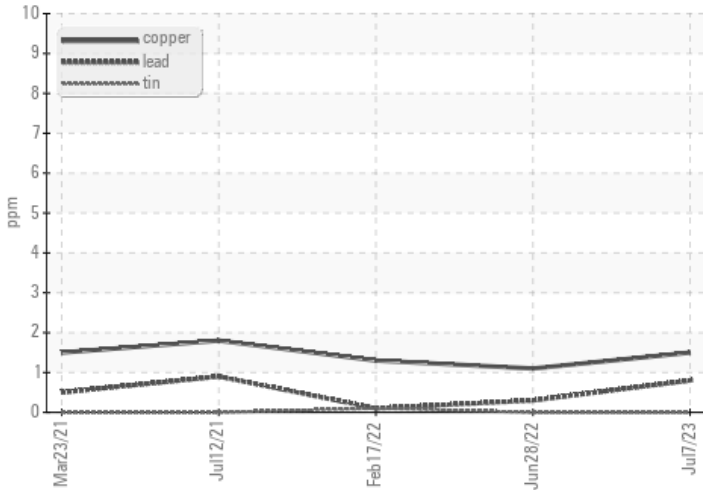


## GRAPHS

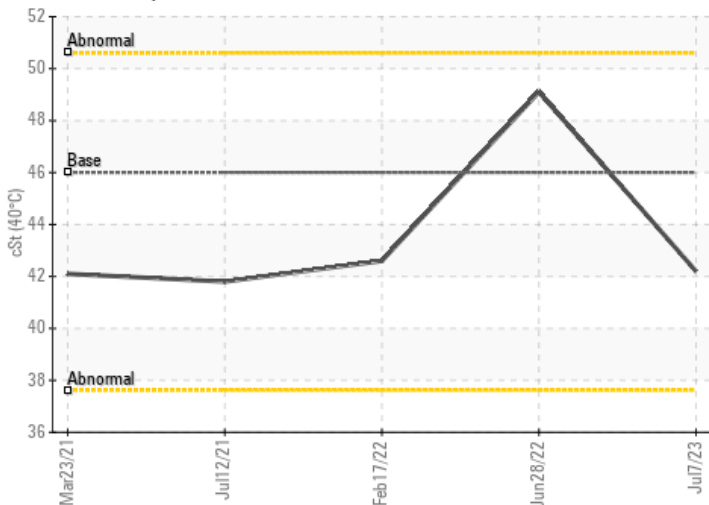
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

