



# CONSTRUCTION EQUIPMENT

STELLA-JONES 8-404175 VOLVO L90H 625858 - HYDRAULIC SYSTEM



**Sample No:** VCP450375  
**Oil Type:** {unknown}  
**Job No:** 8-404175



## SAMPLE INFORMATION

Sample Number	<b>VCP450375</b>	VCP332590	---	---
Sample Date	<b>16 May 2024</b>	17 Nov 2022	---	---
Machine Hours	<b>8042</b>	4342	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	40.6	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>3751</b>	4540	---	---
Particles >6µm		<b>383</b>	1011	---	---
Particles >14µm		<b>23</b>	61	---	---
ISO 4406:1999 (c)		<b>19/16/12</b>	19/17/13	---	---
Silicon	ppm	<b>8</b>	7	---	---
Sodium	ppm	<b>21</b>	12	---	---
Potassium	ppm	<b>2</b>	1	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 46 AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>12</b>	11	---	---
Copper	ppm	<b>4</b>	4	---	---
Lead	ppm	<b>0</b>	1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>3</b>	2	---	---
Chromium	ppm	<b>3</b>	3	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>254</b>	80	---	---
Magnesium	ppm	<b>7</b>	6	---	---
Zinc	ppm	<b>472</b>	426	---	---
Phosphorus	ppm	<b>380</b>	372	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>5</b>	1	---	---

**Depot:** SHEMIS  
**Unique No:** 5785536  
**Signed:** Wes Davis  
**Report Date:** 21 May 2024

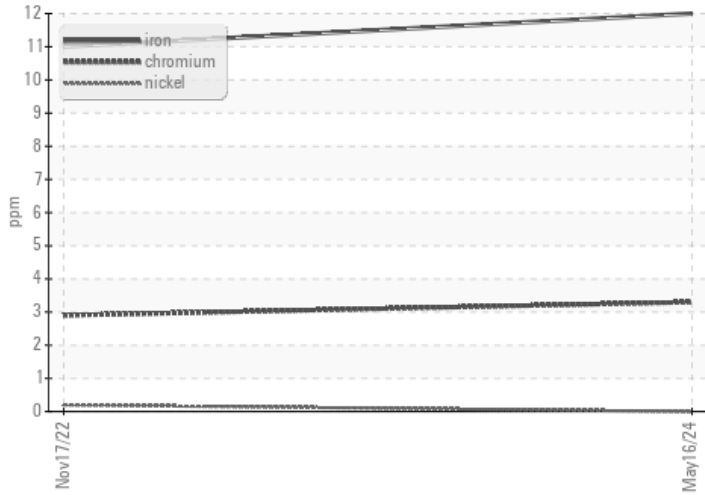


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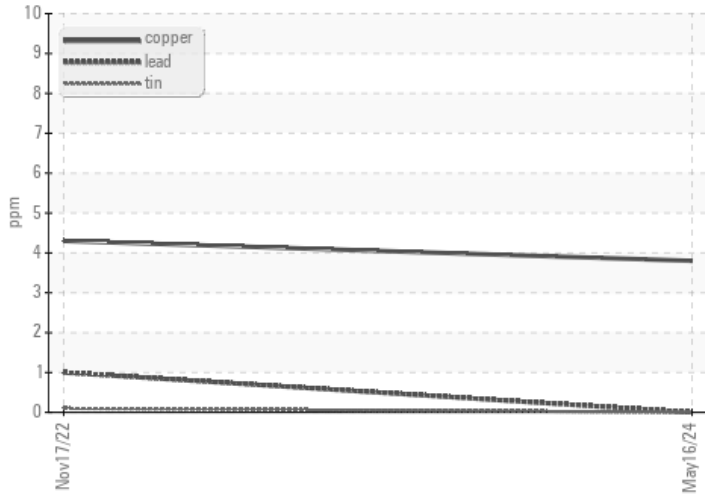


## GRAPHS

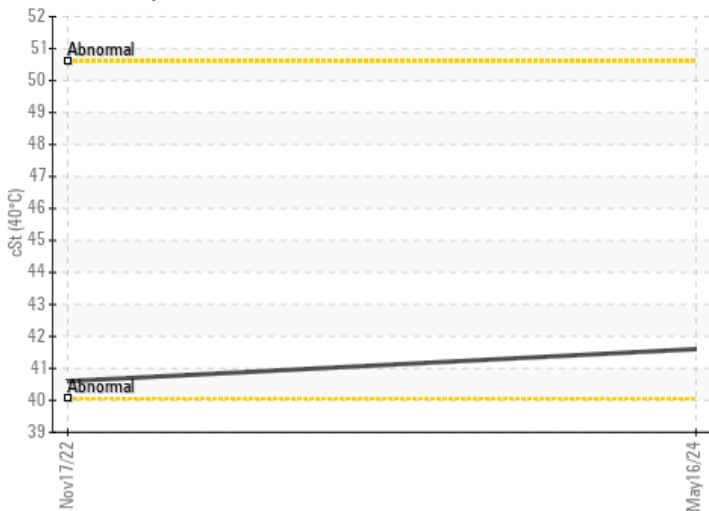
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

