



# CONSTRUCTION EQUIPMENT

## SWA633048 VOLVO L90H 624516 - HYDRAULIC SYSTEM



**Sample No:** VCP434309  
**Oil Type:** AW HYDRAULIC OIL ISO 68  
**Job No:** SWA633048



### SAMPLE INFORMATION

Sample Number	<b>VCP434309</b>	VCP268109	VCP225973	---
Sample Date	<b>07 Nov 2023</b>	24 Mar 2020	29 Jan 2020	---
Machine Hours	<b>11418</b>	3082	2557	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	---
Sample Status	<b>ABNORMAL</b>	SEVERE	ABNORMAL	---

### FORESTRY RESOURCES

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

### OIL CONDITION

Visc @ 40°C	cSt	<b>59.9</b>	54.7	57.1	---
Acid Number (AN)	mg KOH/g	<b>0.48</b>	0.382	0.323	---

T: (239)872-1856  
 F:

### CONTAMINATION

Water	%	---	▲ 0.200	---	---
Particles >4µm		<b>13875</b>	29219	59050	---
Particles >6µm		▲ <b>2586</b>	▲ 15916	▲ 20299	---
Particles >14µm		▲ <b>210</b>	▲ 2711	▲ 2107	---
ISO 4406:1999 (c)		<b>21/19/15</b>	22/21/19	23/22/18	---
Silicon	ppm	<b>4</b>	3	2	---
Sodium	ppm	<b>&lt;1</b>	1	1	---
Potassium	ppm	<b>3</b>	<1	2	---

### 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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>5</b>	4	5	---
Copper	ppm	<b>2</b>	2	2	---
Lead	ppm	<b>&lt;1</b>	2	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>1</b>	<1	<1	---
Chromium	ppm	<b>3</b>	1	1	---
Molybdenum	ppm	<b>6</b>	16	<1	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	<1	0	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>156</b>	98	102	---
Magnesium	ppm	<b>18</b>	10	10	---
Zinc	ppm	<b>517</b>	359	326	---
Phosphorus	ppm	<b>455</b>	299	278	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>7</b>	2	<1	---

**Depot:** FORFOTFL  
**Unique No:** 10740714  
**Signed:** Don Baldrige  
**Report Date:** 16 Nov 2023

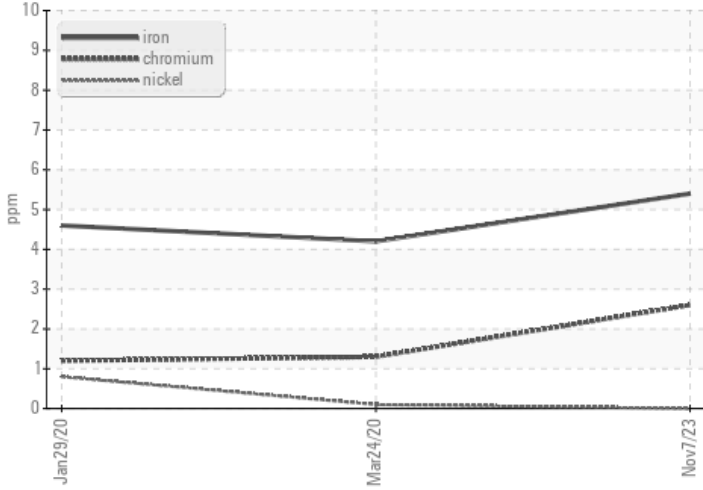


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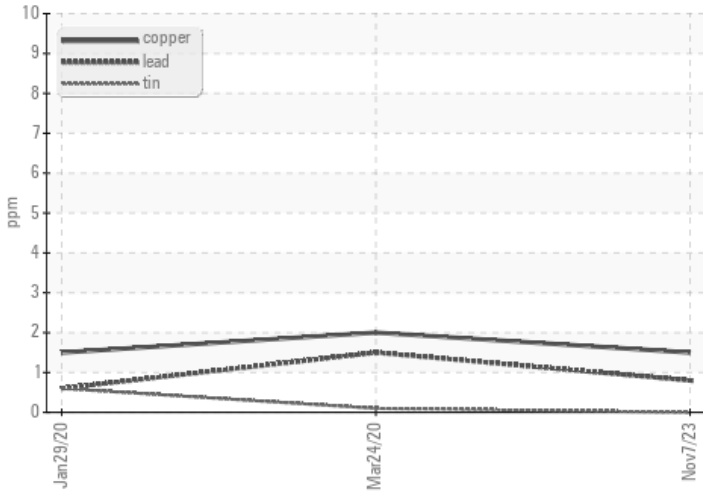


## GRAPHS

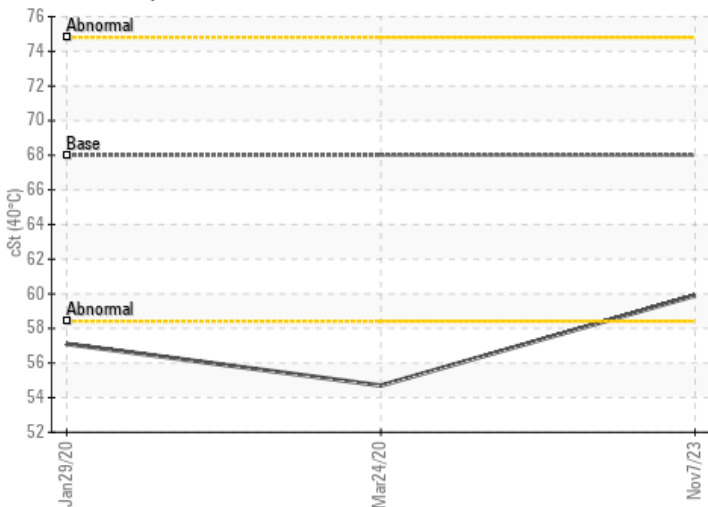
### Ferrous Alloys



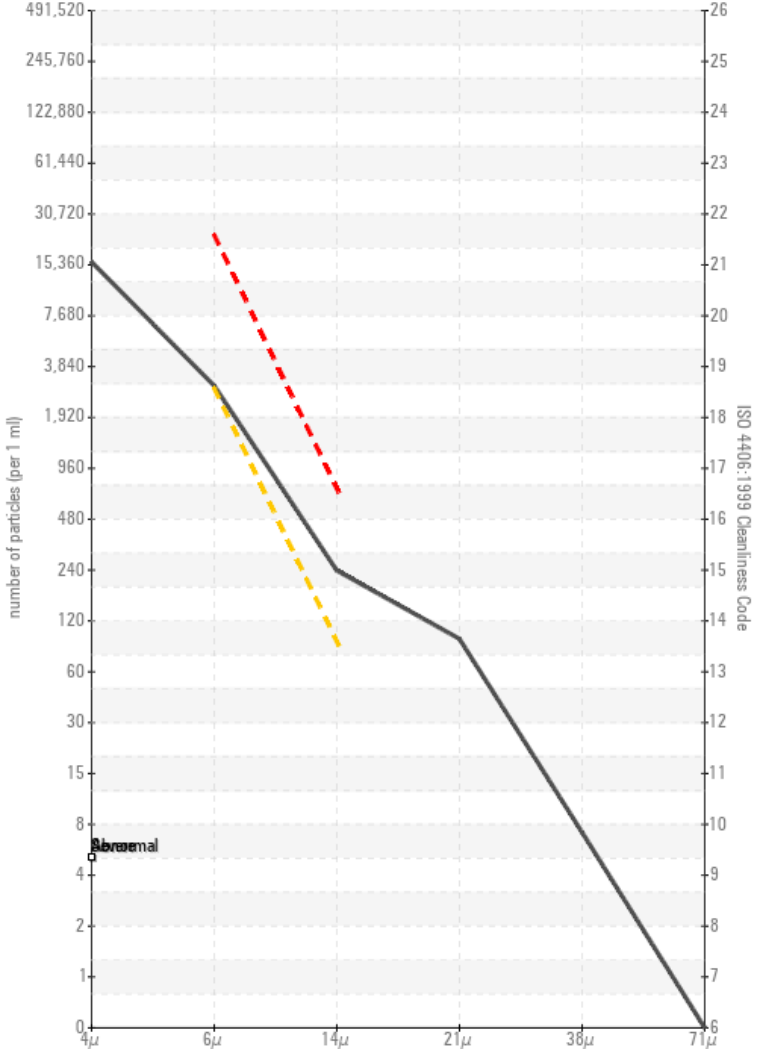
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

