



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 624919 - HYDRAULIC SYSTEM



**Sample No:** VCP0007787  
**Oil Type:** Hydraulic System Oil  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007787</b>	VCP0007460	VCP0006208	---
Sample Date	<b>22 Jan 2024</b>	04 Apr 2023	04 Jan 2023	---
Machine Hours	<b>16598</b>	13058	13058	---
Oil Hours	<b>16598</b>	13058	13058	---
Oil Changed	<b>N/A</b>	N/A	N/A	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.8</b>	41.8	41.3	---
Acid Number (AN)	mg KOH/g	<b>0.50</b>	0.84	1.02	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>1166</b>	10769	389	---
Particles >6µm		<b>218</b>	3601	61	---
Particles >14µm		<b>13</b>	420	5	---
ISO 4406:1999 (c)		<b>17/15/11</b>	21/19/16	16/13/10	---
Silicon	ppm	<b>0</b>	2	3	---
Sodium	ppm	<b>1</b>	<1	0	---
Potassium	ppm	<b>0</b>	0	<1	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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>0</b>	<1	<1	---
Copper	ppm	<b>0</b>	<1	1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	0	0	---
Chromium	ppm	<b>0</b>	<1	0	---
Molybdenum	ppm	<b>0</b>	4	8	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</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>77</b>	1086	1427	---
Magnesium	ppm	<b>0</b>	25	28	---
Zinc	ppm	<b>457</b>	606	680	---
Phosphorus	ppm	<b>388</b>	540	602	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	12	8	---

**Depot:** VOLVO0092  
**Unique No:** 10847075  
**Signed:** Don Baldrige  
**Report Date:** 26 Jan 2024

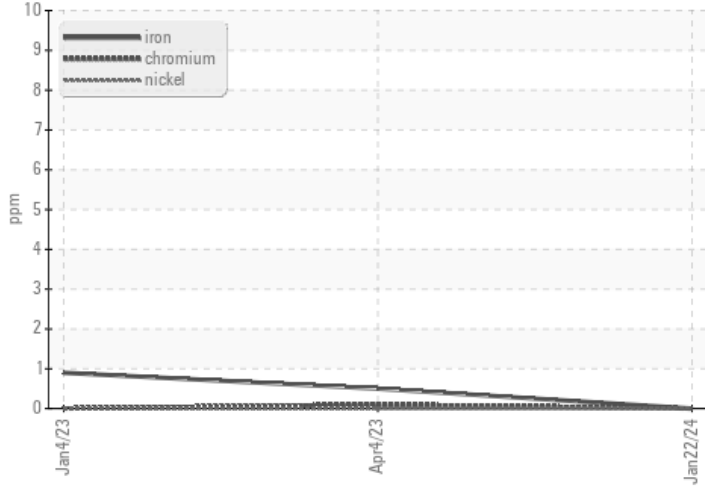


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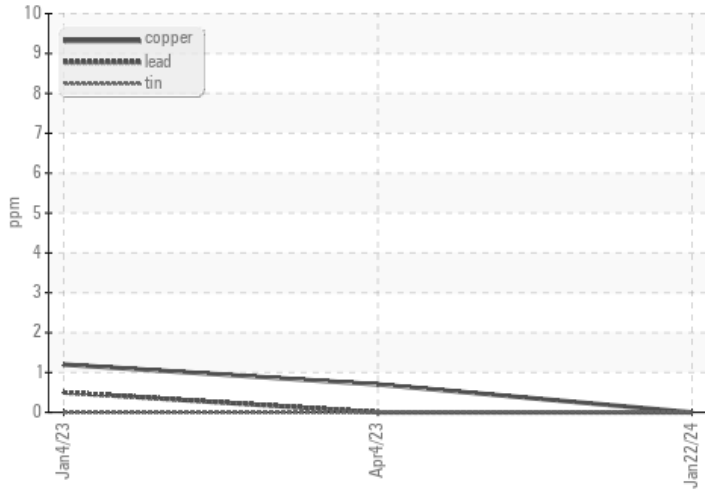


## GRAPHS

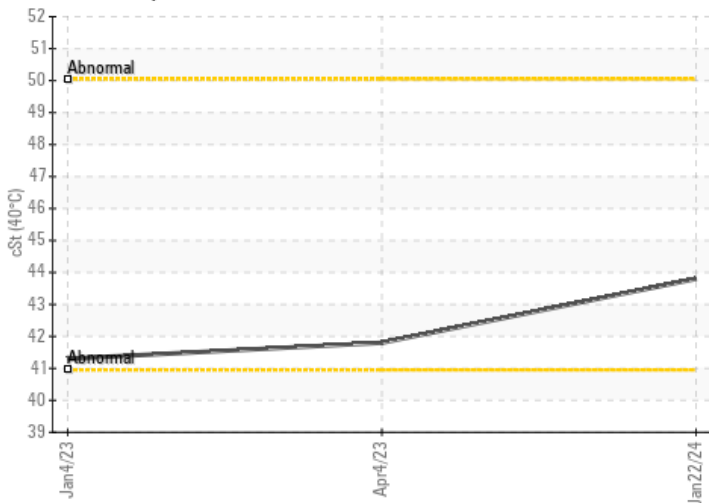
### Ferrous Alloys



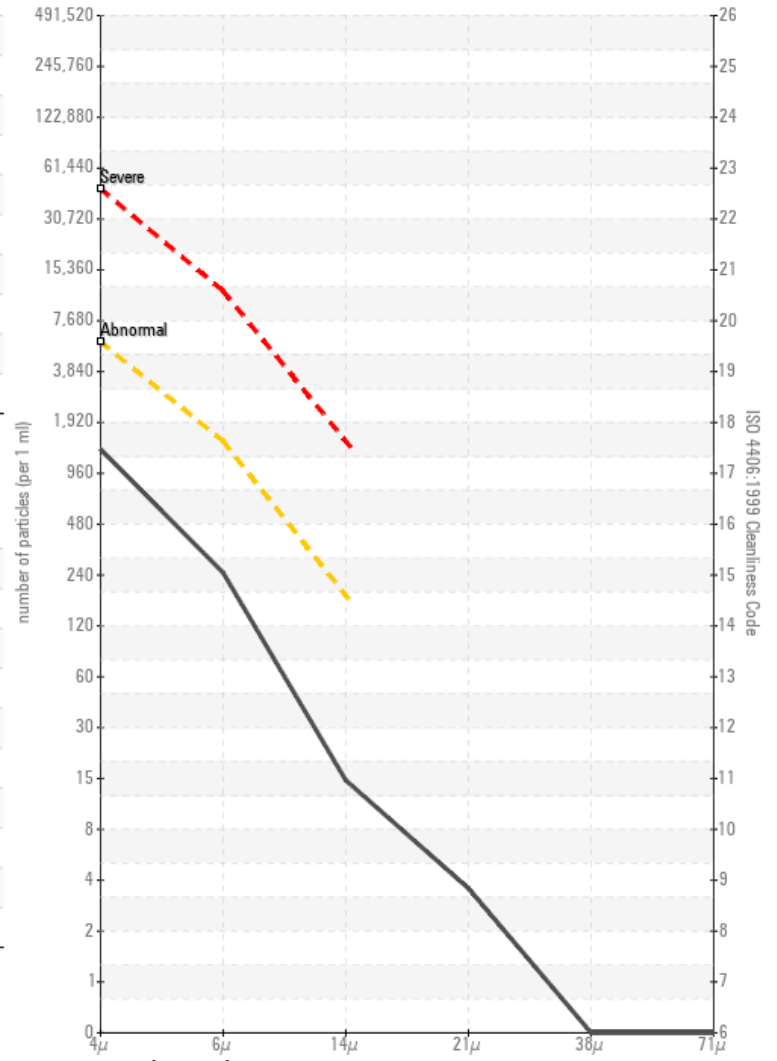
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

