



# CONSTRUCTION EQUIPMENT

## SWA518493-40 VOLVO L90H 625935 - HYDRAULIC SYSTEM



**Sample No:** VCP428593  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA518493-40



### SAMPLE INFORMATION

Sample Number	<b>VCP428593</b>	VCP332064	VCP331219	---
Sample Date	<b>29 Mar 2024</b>	27 Apr 2022	28 Dec 2021	---
Machine Hours	<b>3996</b>	1030	504	---
Oil Hours	<b>4000</b>	1030	500	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN  
 39 STONE CASTLE RD  
 ROCK TAVERN, NY  
 US 12575  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	43.3	44.0	---
Acid Number (AN)	mg KOH/g	<b>0.21</b>	0.30	0.27	---

T:  
F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>1805</b>	3163	7008	---
Particles >6µm		<b>205</b>	306	1526	---
Particles >14µm		<b>12</b>	15	94	---
ISO 4406:1999 (c)		<b>18/15/11</b>	19/15/11	20/18/14	---
Silicon	ppm	<b>3</b>	2	2	---
Sodium	ppm	<b>&lt;1</b>	0	0	---
Potassium	ppm	<b>0</b>	2	0	---

### Diagnosis

Resample at the next service interval to monitor. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	<b>60</b>	63	71	---
Magnesium	ppm	<b>2</b>	3	3	---
Zinc	ppm	<b>435</b>	453	417	---
Phosphorus	ppm	<b>345</b>	338	340	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	<1	2	---

**Depot:** INSROC  
**Unique No:** 11003484  
**Signed:** Wes Davis  
**Report Date:** 30 Apr 2024

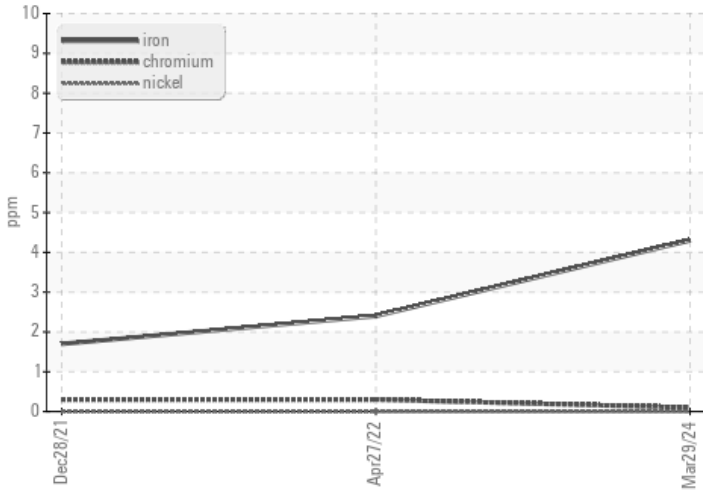


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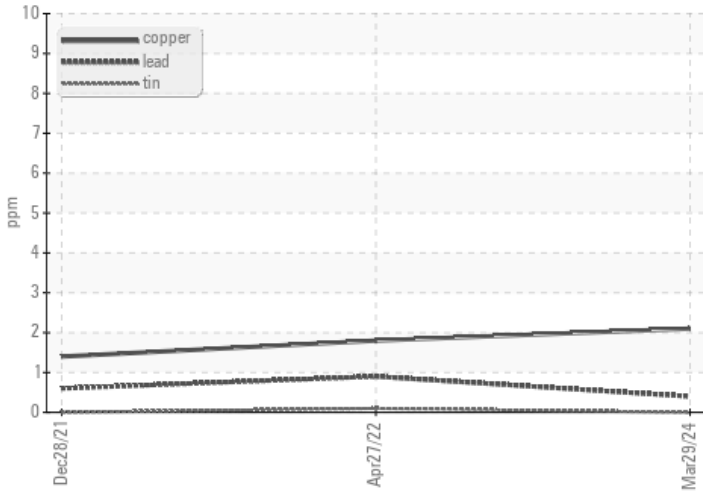


## GRAPHS

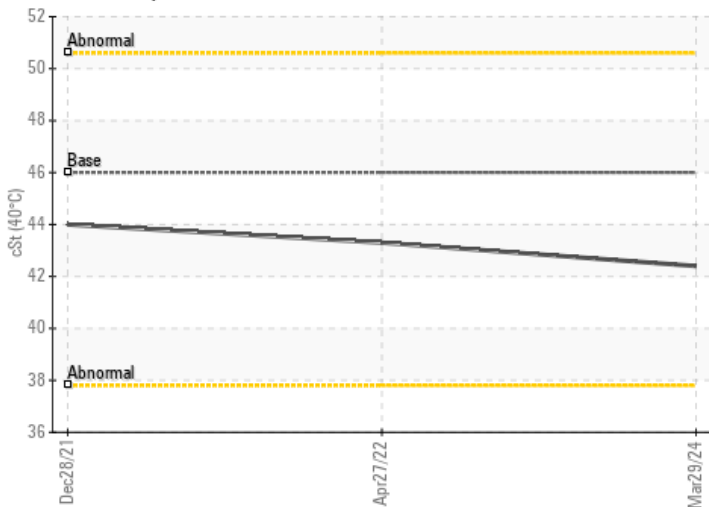
### Ferrous Alloys



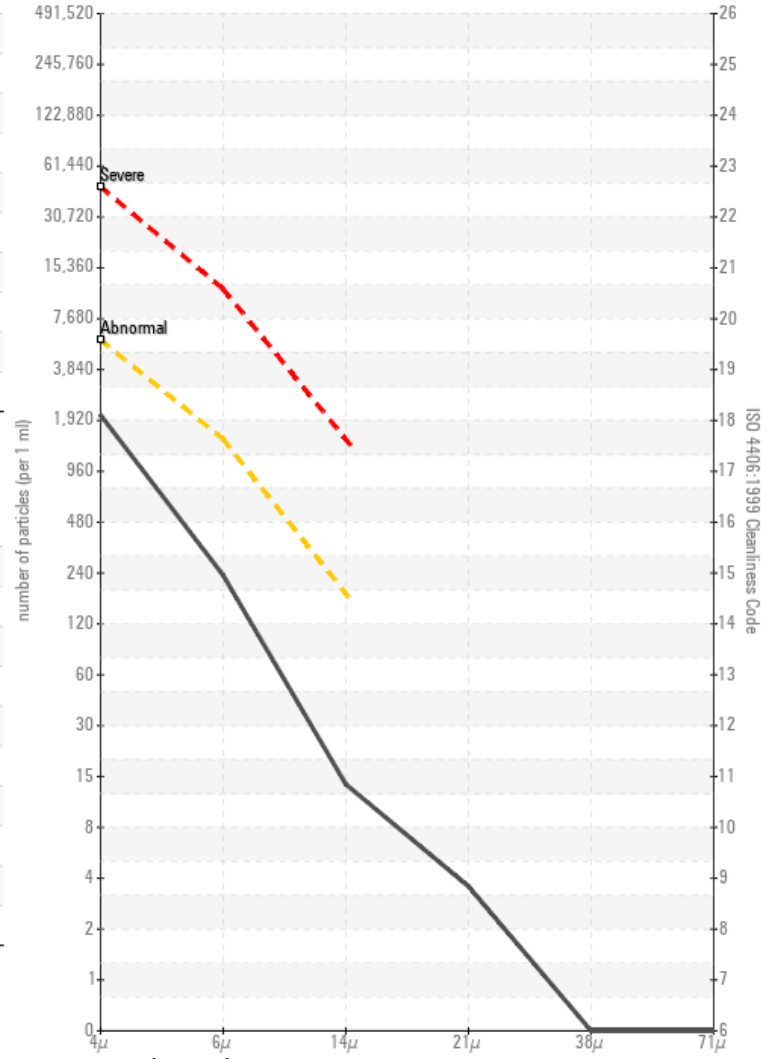
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

