



# CONSTRUCTION EQUIPMENT

661207 GENERAL RV VOLVO L20H 1220266 - HYDRAULIC SYSTEM



**Sample No:** VCP441531  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 661207 GENERAL RV



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## SAMPLE INFORMATION

Sample Number	VCP441531	VCP364069	---	---
Sample Date	24 Feb 2024	13 Sep 2022	---	---
Machine Hours	6045	4078	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

## OIL CONDITION

Visc @ 40°C	cSt	41.1	41.4	---	---
Acid Number (AN)	mg KOH/g	1.14	0.41	---	---

## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		4551	2427	---	---
Particles >6µm		823	247	---	---
Particles >14µm		55	17	---	---
ISO 4406:1999 (c)		19/17/13	18/15/11	---	---
Silicon	ppm	8	8	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	2	0	---	---

## WEAR METALS

Iron	ppm	20	16	---	---
Copper	ppm	10	10	---	---
Lead	ppm	4	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	78	81	---	---
Magnesium	ppm	4	2	---	---
Zinc	ppm	389	398	---	---
Phosphorus	ppm	280	303	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

## 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.

**Depot:** VOLVO0093  
**Unique No:** 10901143  
**Signed:** Wes Davis  
**Report Date:** 29 Feb 2024

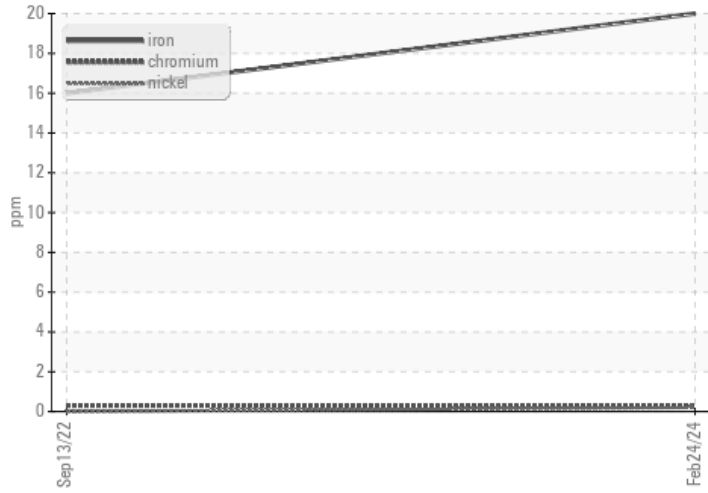


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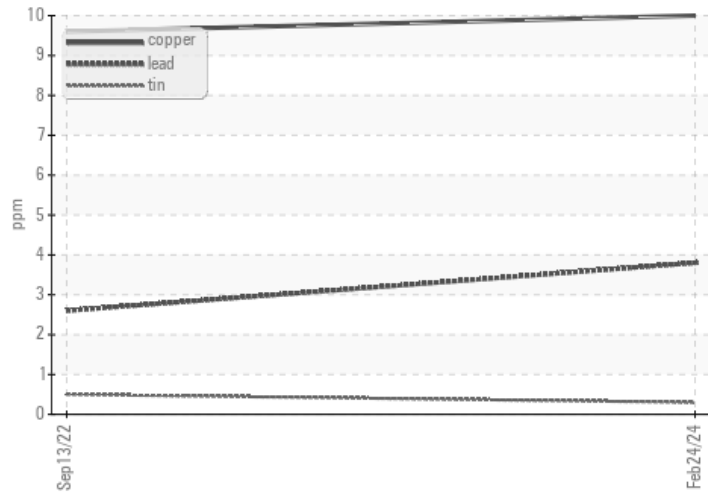


## GRAPHS

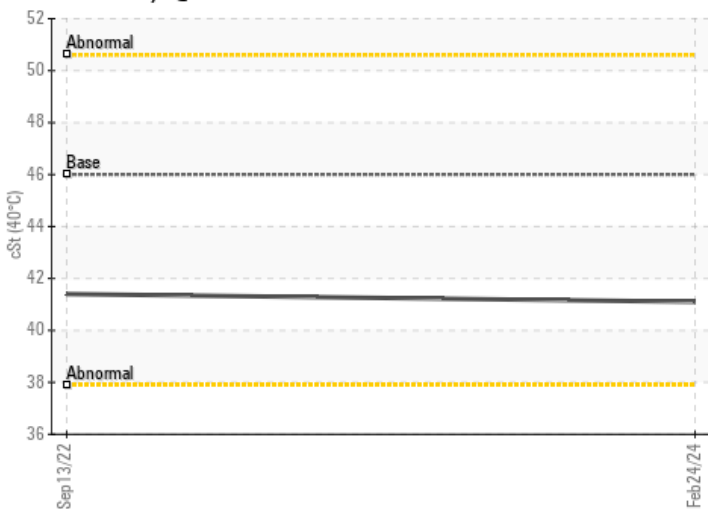
### Ferrous Alloys



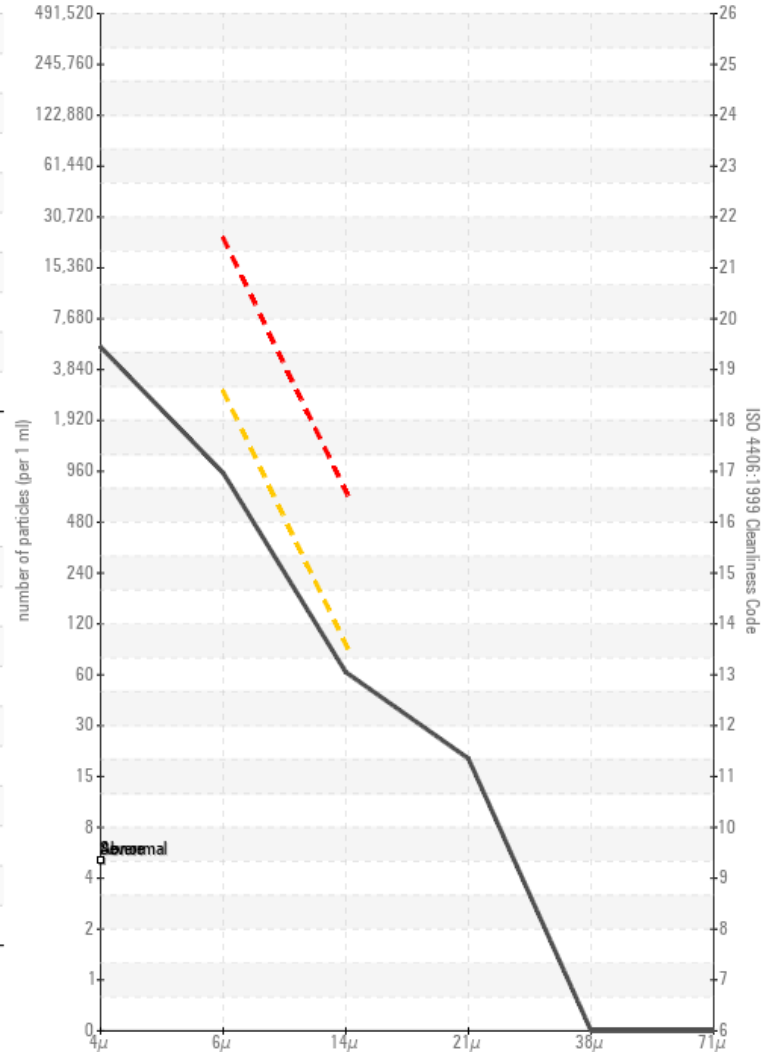
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

