



# CONSTRUCTION EQUIPMENT

580521 CITRUS CO LF VOLVO L110H 632392 - HYDRAULIC SYSTEM



**Sample No:** VCP425814  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 580521 CITRUS CO LF



## SAMPLE INFORMATION

Sample Number	VCP425814	VCP395740	---	---
Sample Date	26 Jul 2023	02 Feb 2023	---	---
Machine Hours	2132	1058	---	---
Oil Hours	2132	1000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	42.3	43.0	---	---
Acid Number (AN)	mg KOH/g	---	0.31	---	---



## CONTAMINATION

Particles >4µm		36999	56911	---	---
Particles >6µm		11551	17259	---	---
Particles >14µm		789	957	---	---
ISO 4406:1999 (c)		22/21/17	23/21/17	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	<1	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Insufficient sample was received to conduct all the routine laboratory tests. There is a high amount of particulates present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	6	4	---	---
Copper	ppm	2	2	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	155	182	---	---
Magnesium	ppm	3	6	---	---
Zinc	ppm	444	449	---	---
Phosphorus	ppm	355	351	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

**Depot:** VOLVO0093  
**Unique No:** 10602076  
**Signed:** Jonathan Hester  
**Report Date:** 14 Aug 2023

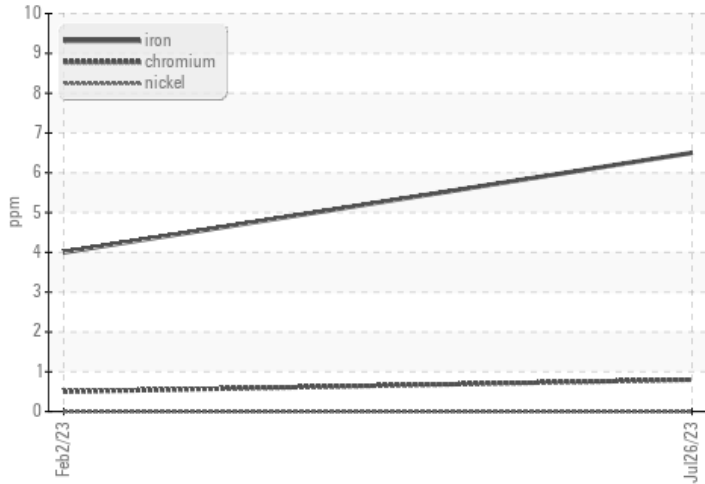


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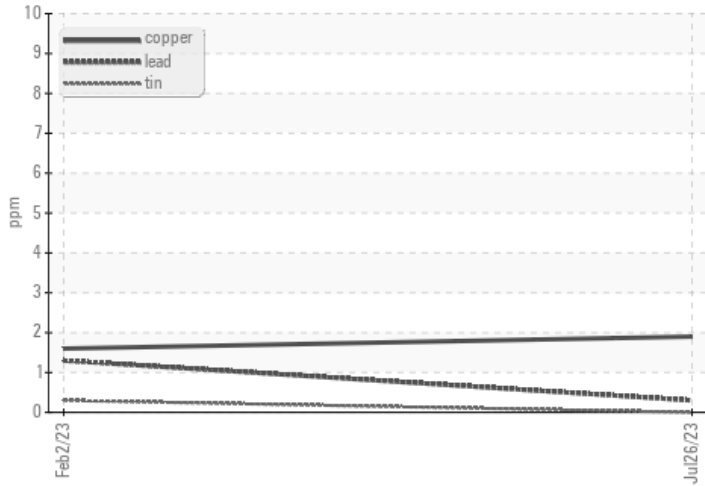


## GRAPHS

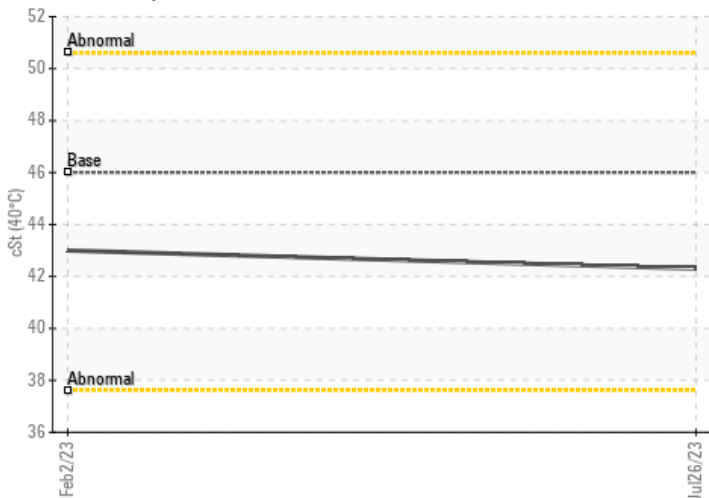
### Ferrous Alloys



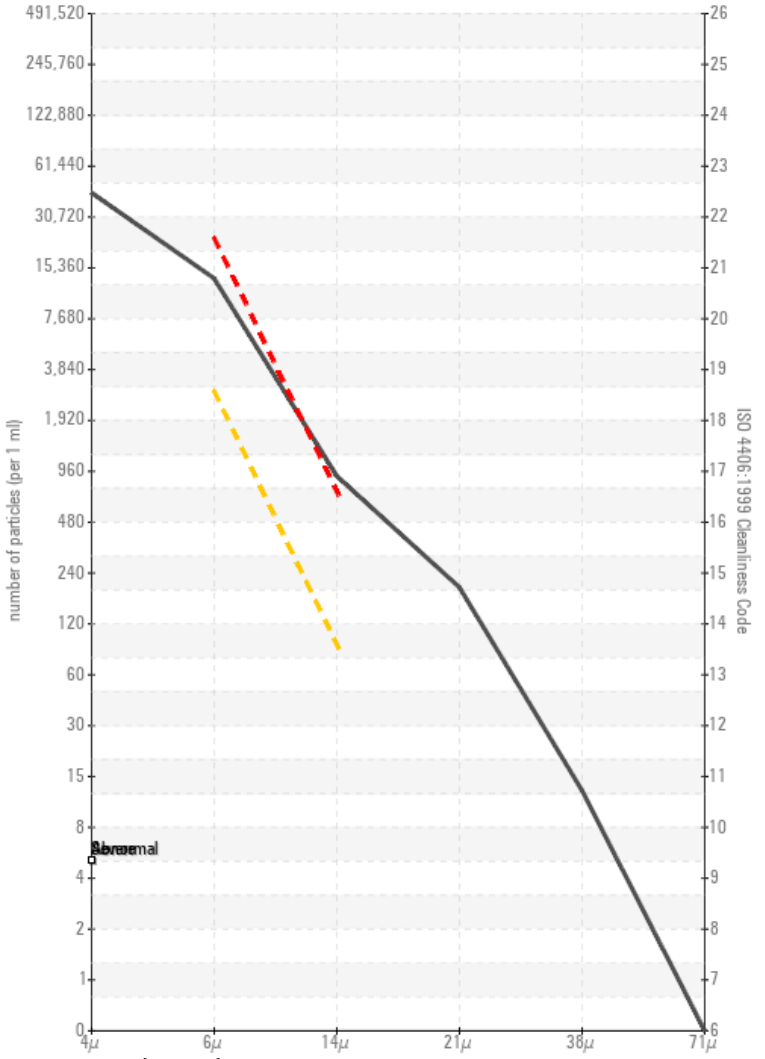
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

