



# CONSTRUCTION EQUIPMENT

702821 ALTA RENTS VOLVO L90H 626583 - HYDRAULIC SYSTEM



**Sample No:** VCP454743  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 702821 ALTA RENTS



## SAMPLE INFORMATION

Sample Number	VCP454743	VCP454748	---	---
Sample Date	23 Apr 2024	23 Apr 2024	---	---
Machine Hours	1279	1279	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 42.7	▲ 27.7	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	█ 0.67	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 8200	51571	---	---
Particles >6µm		█ 1742	▲ 11106	---	---
Particles >14µm		● 103	▲ 491	---	---
ISO 4406:1999 (c)		20/18/14	23/21/16	---	---
Silicon	ppm	█ 4	█ 11	---	---
Sodium	ppm	█ 1	█ 5	---	---
Potassium	ppm	█ 0	█ 0	---	---

## 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 light amount of silt (particulates < 14 microns in size) present 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	█ 5	▲ 149	---	---
Copper	ppm	█ 1	█ 11	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 9	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 54	█ 68	---	---
Magnesium	ppm	█ 0	█ 0	---	---
Zinc	ppm	█ 428	● 36	---	---
Phosphorus	ppm	█ 304	● 168	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	● 63	---	---

**Depot:** VOLVO0096  
**Unique No:** 10996806  
**Signed:** Wes Davis  
**Report Date:** 29 Apr 2024

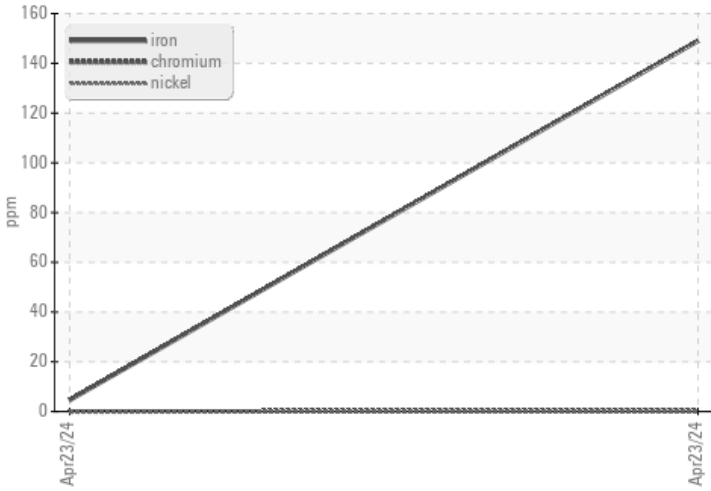


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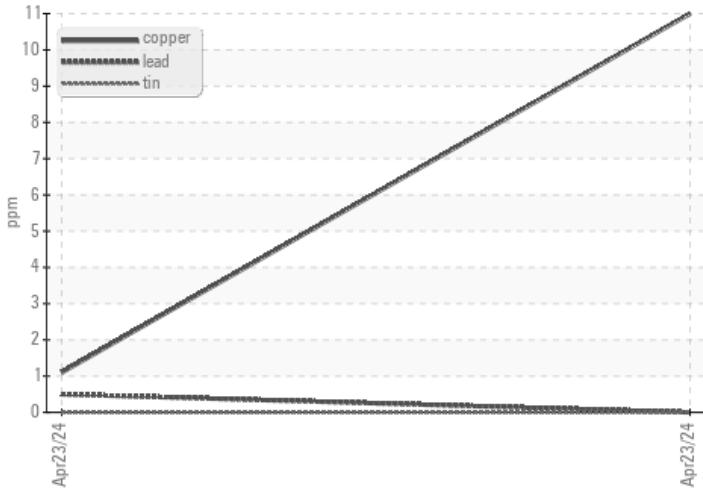


## GRAPHS

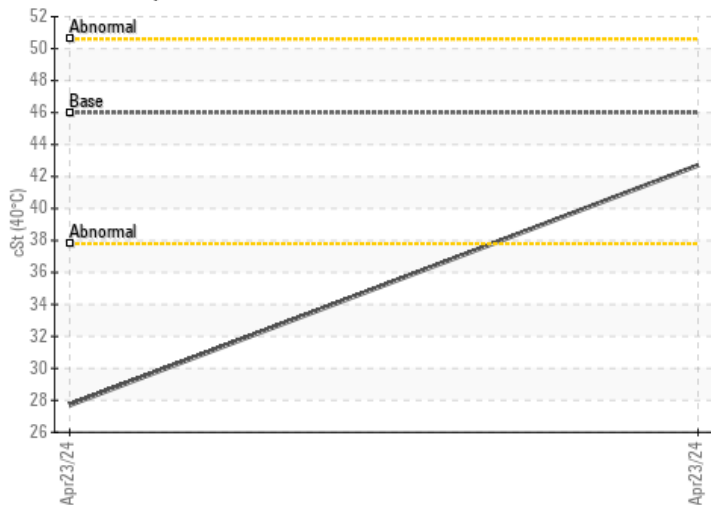
### Ferrous Alloys



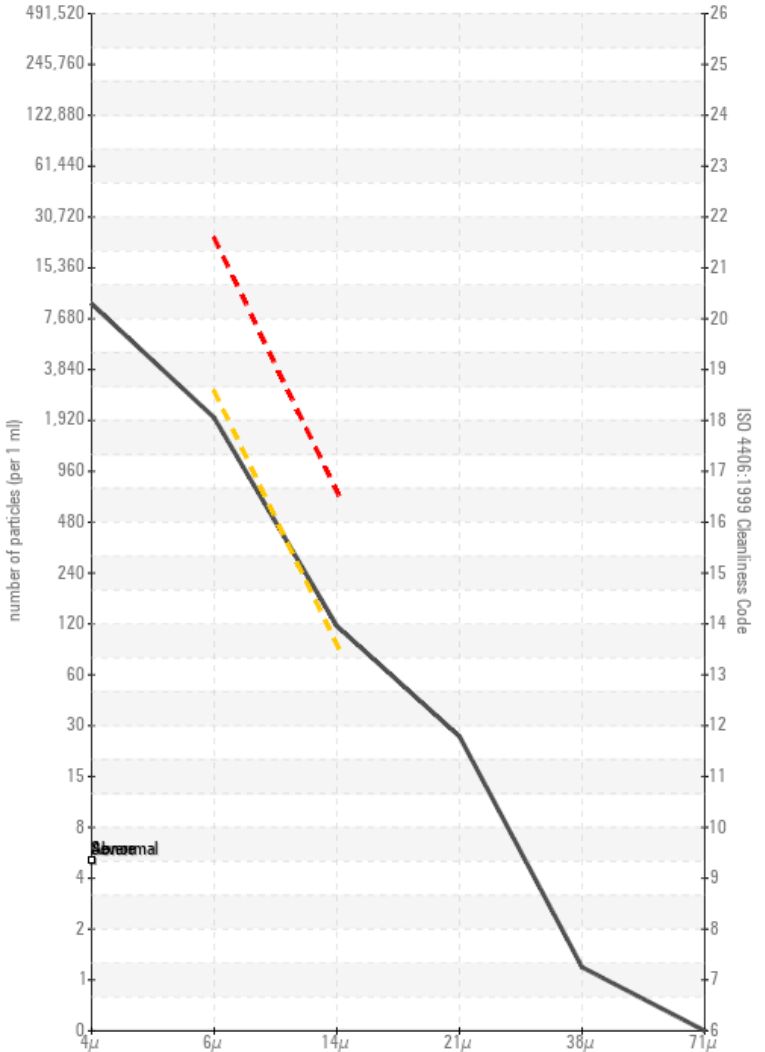
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

