



# CONSTRUCTION EQUIPMENT

## VOLVO L70H 624135 - HYDRAULIC SYSTEM



**Sample No:** VCP418543  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP418543	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	2485	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 52.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.49	---	---	---



### CONTAMINATION

Particles >4µm		5877	---	---	---
Particles >6µm		█ 1007	---	---	---
Particles >14µm		█ 43	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---

### 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 condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 414	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 397	---	---	---
Phosphorus	ppm	█ 320	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 4	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10563602  
**Signed:** Don Baldrige  
**Report Date:** 21 Jul 2023

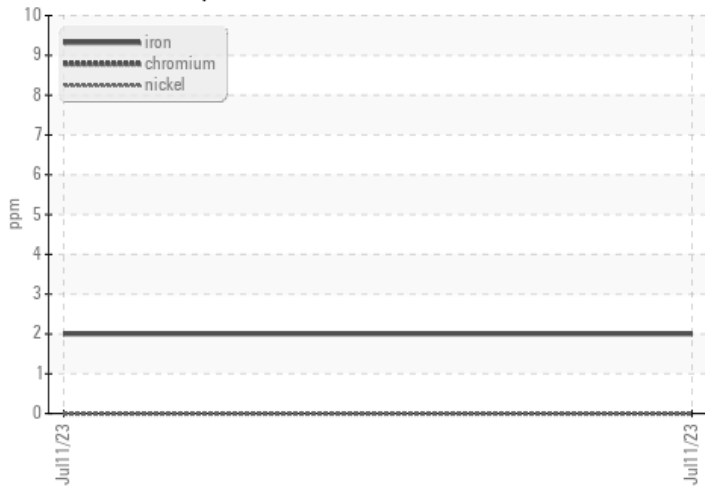


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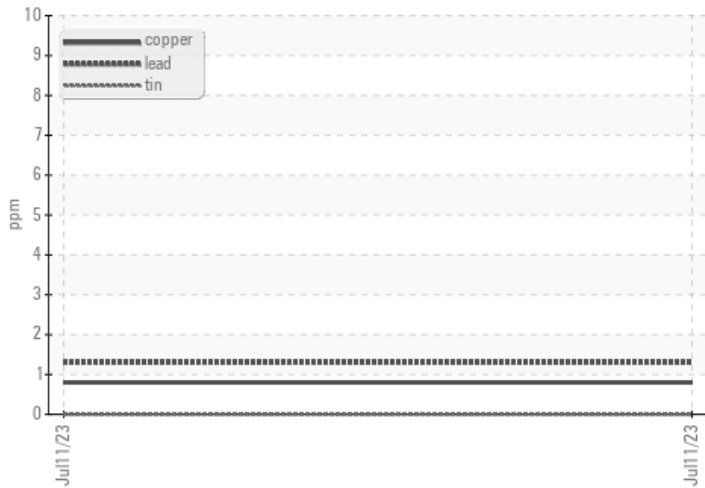


## GRAPHS

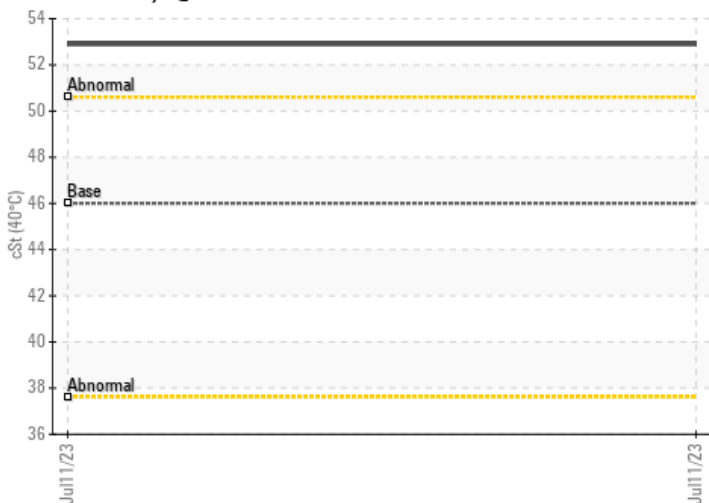
### Ferrous Alloys



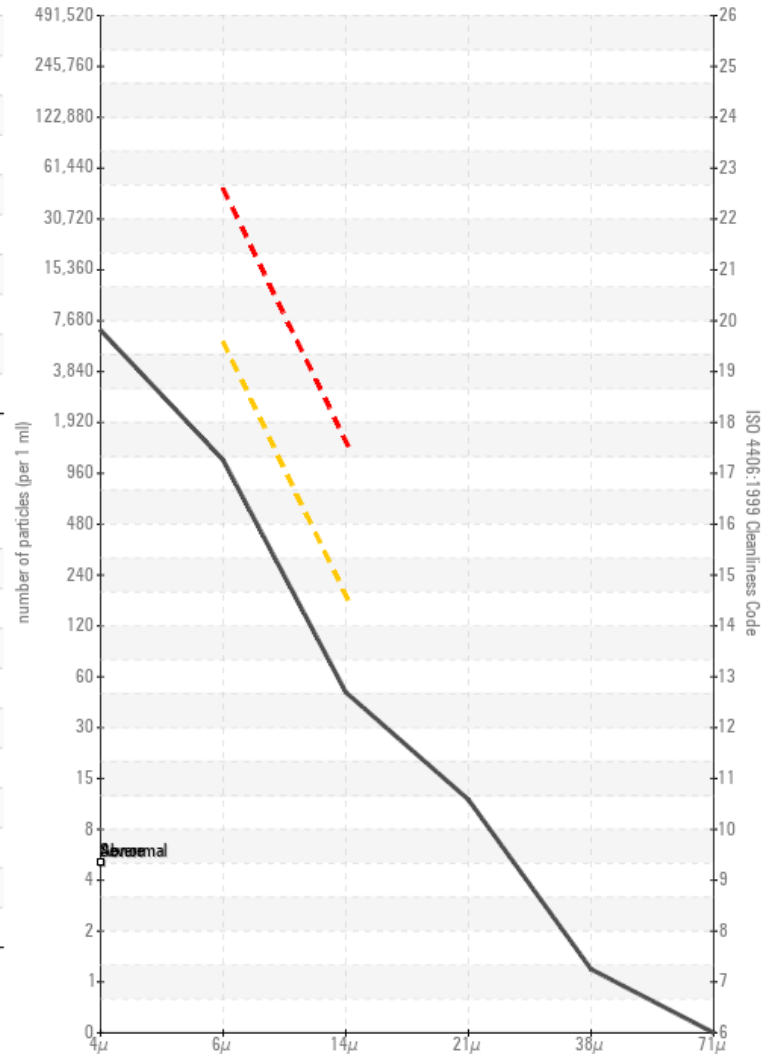
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

