



# CONSTRUCTION EQUIPMENT

SWO-072572 APAC VOLVO L150G 23109 - HYDRAULIC SYSTEM



**Sample No:** VCP443921  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWO-072572 APAC



## SAMPLE INFORMATION

Sample Number	VCP443921	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	4217	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

2238 PINSON VALLEY PARKWAY  
 BIRMINGHAM, AL  
 US 35217  
 Contact: BRANTLY CLAY  
 bclay@cowin.com  
 T:  
 F: (205)856-2106



## OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.91	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5628	---	---	---
Particles >6µm		█ 809	---	---	---
Particles >14µm		█ 25	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

### 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 365	---	---	---
Magnesium	ppm	█ 333	---	---	---
Zinc	ppm	█ 867	---	---	---
Phosphorus	ppm	█ 754	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

**Depot:** VOLVO8528  
**Unique No:** 11073881  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024

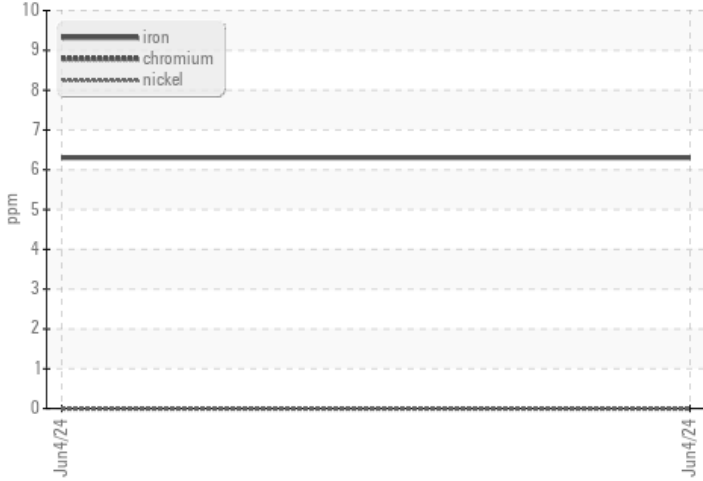


# CONSTRUCTION EQUIPMENT

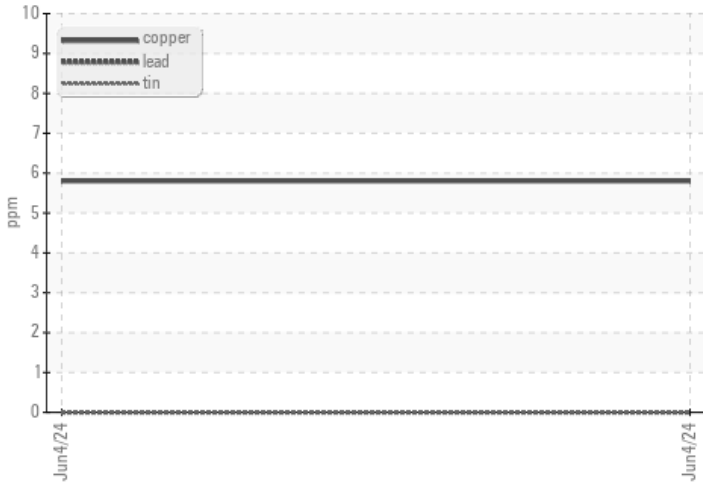


## VOLVO GRAPHS

### Ferrous Alloys



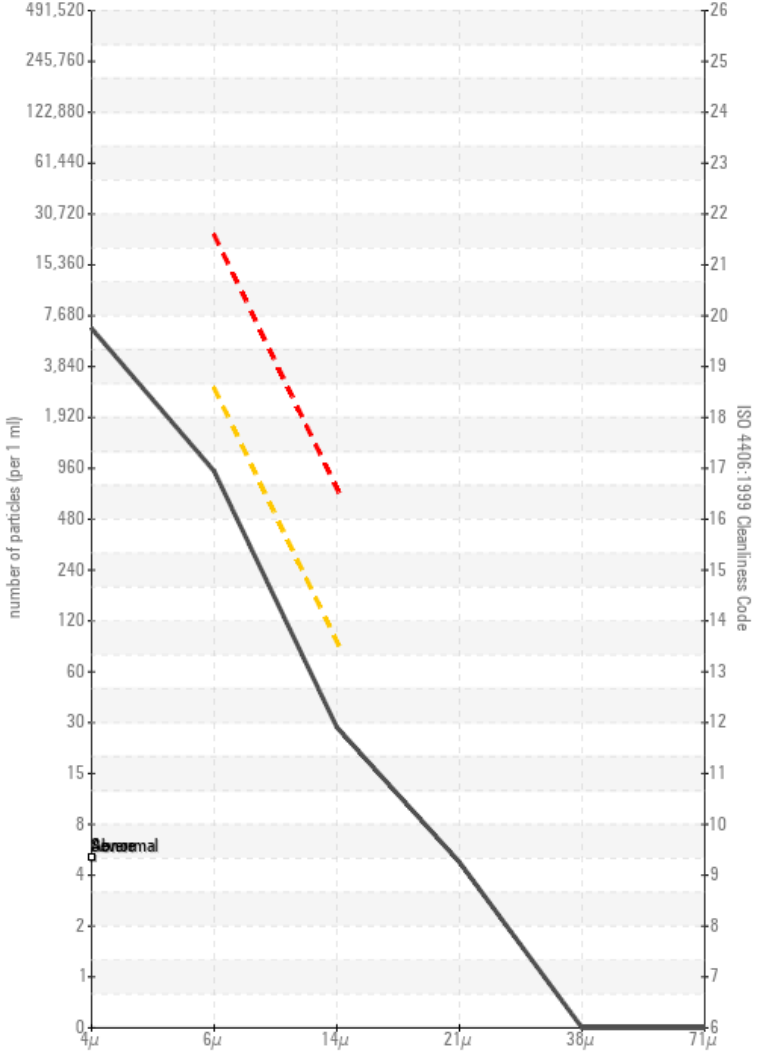
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

