



# CONSTRUCTION EQUIPMENT

1036169 BLUECOR VOLVO L110H 632612 - HYDRAULIC SYSTEM



**Sample No:** VCP06219616  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 1036169 BLUECOR



**ARNOLD MACHINERY COMPANY**  
4323 EAST WINSLOW AVENUE  
PHOENIX, AZ  
US 85040  
Contact: RANDY PRZEKURAT  
randyp@arnoldmachinery.com  
T:  
F: (602)414-1904



## SAMPLE INFORMATION

Sample Number	VCP06219616	---	---	---
Sample Date	12 Jun 2024	---	---	---
Machine Hours	779	---	---	---
Oil Hours	779	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 2496	---	---	---
Particles >6µm		█ 256	---	---	---
Particles >14µm		█ 13	---	---	---
ISO 4406:1999 (c)		18/15/11	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 72	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 424	---	---	---
Phosphorus	ppm	█ 331	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## 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:** VOLVO6174  
**Unique No:** 11097813  
**Signed:** Wes Davis  
**Report Date:** 26 Jun 2024

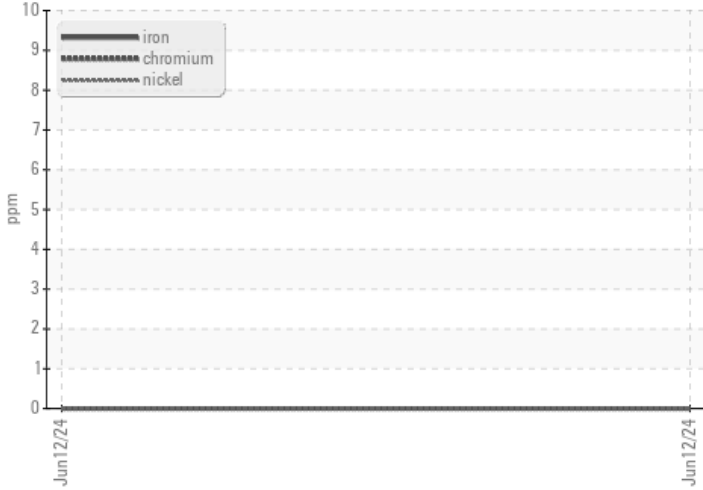


# CONSTRUCTION EQUIPMENT

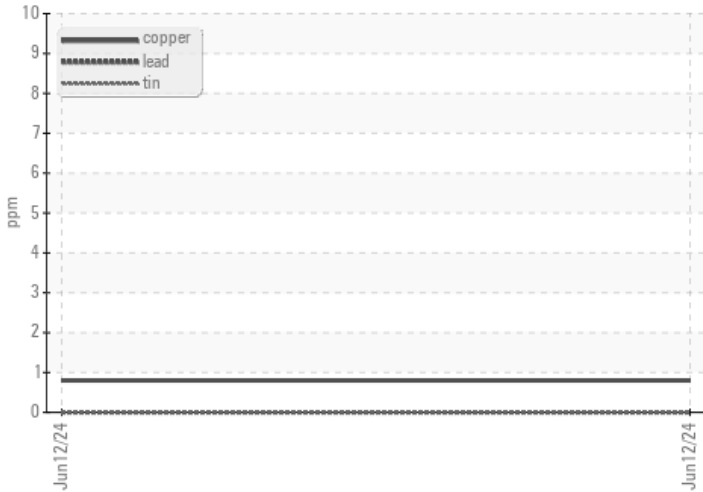


## VOLVO GRAPHS

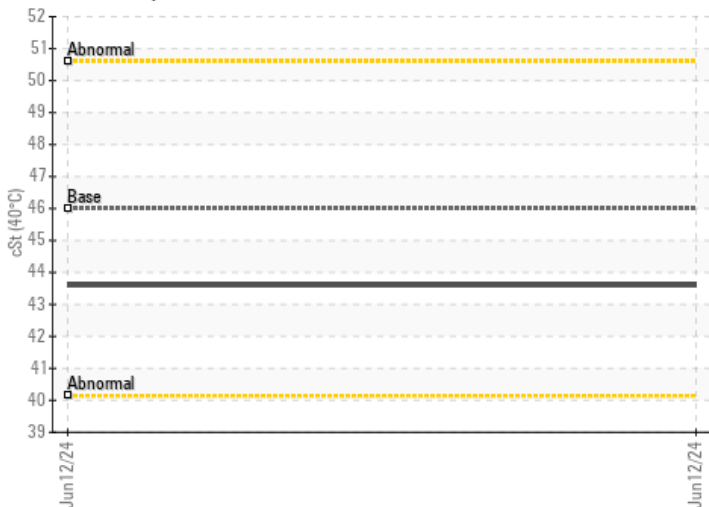
Ferrous Alloys



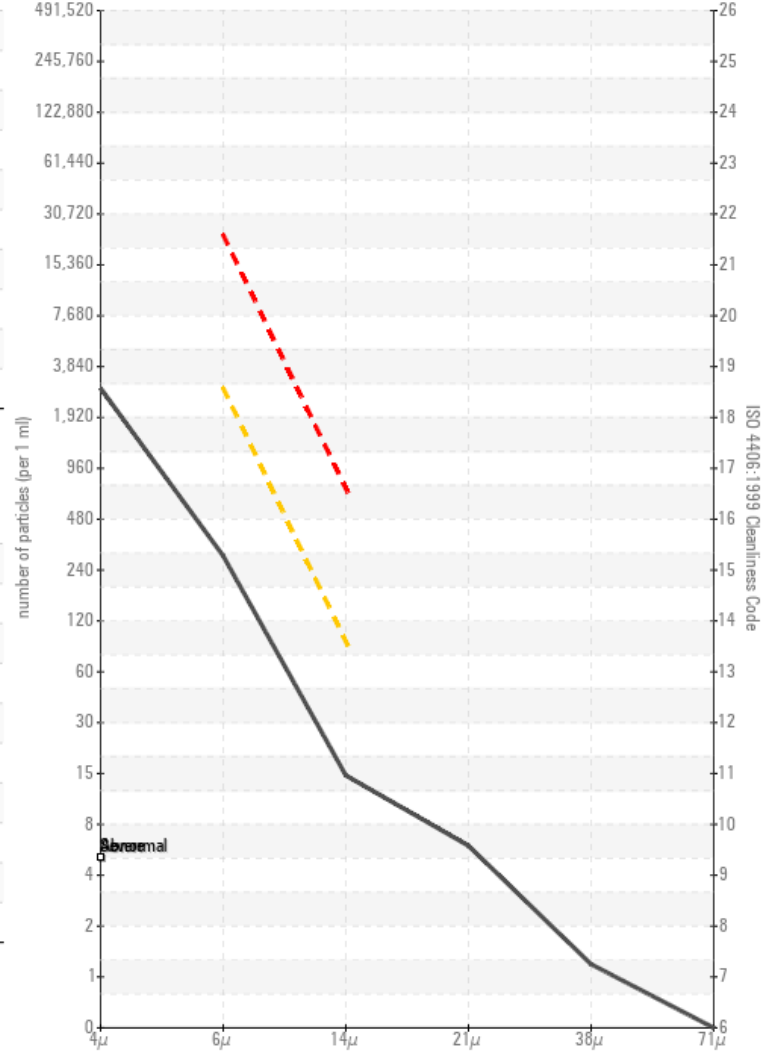
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

