



# CONSTRUCTION EQUIPMENT

SPM689356 RENTAL VOLVO L120H 633514 - HYDRAULIC SYSTEM



**Sample No:** VCP436913  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SPM689356 RENTAL



**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
GARY, IN  
US 46406  
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T: (248)356-5200  
F:



## SAMPLE INFORMATION

Sample Number	VCP436913	---	---	---
Sample Date	22 Apr 2024	---	---	---
Machine Hours	1436	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 4378	---	---	---
Particles >6µm		█ 498	---	---	---
Particles >14µm		█ 23	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 67	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 429	---	---	---
Phosphorus	ppm	█ 344	---	---	---
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:** VOLVO8885  
**Unique No:** 11017145  
**Signed:** Wes Davis  
**Report Date:** 08 May 2024

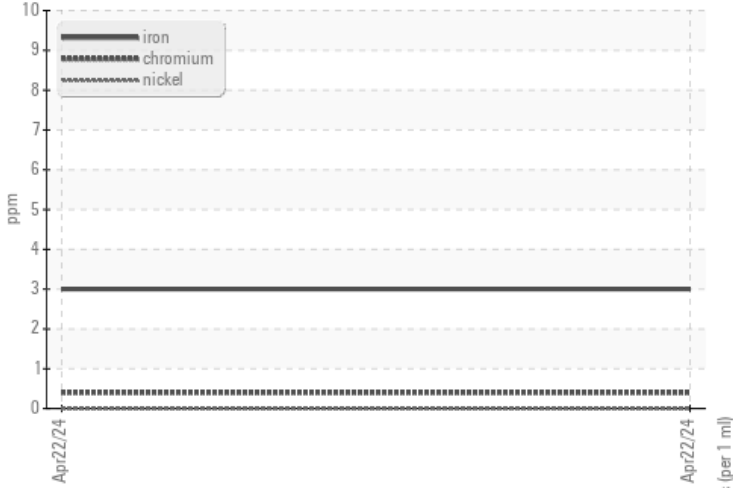


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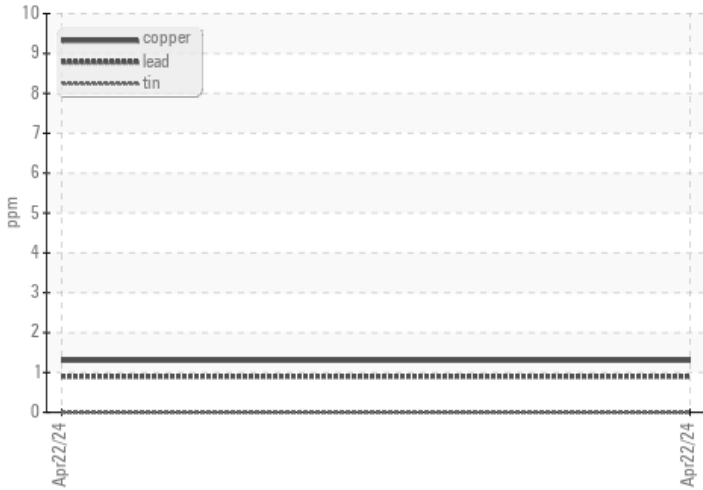


## GRAPHS

### Ferrous Alloys



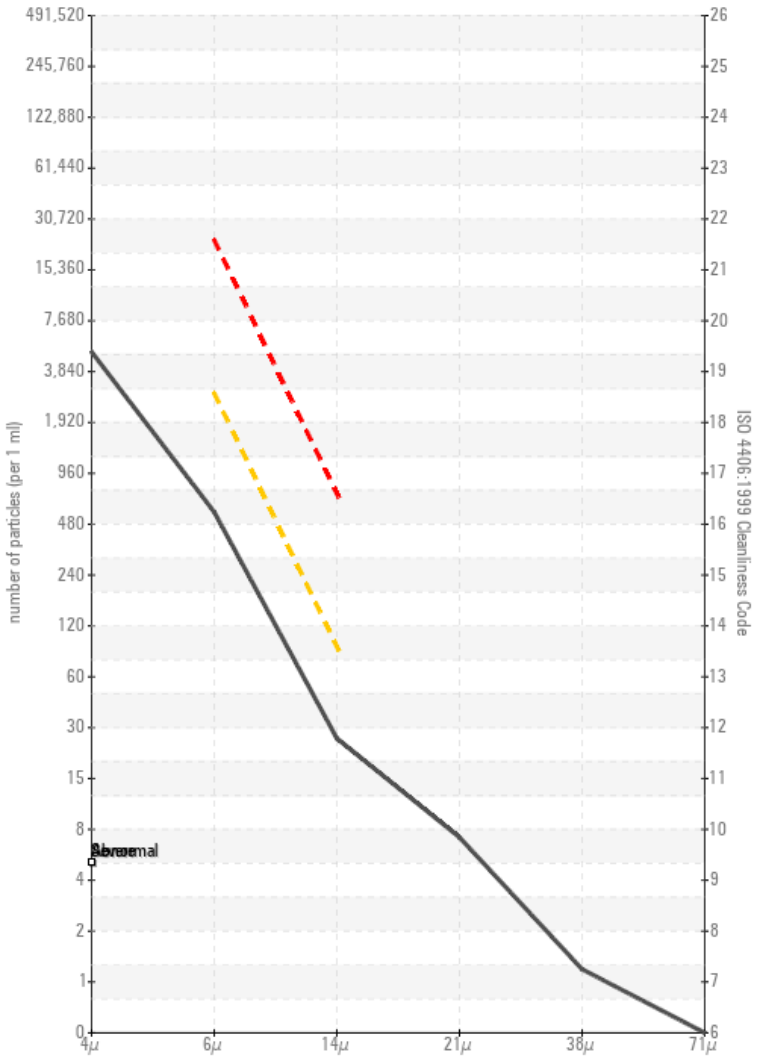
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

