



# CONSTRUCTION EQUIPMENT

CITY OF CALGARY 382545 VOLVO L220H 3367 - HYDRAULIC SYSTEM



**Sample No:** VCP380882  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 382545



## SAMPLE INFORMATION

Sample Number	VCP380882	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	1686	---	---	---
Oil Hours	1686	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

## STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE  
 CALGARY, AB  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
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## CONTAMINATION

Particles >4µm		█ 30410	---	---	---
Particles >6µm		█ 2422	---	---	---
Particles >14µm		█ 49	---	---	---
ISO 4406:1999 (c)		█ 22/18/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	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 condition of the oil is acceptable for the time in service.



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 50	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 423	---	---	---
Phosphorus	ppm	█ 324	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** VOLVO3909  
**Unique No:** 5669503  
**Signed:** Wes Davis  
**Report Date:** 30 Oct 2023

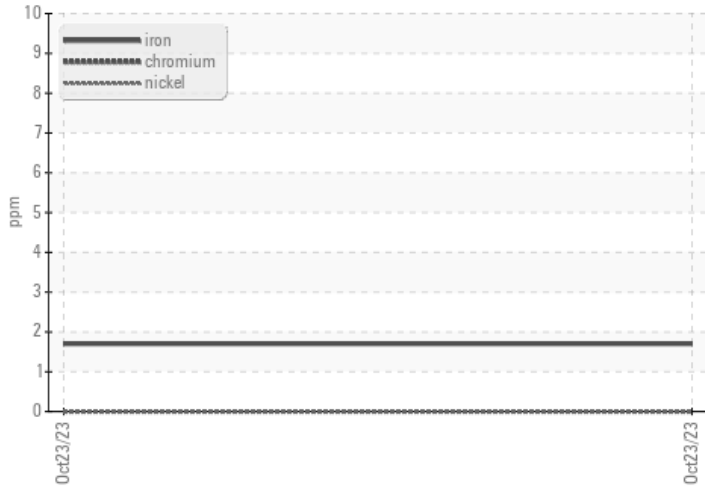


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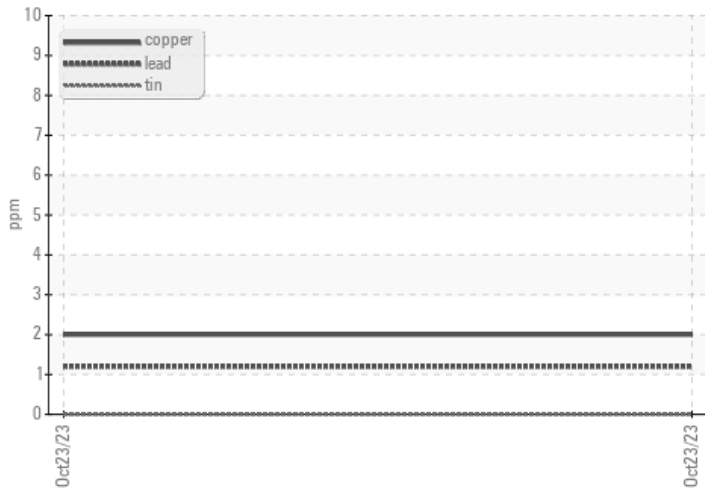


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

