



# CONSTRUCTION EQUIPMENT

## 390104 VOLVO L70G 614241 - HYDRAULIC SYSTEM



**Sample No:** VCP392076  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 390104



### SAMPLE INFORMATION

Sample Number	VCP392076	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	16437	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### STRONGCO EQUIPMENT (CE)

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 Burlington, ON  
 CA L7L 4Y1  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 51662	---	---	---
Particles >6µm		█ 22745	---	---	---
Particles >14µm		█ 1539	---	---	---
ISO 4406:1999 (c)		23/22/18	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

### Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 65	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 401	---	---	---
Phosphorus	ppm	█ 333	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** VOLVO0252  
**Unique No:** 5709673  
**Signed:** Wes Davis  
**Report Date:** 15 Jan 2024

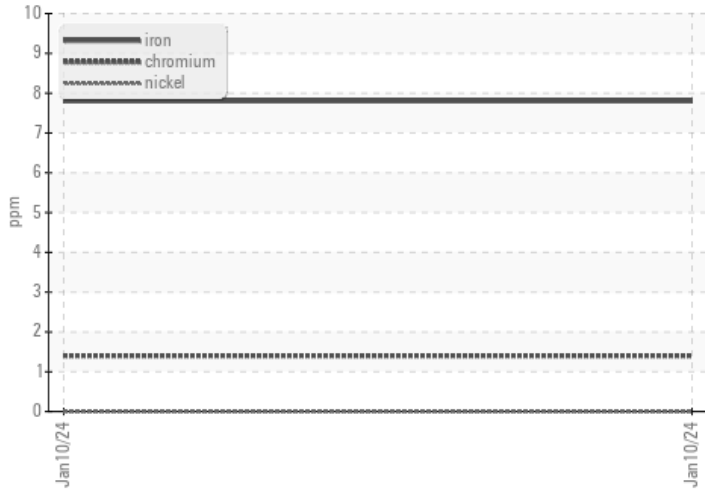


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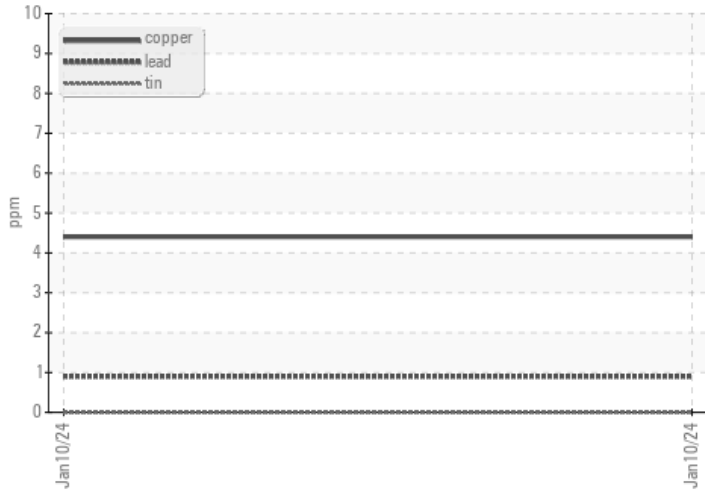


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

