



# CONSTRUCTION EQUIPMENT

MARIPOSA HOMES 374165 VOLVO EC290B 80197 - HYDRAULIC SYSTEM



**Sample No:** VCP392221  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 374165



## SAMPLE INFORMATION

Sample Number	VCP392221	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	9170	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

### Strongco Equipment

5179 Fountain St N.  
Breslau, ON  
CA N0B 1M0  
Contact: Nick Sanders  
nsanders@strongco.com  
T: (519)744-3518  
F: (519)744-3284

## OIL CONDITION

Visc @ 40°C	cSt	▲ 34.9	---	---	---
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## CONTAMINATION

Particles >4µm		▲ 36922	---	---	---
Particles >6µm		▲ 2658	---	---	---
Particles >14µm		■ 19	---	---	---
ISO 4406:1999 (c)		22/19/11	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

### Diagnosis

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## WEAR METALS

Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 147	---	---	---
Magnesium	ppm	56	---	---	---
Zinc	ppm	■ 538	---	---	---
Phosphorus	ppm	■ 481	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

**Depot:** CASKIT  
**Unique No:** 5629534  
**Signed:** Kevin Marson  
**Report Date:** 18 Aug 2023

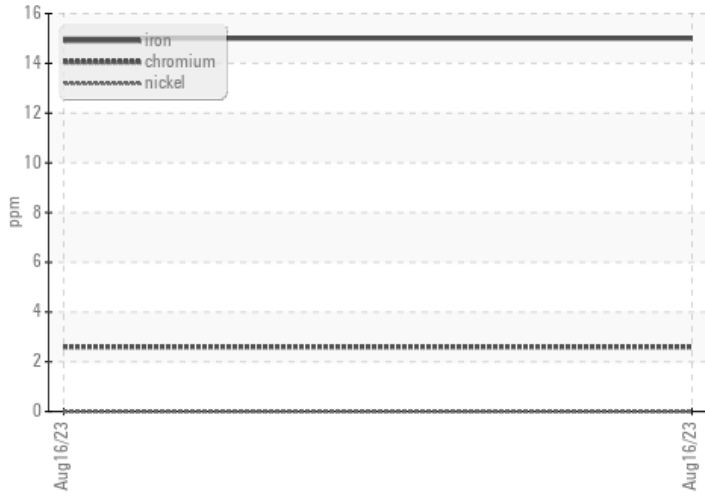


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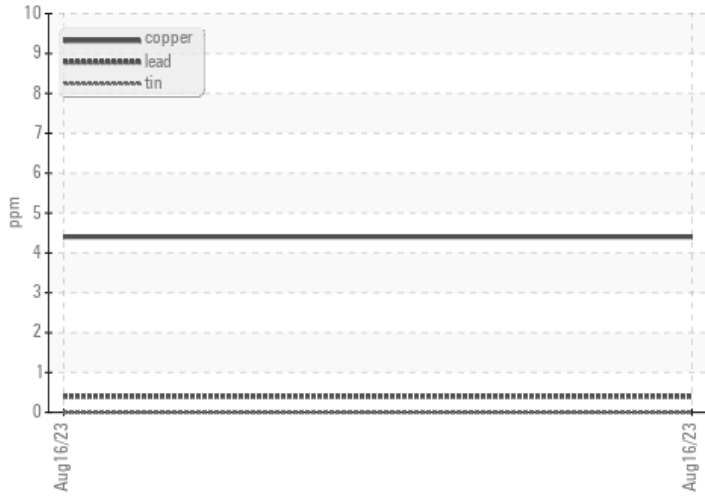


## VOLVO GRAPHS

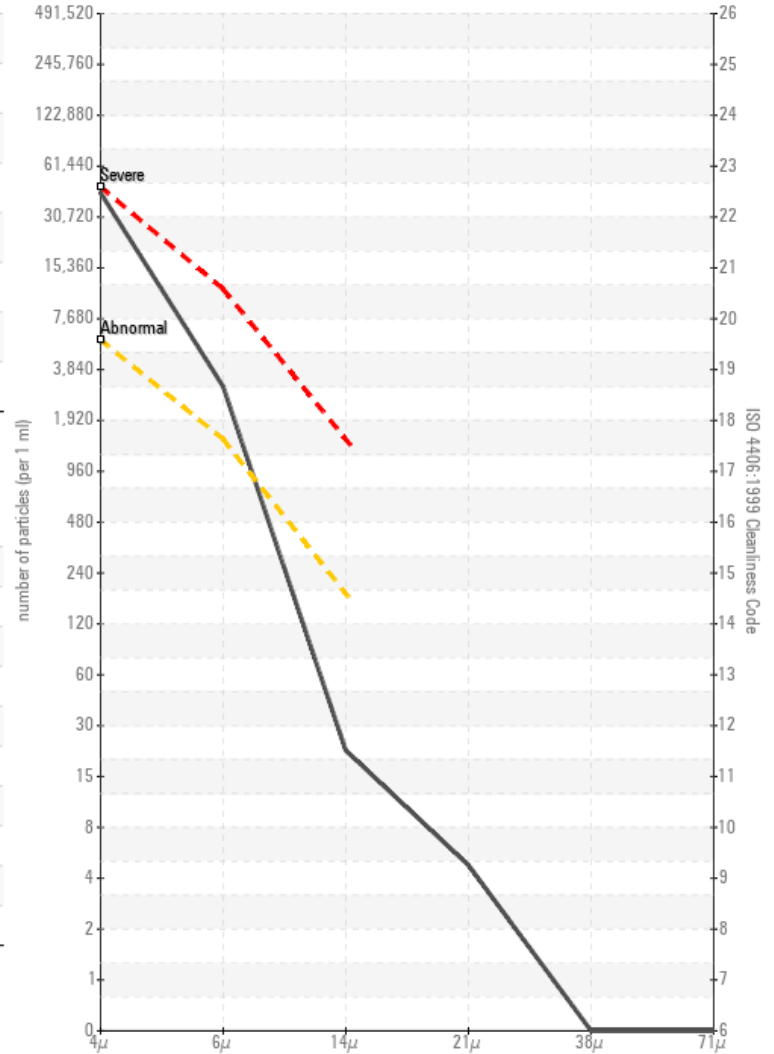
### Ferrous Alloys



### Non-ferrous Metals



### Particle Count



### Viscosity @ 40°C

