



# CONSTRUCTION EQUIPMENT

## 314854 VOLVO G740-VHB 31737 - HYDRAULIC SYSTEM



**Sample No:** VCP349541  
**Oil Type:** CASTROL HVI 32  
**Job No:** 314854



### SAMPLE INFORMATION

Sample Number	VCP349541	---	---	---
Sample Date	27 May 2022	---	---	---
Machine Hours	19749	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW  
 Acheson, AB  
 CA T7X 6C2

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### OIL CONDITION

Visc @ 40°C	cSt	■ 32.6	---	---	---
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### CONTAMINATION

Particles >4µm	◆ 105095	---	---	---
Particles >6µm	◆ 27518	---	---	---
Particles >14µm	▲ 330	---	---	---
ISO 4406:1999 (c)	24/22/16	---	---	---
Silicon	ppm	■ 1	---	---
Sodium	ppm	■ 0	---	---
Potassium	ppm	■ 2	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. 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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. All component wear rates are normal. Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are abnormally high. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 31	---	---	---
Magnesium	ppm	36	---	---	---
Zinc	ppm	■ 352	---	---	---
Phosphorus	ppm	■ 324	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 1	---	---	---

**Depot:** VOLVO3908  
**Unique No:** 5410055  
**Signed:** Kevin Marson  
**Report Date:** 08 Jun 2022

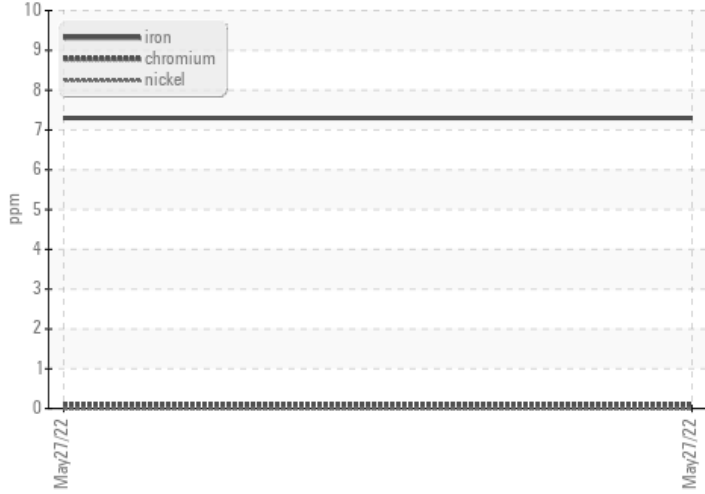


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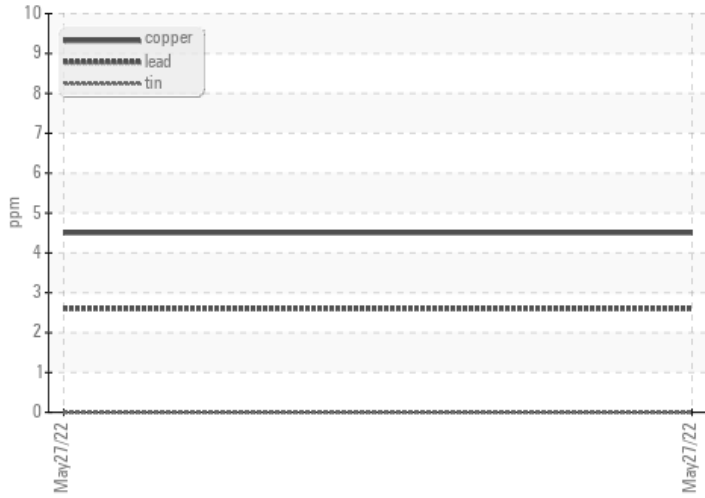


## GRAPHS

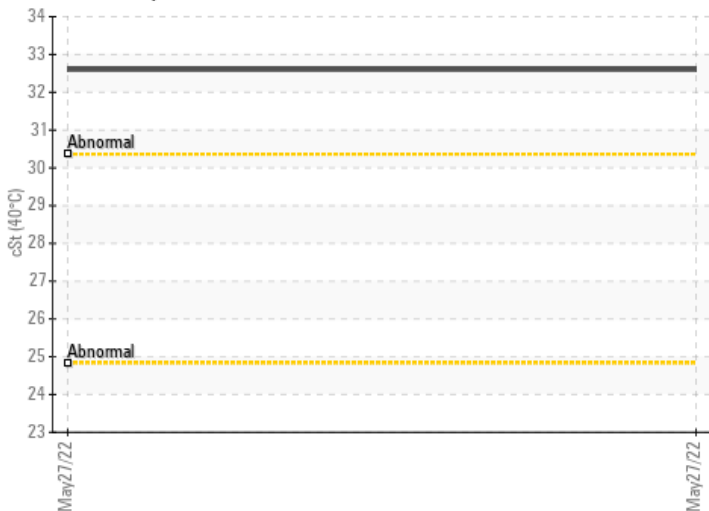
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

