



# CONSTRUCTION EQUIPMENT

WASTE MANAGEMENT 383672 CATERPILLAR 914G 201136 - HYDRAULIC SYSTEM



**Sample No:** VCP429995  
**Oil Type:** TDH FLUID SAE 70W80  
**Job No:** 383672



## SAMPLE INFORMATION

Sample Number	VCP429995	---	---	---
Sample Date	02 Nov 2023	---	---	---
Machine Hours	6650	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

**STRONGCO EQUIPMENT-EDMONTON**  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 39.5	---	---	---
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## CONTAMINATION

Particles >4µm	■ 55770	---	---	---
Particles >6µm	▲ 3219	---	---	---
Particles >14µm	■ 22	---	---	---
ISO 4406:1999 (c)	23/19/12	---	---	---
Silicon	ppm	■ 9	---	---
Sodium	ppm	■ 1	---	---
Potassium	ppm	■ 0	---	---

## 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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 70W80. Please confirm.

All component wear rates are normal. There is a high amount of silt (particulates < 14 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	■ 6	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 2695	---	---	---
Magnesium	ppm	■ 51	---	---	---
Zinc	ppm	■ 1002	---	---	---
Phosphorus	ppm	■ 859	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 2	---	---	---

**Depot:** VOLVO3908  
**Unique No:** 5671745  
**Signed:** Wes Davis  
**Report Date:** 08 Nov 2023

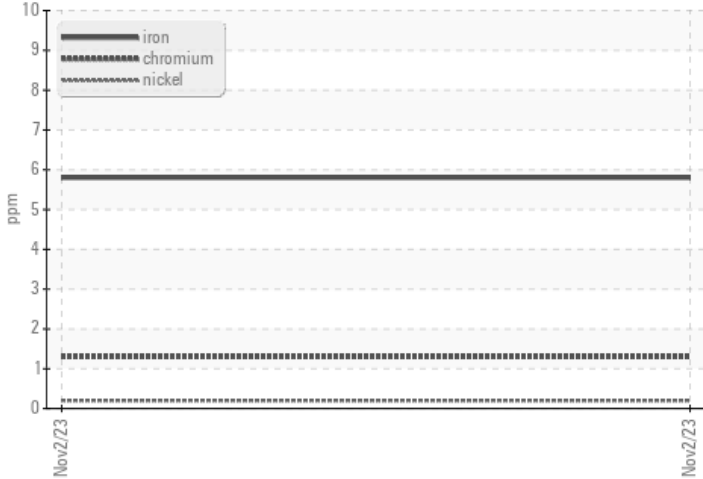


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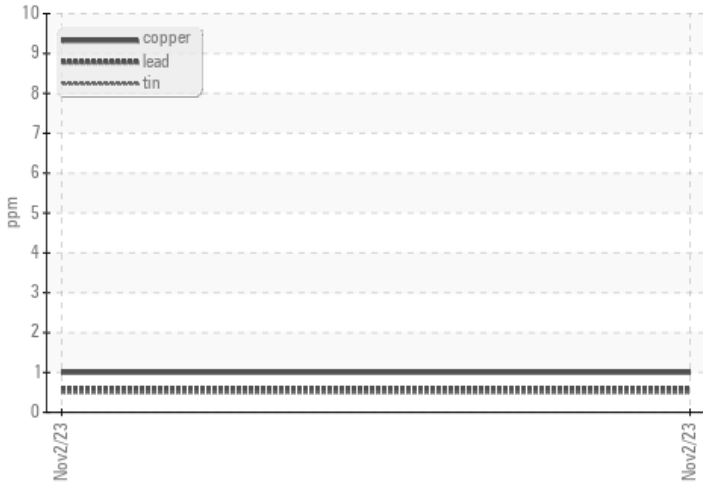


## VOLVO GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

