



# CONSTRUCTION EQUIPMENT

## 314854 VOLVO G940 40867 - HYDRAULIC SYSTEM



**Sample No:** VCP347387  
**Oil Type:** CASTROL HVI 32  
**Job No:** 314854



### SAMPLE INFORMATION

Sample Number	VCP347387	---	---	---
Sample Date	27 May 2022	---	---	---
Machine Hours	11395	---	---	---
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	■ 31.2	---	---	---
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### CONTAMINATION

Particles >4µm	◆ 43415	---	---	---
Particles >6µm	▲ 1502	---	---	---
Particles >14µm	■ 16	---	---	---
ISO 4406:1999 (c)	23/18/11	---	---	---
Silicon	ppm	■ 5	---	---
Sodium	ppm	■ 2	---	---
Potassium	ppm	■ 1	---	---

### 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 >4µm and oil cleanliness are severely high. Particles >6µm are notably high. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	129	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 337	---	---	---
Phosphorus	ppm	■ 304	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

**Depot:** VOLVO3908  
**Unique No:** 5410030  
**Signed:** Kevin Marson  
**Report Date:** 08 Jun 2022



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## VOLVO GRAPHS

