



# CONSTRUCTION EQUIPMENT

CARGILL 389044 VOLVO L120H 16705 - REAR AXLE



**Sample No:** VCP394412  
**Oil Type:** VOLVO WB 102  
**Job No:** 389044



## SAMPLE INFORMATION

Sample Number	<b>VCP394412</b>	VCP334100	---	---
Sample Date	<b>27 Dec 2023</b>	21 Oct 2022	---	---
Machine Hours	<b>2906</b>	1294	---	---
Oil Hours	<b>0</b>	294	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW  
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CA T7X 6C2

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## OIL CONDITION

Visc @ 40°C	cSt	<b>52.0</b>	54.9	---	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>5</b>	10	---	---
Sodium	ppm	<b>2</b>	2	---	---
Potassium	ppm	<b>&lt;1</b>	2	---	---



## WEAR METALS

Iron	ppm	<b>42</b>	33	---	---
Copper	ppm	<b>&lt;1</b>	<1	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	1	---	---
Chromium	ppm	<b>&lt;1</b>	1	---	---
Molybdenum	ppm	<b>&lt;1</b>	2	---	---
Nickel	ppm	<b>&lt;1</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	4	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>2750</b>	2982	---	---
Magnesium	ppm	<b>7</b>	11	---	---
Zinc	ppm	<b>1222</b>	1215	---	---
Phosphorus	ppm	<b>1020</b>	1107	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>10</b>	12	---	---

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3908  
**Unique No:** 5708333  
**Signed:** Kevin Marson  
**Report Date:** 09 Jan 2024



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## GRAPHS

