



# CONSTRUCTION EQUIPMENT

W215513 VOLVO L220H 3193 - REAR AXLE



**Sample No:** VCP323107  
**Oil Type:** VOLVO WB 102  
**Job No:** W215513



## SAMPLE INFORMATION

Sample Number	<b>VCP323107</b>	VCP268662	VCP267639	---
Sample Date	<b>22 Jul 2021</b>	14 Jul 2020	22 May 2020	---
Machine Hours	<b>4950</b>	2646	2289	---
Oil Hours	<b>2000</b>	2646	2289	---
Oil Changed	<b>Changed</b>	Not Changd	N/A	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:



## OIL CONDITION

Visc @ 40°C	cSt	<b>41.3</b>	39.6	39.9	---
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T:  
F:



## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>12</b>	10	10	---
Sodium	ppm	<b>3</b>	4	4	---
Potassium	ppm	<b>&lt;1</b>	2	2	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>34</b>	62	128	---
Copper	ppm	<b>7</b>	9	7	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	1	3	---
Molybdenum	ppm	<b>2</b>	<1	1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>2</b>	2	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3665</b>	3557	3625	---
Magnesium	ppm	<b>9</b>	5	7	---
Zinc	ppm	<b>1513</b>	1524	1359	---
Phosphorus	ppm	<b>1321</b>	1165	1277	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>182</b>	110	113	---

**Depot:** CALEAS  
**Unique No:** 9610324  
**Signed:** Wes Davis  
**Report Date:** 09 Aug 2021



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## GRAPHS

