



# CONSTRUCTION EQUIPMENT

## 525703 VOLVO L220H 3194 - REAR AXLE



**Sample No:** VCP428563  
**Oil Type:** VOLVO WB 102  
**Job No:** 525703



### SAMPLE INFORMATION

Sample Number	<b>VCP428563</b>	VCP405624	VCP396088	VCP361620
Sample Date	<b>05 Apr 2024</b>	17 May 2023	13 Jan 2023	29 Jul 2022
Machine Hours	<b>9203</b>	7697	7191	6398
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	42.3	48.2	40.8
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	13	15	15
Sodium	ppm	<b>2</b>	4	6	8
Potassium	ppm	<b>3</b>	<1	2	0

### 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>36</b>	17	29	48
Copper	ppm	<b>1</b>	0	4	<1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>1</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	1	<1	2
Chromium	ppm	<b>2</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>4031</b>	4069	3981	3938
Magnesium	ppm	<b>16</b>	18	13	14
Zinc	ppm	<b>1649</b>	1703	1559	1573
Phosphorus	ppm	<b>1411</b>	1315	1239	1255
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>134</b>	118	138	148

**Depot:** CALEAS  
**Unique No:** 10968186  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024



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## VOLVO GRAPHS

