



# CONSTRUCTION EQUIPMENT

SWA329567-10 VOLVO L220H 2824 - REAR AXLE



**Sample No:** VCP432730  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA329567-10



## SAMPLE INFORMATION

Sample Number	<b>VCP432730</b>	VCP397115	VCP411106	VCP389668
Sample Date	<b>19 Aug 2023</b>	16 May 2023	01 Mar 2023	15 Nov 2022
Machine Hours	<b>12965</b>	12185	11698	11024
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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



## OIL CONDITION

Visc @ 40°C	cSt	<b>45.5</b>	43.0	42.4	43.1
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T:  
F:



## CONTAMINATION

Silicon	ppm	<b>13</b>	17	17	12
Sodium	ppm	<b>2</b>	2	0	<1
Potassium	ppm	<b>0</b>	<1	2	1

## 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>74</b>	47	60	38
Copper	ppm	<b>&lt;1</b>	<1	0	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>3</b>	<1	2	1
Chromium	ppm	<b>1</b>	1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3911</b>	4211	3878	4165
Magnesium	ppm	<b>21</b>	17	15	14
Zinc	ppm	<b>1557</b>	1696	1526	1613
Phosphorus	ppm	<b>1229</b>	1314	1224	1288
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>148</b>	143	130	137

**Depot:** CALEAS  
**Unique No:** 10617667  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## GRAPHS

