



# CONSTRUCTION EQUIPMENT

## VOLVO L220G 12011 - REAR AXLE



**Sample No:** VCP321672  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP321672</b>	VC046330	VCP148616	VCP168059
Sample Date	<b>30 Nov 2021</b>	30 Sep 2015	21 Jul 2015	02 May 2015
Machine Hours	<b>18873</b>	9146	8604	8009
Oil Hours	<b>0</b>	0	0	2000
Oil Changed	<b>Not Chngd</b>	N/A	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	40.00	40.48	40.1
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	8	12	12
Sodium	ppm	<b>2</b>	1	<1	<1
Potassium	ppm	<b>2</b>	2	1	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 component. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>71</b>	6	13	101
Copper	ppm	<b>12</b>	2	1	7
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	0	0	0
Nickel	ppm	<b>1</b>	0	<1	<1
Titanium	ppm	<b>2</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2727</b>	3938	4180	3739
Magnesium	ppm	<b>11</b>	6	11	10
Zinc	ppm	<b>1214</b>	1677	1617	1429
Phosphorus	ppm	<b>1104</b>	1299	1393	1303
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>62</b>	97	110	109

**Depot:** CALEAS  
**Unique No:** 9762830  
**Signed:** Doug Bogart  
**Report Date:** 04 Dec 2021



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## GRAPHS

