



# CONSTRUCTION EQUIPMENT

## 5 VOLVO L110H 631239 - REAR AXLE



**Sample No:** VCP438543  
**Oil Type:** VOLVO WB 102  
**Job No:** 5



### SAMPLE INFORMATION

Sample Number	<b>VCP438543</b>	VCP415945	VCP390708	VCP342823
Sample Date	<b>04 Jul 2024</b>	27 Jun 2023	25 Oct 2022	18 Nov 2021
Machine Hours	<b>10281</b>	9267	8302	7089
Oil Hours	<b>0</b>	0	2000	1500
Oil Changed	<b>N/A</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	41.5	42.4	40.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>21</b>	14	14	18
Sodium	ppm	<b>4</b>	<1	10	8
Potassium	ppm	<b>0</b>	0	0	<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>93</b>	33	31	188
Copper	ppm	<b>&lt;1</b>	0	<1	10
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	1
Aluminum	ppm	<b>2</b>	3	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	6
Molybdenum	ppm	<b>&lt;1</b>	<1	1	5
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	0	<1	7
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3088</b>	3294	4017	3702
Magnesium	ppm	<b>11</b>	11	19	12
Zinc	ppm	<b>1008</b>	1480	1501	1403
Phosphorus	ppm	<b>1143</b>	1193	1234	1195
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>9</b>	25	151	129

**Depot:** RIPTAM  
**Unique No:** 11117046  
**Signed:** Don Baldrige  
**Report Date:** 13 Jul 2024



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## GRAPHS

