



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 05632247 - REAR AXLE



**Sample No:** VCP407128  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP407128</b>	VCP407152	VCP408000	VCP355835
Sample Date	<b>16 Oct 2023</b>	09 Aug 2023	17 May 2023	01 Feb 2023
Machine Hours	<b>5396</b>	4793	4033	3086
Oil Hours	<b>0</b>	0	947	1044
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**CITY CARTING**  
 221 OLD GATE LN  
 MILFORD, CT  
 US 06460  
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 T: (203)223-3885  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	43.9	42.9	42.8
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### CONTAMINATION

Silicon	ppm	<b>13</b>	12	13	14
Sodium	ppm	<b>2</b>	<1	2	3
Potassium	ppm	<b>0</b>	0	2	2



### WEAR METALS

Iron	ppm	<b>69</b>	59	47	117
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	<1	1	<1
Chromium	ppm	<b>1</b>	<1	1	2
Molybdenum	ppm	<b>4</b>	4	7	8
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3925</b>	4167	4286	4171
Magnesium	ppm	<b>17</b>	17	26	14
Zinc	ppm	<b>1627</b>	1708	1717	1647
Phosphorus	ppm	<b>1294</b>	1293	1313	1312
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>129</b>	144	131	147

### 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.

**Depot:** CITMILCON  
**Unique No:** 10712189  
**Signed:** Wes Davis  
**Report Date:** 26 Oct 2023



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## GRAPHS

