



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 05632247 - REAR AXLE



**Sample No:** VCP436455  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436455</b>	VCP438674	VCP407128	VCP407152
Sample Date	<b>09 Apr 2024</b>	12 Feb 2024	16 Oct 2023	09 Aug 2023
Machine Hours	<b>6919</b>	0	5396	4793
Oil Hours	<b>1523</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**CITY CARTING**  
 221 OLD GATE LN  
 MILFORD, CT  
 US 06460  
 Contact: TAVINS BANKS  
 tavins@citycart.net  
 T: (203)223-3885  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	43.2	43.0	43.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>16</b>	14	13	12
Sodium	ppm	<b>2</b>	<1	2	<1
Potassium	ppm	<b>0</b>	0	0	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>59</b>	33	69	59
Copper	ppm	<b>4</b>	0	0	0
Lead	ppm	<b>10</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	1	<1
Molybdenum	ppm	<b>3</b>	3	4	4
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4196</b>	3950	3925	4167
Magnesium	ppm	<b>26</b>	26	17	17
Zinc	ppm	<b>1697</b>	1627	1627	1708
Phosphorus	ppm	<b>1455</b>	1319	1294	1293
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>151</b>	130	129	144

**Depot:** CITMILCON  
**Unique No:** 10980885  
**Signed:** Wes Davis  
**Report Date:** 17 Apr 2024



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## GRAPHS

