



# CONSTRUCTION EQUIPMENT

## 660149 VOLVO L110H 631695 - REAR AXLE



**Sample No:** VCP441890  
**Oil Type:** VOLVO WB 102  
**Job No:** 660149



### SAMPLE INFORMATION

Sample Number	<b>VCP441890</b>	VCP417591	VCP386169	VCP353948
Sample Date	<b>15 Jan 2024</b>	26 May 2023	07 Nov 2022	19 Aug 2022
Machine Hours	<b>19534</b>	18421	17370	16204
Oil Hours	<b>6000</b>	2000	500	500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**COVANTA**  
 350 FLAKENBURG ROAD  
 TAMPA, FL  
 US 33619  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	43.6	43.3	40.6
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T: (813)684-5688  
 F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	14	15	17
Sodium	ppm	<b>0</b>	0	<1	3
Potassium	ppm	<b>2</b>	2	0	2

### 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>105</b>	107	46	▲ 854
Copper	ppm	<b>&lt;1</b>	<1	0	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	1	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	8
Molybdenum	ppm	<b>21</b>	23	15	38
Nickel	ppm	<b>&lt;1</b>	1	0	8
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	8
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3672</b>	4312	4194	4120
Magnesium	ppm	<b>48</b>	49	49	14
Zinc	ppm	<b>1564</b>	1663	1555	1736
Phosphorus	ppm	<b>1282</b>	1322	1267	1374
Barium	ppm	<b>10</b>	0	0	0
Boron	ppm	<b>123</b>	149	153	120

**Depot:** COVTAM  
**Unique No:** 10886626  
**Signed:** Wes Davis  
**Report Date:** 20 Feb 2024



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## GRAPHS

