



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 631332 - FRONT AXLE



**Sample No:** VCP445475  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP445475</b>	VCP426334	VCP386124	VCP359709
Sample Date	<b>17 Apr 2024</b>	06 Sep 2023	01 Dec 2022	26 Jul 2022
Machine Hours	<b>10389</b>	9270	8127	7686
Oil Hours	<b>0</b>	2270	2000	1686
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>40.7</b>	41.1	39.8	42.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	12	11	11
Sodium	ppm	<b>&lt;1</b>	0	4	4
Potassium	ppm	<b>0</b>	2	2	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>20</b>	29	119	92
Copper	ppm	<b>38</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>0</b>	<1	2	2
Molybdenum	ppm	<b>0</b>	<1	1	2
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3490</b>	3483	4098	3671
Magnesium	ppm	<b>7</b>	9	24	25
Zinc	ppm	<b>1534</b>	1527	1651	1540
Phosphorus	ppm	<b>1321</b>	1213	1315	1235
Barium	ppm	<b>0</b>	1	1	0
Boron	ppm	<b>60</b>	35	126	136

**Depot:** RIPTAM  
**Unique No:** 11056492  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024



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## VOLVO GRAPHS

