



# CONSTRUCTION EQUIPMENT

## 661396 VOLVO L110H 631024 - FRONT AXLE



**Sample No:** VCP438082  
**Oil Type:** VOLVO WB 102  
**Job No:** 661396



### SAMPLE INFORMATION

Sample Number	<b>VCP438082</b>	VCP405130	VCP381264	VCP360964
Sample Date	<b>10 Feb 2024</b>	18 Apr 2023	02 Nov 2022	18 Apr 2022
Machine Hours	<b>10869</b>	9834	9345	8655
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HUBBARD CONSTRUCTION**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	42.2	42.3	42.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	14	13	12
Sodium	ppm	<b>&lt;1</b>	4	4	9
Potassium	ppm	<b>2</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>86</b>	36	36	43
Copper	ppm	<b>35</b>	24	17	33
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	1	1	1
Chromium	ppm	<b>2</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4166</b>	3739	3923	3807
Magnesium	ppm	<b>21</b>	18	17	23
Zinc	ppm	<b>1642</b>	1547	1594	1465
Phosphorus	ppm	<b>1493</b>	1270	1183	1293
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>152</b>	135	138	140

**Depot:** HUBORL  
**Unique No:** 10876580  
**Signed:** Wes Davis  
**Report Date:** 15 Feb 2024



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## VOLVO GRAPHS

