



# CONSTRUCTION EQUIPMENT

W14796 VOLVO L110H 631820 - FRONT AXLE



**Sample No:** VCP441220  
**Oil Type:** VOLVO WB 102  
**Job No:** W14796



## SAMPLE INFORMATION

Sample Number	<b>VCP441220</b>	VCP424366	VCP411471	VCP367733
Sample Date	<b>05 Oct 2023</b>	10 Jul 2023	11 Apr 2023	09 Jan 2023
Machine Hours	<b>5978</b>	5538	5083	4597
Oil Hours	<b>2000</b>	500	500	4000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>43.7</b>	44.4	44.1	41.2
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## CONTAMINATION

Silicon	ppm	<b>17</b>	14	25	12
Sodium	ppm	<b>2</b>	3	3	9
Potassium	ppm	<b>2</b>	<1	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>90</b>	48	175	98
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>2</b>	<1	2	2
Molybdenum	ppm	<b>2</b>	3	2	4
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	3	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4263</b>	4093	3910	3702
Magnesium	ppm	<b>24</b>	21	27	27
Zinc	ppm	<b>1822</b>	1644	1624	1496
Phosphorus	ppm	<b>1431</b>	1285	1264	1220
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>141</b>	115	134	117

**Depot:** VOLVO0080  
**Unique No:** 10695801  
**Signed:** Wes Davis  
**Report Date:** 16 Oct 2023



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## GRAPHS

