



# CONSTRUCTION EQUIPMENT

W14796 VOLVO L110H 631820 - REAR AXLE



**Sample No:** VCP347776  
**Oil Type:** VOLVO WB 102  
**Job No:** W14796



## SAMPLE INFORMATION

Sample Number	<b>VCP347776</b>	VCP424367	VCP411469	VCP367734
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	1000	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>43.6</b>	44.4	44.1	41.7
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## CONTAMINATION

Silicon	ppm	<b>14</b>	13	14	15
Sodium	ppm	<b>&lt;1</b>	2	2	13
Potassium	ppm	<b>2</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>75</b>	46	73	91
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	2	<1	2
Chromium	ppm	<b>1</b>	<1	1	2
Molybdenum	ppm	<b>2</b>	2	2	5
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3755</b>	4005	3948	4727
Magnesium	ppm	<b>19</b>	20	28	36
Zinc	ppm	<b>1625</b>	1630	1650	2030
Phosphorus	ppm	<b>1285</b>	1262	1275	1749
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>124</b>	112	132	146

## 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.

**Depot:** VOLVO0080  
**Unique No:** 10695824  
**Signed:** Wes Davis  
**Report Date:** 16 Oct 2023



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## GRAPHS

