



# CONSTRUCTION EQUIPMENT

## 703130 VOLVO L110H 632535 - FRONT AXLE



**Sample No:** VCP451319  
**Oil Type:** VOLVO WB 102  
**Job No:** 703130



### SAMPLE INFORMATION

Sample Number	<b>VCP451319</b>	VCP437658	VCP434894	VCP417614
Sample Date	<b>25 Apr 2024</b>	16 Jan 2024	31 Aug 2023	01 Aug 2023
Machine Hours	<b>2591</b>	1889	1027	810
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	42.5	42.8	40.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	16	13	21
Sodium	ppm	<b>0</b>	1	0	5
Potassium	ppm	<b>2</b>	0	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>136</b>	97	37	140
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	<1	2	3
Chromium	ppm	<b>3</b>	2	1	4
Molybdenum	ppm	<b>3</b>	2	0	13
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	4	2	9
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>4249</b>	3830	4140	4027
Magnesium	ppm	<b>15</b>	14	16	11
Zinc	ppm	<b>1739</b>	1523	1670	1635
Phosphorus	ppm	<b>1478</b>	1273	1319	1360
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>168</b>	125	136	174

**Depot:** VOLVO0096  
**Unique No:** 11006770  
**Signed:** Wes Davis  
**Report Date:** 02 May 2024



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## GRAPHS

