



# CONSTRUCTION EQUIPMENT

## A11315 VOLVO L110F 5151 - REAR AXLE



**Sample No:** VCP430654  
**Oil Type:** MOBIL WB 102  
**Job No:** A11315



### SAMPLE INFORMATION

Sample Number	<b>VCP430654</b>	VCP406365	VCP140037	VCE158786
Sample Date	<b>19 Oct 2023</b>	08 May 2023	02 Jul 2013	12 Sep 2012
Machine Hours	<b>24830</b>	23415	3887	0
Oil Hours	<b>2000</b>	1000	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.0</b>	39.8	42.02	140.0
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### CONTAMINATION

Silicon	ppm	<b>12</b>	8	13	14
Sodium	ppm	<b>7</b>	5	2	2
Potassium	ppm	<b>&lt;1</b>	2	<1	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>33</b>	13	55	27
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	2	<1
Molybdenum	ppm	<b>0</b>	1	<1	1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>3714</b>	3598	4032	4064
Magnesium	ppm	<b>19</b>	12	9	12
Zinc	ppm	<b>1581</b>	1583	1662	1753
Phosphorus	ppm	<b>1240</b>	1281	1323	1404
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>128</b>	116	123	140

**Depot:** COVBAl  
**Unique No:** 10712193  
**Signed:** Wes Davis  
**Report Date:** 26 Oct 2023



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## GRAPHS

