



# CONSTRUCTION EQUIPMENT

## A11313 VOLVO L110F 4840 - REAR AXLE



**Sample No:** VCP431251  
**Oil Type:** MOBIL WB 102  
**Job No:** A11313



### SAMPLE INFORMATION

Sample Number	<b>VCP431251</b>	VCP307355	VCP299979	VCP264912
Sample Date	<b>18 Oct 2023</b>	02 Jun 2021	13 Jan 2021	24 Jun 2020
Machine Hours	<b>27975</b>	26458	26099	25689
Oil Hours	<b>2000</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.2</b>	40.5	41.4	40.5
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### CONTAMINATION

Silicon	ppm	<b>12</b>	10	12	12
Sodium	ppm	<b>8</b>	2	8	6
Potassium	ppm	<b>&lt;1</b>	<1	10	3

### 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>15</b>	9	10	6
Copper	ppm	<b>0</b>	0	0	0
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	2	<1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3649</b>	3646	4494	4100
Magnesium	ppm	<b>18</b>	14	20	17
Zinc	ppm	<b>1528</b>	1478	1728	1636
Phosphorus	ppm	<b>1228</b>	1215	1371	1370
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>125</b>	300	128	125

**Depot:** COVBAl  
**Unique No:** 10712210  
**Signed:** Wes Davis  
**Report Date:** 26 Oct 2023



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## GRAPHS

