



# CONSTRUCTION EQUIPMENT

## A11315 VOLVO L110F 5151 - FRONT AXLE



**Sample No:** VCP431255  
**Oil Type:** MOBIL WB 102  
**Job No:** A11315



### SAMPLE INFORMATION

Sample Number	<b>VCP431255</b>	VCP400801	VCP140033	VCE158947
Sample Date	<b>19 Oct 2023</b>	08 May 2023	02 Jul 2013	12 Sep 2012
Machine Hours	<b>24830</b>	23415	3899	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	MARGINAL	NORMAL

**COVANTA INC**  
 1911 RIVER RD  
 BAINBRIDGE, PA  
 US 17502  
 Contact: RON HENDERSHOT  
 rhendershot@covantaenergy.com  
 T: (717)426-4938  
 F: (717)426-1970



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	39.9	46.7	40.25
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### CONTAMINATION

Water	%	---	---	▲ 0.194	---
Silicon	ppm	<b>12</b>	9	12	14
Sodium	ppm	<b>7</b>	5	2	2
Potassium	ppm	<b>&lt;1</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>28</b>	13	55	27
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>0</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	0
Manganese	ppm	<b>&lt;1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3731</b>	3642	3993	4072
Magnesium	ppm	<b>18</b>	13	8	12
Zinc	ppm	<b>1570</b>	1575	1691	1746
Phosphorus	ppm	<b>1243</b>	1270	1345	1435
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>129</b>	118	123	138

**Depot:** COVBAI  
**Unique No:** 10712208  
**Signed:** Wes Davis  
**Report Date:** 26 Oct 2023



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## VOLVO GRAPHS

