



# CONSTRUCTION EQUIPMENT

## A10814 STELLA JONES VOLVO L110G 8543 - REAR AXLE



**Sample No:** VCP411849  
**Oil Type:** MOBIL WB 102  
**Job No:** A10814 STELLA JONES



### SAMPLE INFORMATION

Sample Number	<b>VCP411849</b>	VCP356290	VCP283617	VCP261799
Sample Date	<b>02 Aug 2023</b>	09 Mar 2022	22 Jul 2020	31 Dec 2019
Machine Hours	<b>6025</b>	5025	4100	3750
Oil Hours	<b>2000</b>	1000	2000	1000
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.5</b>	40.3	44.0	43.6
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### CONTAMINATION

Silicon	ppm	<b>12</b>	9	10	12
Sodium	ppm	<b>8</b>	8	2	2
Potassium	ppm	<b>0</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>45</b>	11	28	38
Copper	ppm	<b>&lt;1</b>	0	0	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	2	2
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	2	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3871</b>	3916	3600	3657
Magnesium	ppm	<b>24</b>	17	32	34
Zinc	ppm	<b>1561</b>	1506	1519	1503
Phosphorus	ppm	<b>1265</b>	1350	1236	1123
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>146</b>	124	109	101

### 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:** VOLVO8879  
**Unique No:** 10601775  
**Signed:** Wes Davis  
**Report Date:** 11 Aug 2023



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## GRAPHS

