



# CONSTRUCTION EQUIPMENT

## TUCKER PAVING VOLVO L110H 631215 - FRONT AXLE



**Sample No:** VCP454930  
**Oil Type:** VOLVO WB 102  
**Job No:** TUCKER PAVING



### SAMPLE INFORMATION

Sample Number	<b>VCP454930</b>	VCP426240	VCP402754	VCP374624
Sample Date	<b>23 May 2024</b>	03 Nov 2023	07 Mar 2023	10 Jun 2022
Machine Hours	<b>13545</b>	12508	11469	10090
Oil Hours	<b>0</b>	2000	1000	1500
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 40°C	cSt	<b>54.5</b>	43.6	43.9	43.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	21	20	14
Sodium	ppm	<b>0</b>	4	3	10
Potassium	ppm	<b>2</b>	<1	2	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>15</b>	71	49	26
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	<1	1
Aluminum	ppm	<b>1</b>	2	<1	1
Chromium	ppm	<b>&lt;1</b>	1	<1	<1
Molybdenum	ppm	<b>9</b>	9	11	2
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3265</b>	3617	4076	3989
Magnesium	ppm	<b>43</b>	37	46	25
Zinc	ppm	<b>1370</b>	1496	1699	1586
Phosphorus	ppm	<b>1241</b>	1217	1278	1273
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>150</b>	125	129	165

**Depot:** VOLVO0093  
**Unique No:** 11049310  
**Signed:** Wes Davis  
**Report Date:** 30 May 2024



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## GRAPHS

