



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 624404 - FRONT AXLE



**Sample No:** VCP424098  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP424098</b>	VCP356107	VCP355681	VCP355683
Sample Date	<b>15 Jun 2023</b>	19 Dec 2022	01 Apr 2022	01 Apr 2022
Machine Hours	<b>0</b>	16595	13581	13581
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.1</b>	42.5	43.7	42.4
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### CONTAMINATION

Silicon	ppm	<b>13</b>	11	13	15
Sodium	ppm	<b>3</b>	3	7	7
Potassium	ppm	<b>0</b>	3	0	0



### WEAR METALS

Iron	ppm	<b>18</b>	11	22	20
Copper	ppm	<b>0</b>	<1	3	0
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4159</b>	4167	4287	4304
Magnesium	ppm	<b>14</b>	11	17	17
Zinc	ppm	<b>1625</b>	1621	1621	1627
Phosphorus	ppm	<b>1256</b>	1272	1333	1339
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>143</b>	124	138	139

### 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:** VOLVO0142  
**Unique No:** 10522354  
**Signed:** Wes Davis  
**Report Date:** 20 Jun 2023



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## VOLVO GRAPHS

