



# CONSTRUCTION EQUIPMENT

## 716675 ALTA RENTS VOLVO L70H 624454 - FRONT AXLE



**Sample No:** VCP449705  
**Oil Type:** VOLVO WB 102  
**Job No:** 716675 ALTA RENTS



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### SAMPLE INFORMATION

Sample Number	<b>VCP449705</b>	VCP428725	VCP418904	---
Sample Date	<b>20 May 2024</b>	20 Dec 2023	23 May 2023	---
Machine Hours	<b>4170</b>	3446	2683	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	42.5	39.9	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	14	12	---
Sodium	ppm	<b>2</b>	1	8	---
Potassium	ppm	<b>0</b>	1	2	---



### WEAR METALS

Iron	ppm	<b>27</b>	53	103	---
Copper	ppm	<b>&lt;1</b>	1	<1	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	<1	0	---
Aluminum	ppm	<b>2</b>	2	1	---
Chromium	ppm	<b>&lt;1</b>	2	4	---
Molybdenum	ppm	<b>4</b>	6	10	---
Nickel	ppm	<b>0</b>	<1	1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	5	13	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3917</b>	3779	4051	---
Magnesium	ppm	<b>29</b>	29	12	---
Zinc	ppm	<b>1627</b>	1594	1670	---
Phosphorus	ppm	<b>1267</b>	1283	1312	---
Barium	ppm	<b>0</b>	10	2	---
Boron	ppm	<b>141</b>	134	127	---

### 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:** VOLVO0093  
**Unique No:** 11047546  
**Signed:** Wes Davis  
**Report Date:** 28 May 2024



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## GRAPHS

