



# CONSTRUCTION EQUIPMENT

## 4870 IAA VOLVO L90H 623880 - FRONT AXLE



**Sample No:** VCP438979  
**Oil Type:** VOLVO WB 102  
**Job No:** 4870 IAA



### SAMPLE INFORMATION

Sample Number	<b>VCP438979</b>	VCP422399	VCP355229	VCP342274
Sample Date	<b>04 Jan 2024</b>	11 May 2023	01 Jul 2022	04 Feb 2022
Machine Hours	<b>8022</b>	7479	6400	5935
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.6</b>	43.4	54.3	41.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	9	12	9
Sodium	ppm	<b>0</b>	0	2	6
Potassium	ppm	<b>2</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>	14	11	40
Copper	ppm	<b>2</b>	1	<1	3
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	<1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3765</b>	3126	3377	2296
Magnesium	ppm	<b>16</b>	10	24	17
Zinc	ppm	<b>1571</b>	1349	1243	972
Phosphorus	ppm	<b>1250</b>	1117	1001	899
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>143</b>	102	97	72

**Depot:** VOLVO0096  
**Unique No:** 10831003  
**Signed:** Wes Davis  
**Report Date:** 14 Jan 2024



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## GRAPHS

