



# CONSTRUCTION EQUIPMENT

SW1032182 6 IAA VOLVO L90H 625150 - FRONT AXLE



**Sample No:** VCP442957  
**Oil Type:** VOLVO WB 102  
**Job No:** SW1032182 6 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP442957</b>	VCP369007	VCP299909	---
Sample Date	<b>28 Mar 2024</b>	02 May 2023	13 Jan 2021	---
Machine Hours	<b>8415</b>	6748	2044	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.0</b>	39.4	39.7	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>10</b>	8	15	---
Sodium	ppm	<b>4</b>	8	10	---
Potassium	ppm	<b>2</b>	0	1	---

## 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>24</b>	42	46	---
Copper	ppm	<b>8</b>	13	10	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	0	2	---
Aluminum	ppm	<b>2</b>	5	1	---
Chromium	ppm	<b>1</b>	<1	2	---
Molybdenum	ppm	<b>2</b>	1	8	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	2	5	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3710</b>	3698	4453	---
Magnesium	ppm	<b>13</b>	21	11	---
Zinc	ppm	<b>1527</b>	1575	1717	---
Phosphorus	ppm	<b>1215</b>	1280	1463	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>120</b>	114	121	---

**Depot:** VOLVO6174  
**Unique No:** 10963655  
**Signed:** Wes Davis  
**Report Date:** 05 Apr 2024



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## GRAPHS

