



# CONSTRUCTION EQUIPMENT

## 24566 VOLVO L90H 625946 - FRONT AXLE



**Sample No:** VCP435161  
**Oil Type:** VOLVO WB 102  
**Job No:** 24566



### SAMPLE INFORMATION

Sample Number	<b>VCP435161</b>	VCP400703	---	---
Sample Date	<b>14 Dec 2023</b>	14 Feb 2023	---	---
Machine Hours	<b>1980</b>	948	---	---
Oil Hours	<b>1000</b>	100	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>MARGINAL</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	40.0	---	---
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### CONTAMINATION

Water	%	<b>0.245</b>	NEG	---	---
Silicon	ppm	<b>14</b>	14	---	---
Sodium	ppm	<b>6</b>	13	---	---
Potassium	ppm	<b>0</b>	0	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>51</b>	59	---	---
Copper	ppm	<b>&lt;1</b>	2	---	---
Lead	ppm	<b>0</b>	1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	0	---	---
Chromium	ppm	<b>2</b>	3	---	---
Molybdenum	ppm	<b>8</b>	13	---	---
Nickel	ppm	<b>0</b>	1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>8</b>	12	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3805</b>	4004	---	---
Magnesium	ppm	<b>24</b>	15	---	---
Zinc	ppm	<b>1585</b>	1558	---	---
Phosphorus	ppm	<b>1292</b>	1294	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>135</b>	154	---	---

**Depot:** VOLVO3387  
**Unique No:** 10793449  
**Signed:** Don Baldrige  
**Report Date:** 20 Dec 2023



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## GRAPHS

