



# CONSTRUCTION EQUIPMENT

## SW-27905-2 MANHEIM VOLVO L90F 68702 - FRONT AXLE



**Sample No:** VCP435844  
**Oil Type:** VOLVO WB 102  
**Job No:** SW-27905-2 MANHEIM



### SAMPLE INFORMATION

Sample Number	<b>VCP435844</b>	VCP357184	VCP143407	---
Sample Date	<b>22 Dec 2023</b>	01 Apr 2022	03 Apr 2014	---
Machine Hours	<b>17058</b>	14595	4482	---
Oil Hours	<b>2500</b>	2000	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>43.5</b>	39.8	40.4	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>10</b>	12	13	---
Sodium	ppm	<b>0</b>	4	<1	---
Potassium	ppm	<b>0</b>	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>23</b>	27	23	---
Copper	ppm	<b>0</b>	<1	0	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>2</b>	<1	2	---
Chromium	ppm	<b>1</b>	<1	1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>0</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	<1	---



### ADDITIVES

Calcium	ppm	<b>4299</b>	4753	4183	---
Magnesium	ppm	<b>10</b>	20	14	---
Zinc	ppm	<b>1725</b>	1728	1794	---
Phosphorus	ppm	<b>1463</b>	1614	1419	---
Barium	ppm	<b>4</b>	0	0	---
Boron	ppm	<b>142</b>	145	121	---

**Depot:** VOLVO8770  
**Unique No:** 10809866  
**Signed:** Wes Davis  
**Report Date:** 03 Jan 2024



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## GRAPHS

