



# CONSTRUCTION EQUIPMENT

546761 WM VOLVO L90H 624438 - FRONT AXLE



**Sample No:** VCP451275  
**Oil Type:** VOLVO WB 102  
**Job No:** 546761 WM



## SAMPLE INFORMATION

Sample Number	<b>VCP451275</b>	VCP439286	VCP431531	VCP432307
Sample Date	<b>26 Apr 2024</b>	26 Jan 2024	15 Dec 2023	27 Oct 2023
Machine Hours	<b>13898</b>	13382	12918	12363
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>45.5</b>	45.8	42.9	43.0
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	14	13	12
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>2</b>	2	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>47</b>	42	72	59
Copper	ppm	<b>2</b>	2	3	<1
Lead	ppm	<b>1</b>	<1	1	0
Tin	ppm	<b>1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	<1	1	<1
Chromium	ppm	<b>1</b>	1	1	0
Molybdenum	ppm	<b>5</b>	4	4	2
Nickel	ppm	<b>1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>3881</b>	3573	3458	3584
Magnesium	ppm	<b>41</b>	42	17	31
Zinc	ppm	<b>1590</b>	1658	1439	1463
Phosphorus	ppm	<b>1292</b>	1194	1132	1098
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>140</b>	128	136	154

**Depot:** VOLVO0096  
**Unique No:** 11019016  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024



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## VOLVO GRAPHS

