



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 625060 - REAR AXLE



**Sample No:** VCP416291  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416291</b>	VCP417653	VCP300164	---
Sample Date	<b>25 Aug 2023</b>	25 Aug 2023	11 Feb 2021	---
Machine Hours	<b>2836</b>	2836	914	---
Oil Hours	<b>0</b>	0	914	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	41.9	41.8	---
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### CONTAMINATION

Silicon	ppm	<b>25</b>	25	15	---
Sodium	ppm	<b>9</b>	9	7	---
Potassium	ppm	<b>&lt;1</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>74</b>	75	78	---
Copper	ppm	<b>&lt;1</b>	<1	11	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	<1	1	---
Aluminum	ppm	<b>2</b>	2	<1	---
Chromium	ppm	<b>2</b>	2	4	---
Molybdenum	ppm	<b>2</b>	2	4	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>4</b>	4	8	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>4096</b>	4063	4309	---
Magnesium	ppm	<b>6</b>	5	15	---
Zinc	ppm	<b>1529</b>	1503	1640	---
Phosphorus	ppm	<b>1268</b>	1271	1405	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>126</b>	127	133	---

**Depot:** RIPTAM  
**Unique No:** 10655604  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023



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## GRAPHS

