



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 625046 - FRONT AXLE



**Sample No:** VCP417326  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP417326</b>	VCP345802	VCP293890	---
Sample Date	<b>12 Jun 2023</b>	28 Jan 2022	09 Dec 2020	---
Machine Hours	<b>3112</b>	2000	957	---
Oil Hours	<b>0</b>	2000	957	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: ROBERT TURNER  
 rturner@ripatampa.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	39.5	39.4	---
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### CONTAMINATION

Silicon	ppm	<b>13</b>	12	8	---
Sodium	ppm	<b>6</b>	4	3	---
Potassium	ppm	<b>0</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>23</b>	70	34	---
Copper	ppm	<b>0</b>	1	<1	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	<1	---
Chromium	ppm	<b>1</b>	4	2	---
Molybdenum	ppm	<b>2</b>	11	7	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	9	5	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>3579</b>	4007	4094	---
Magnesium	ppm	<b>17</b>	15	9	---
Zinc	ppm	<b>1532</b>	1560	1557	---
Phosphorus	ppm	<b>1218</b>	1370	1350	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>121</b>	128	123	---

**Depot:** RIPTAM  
**Unique No:** 10552314  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023



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## GRAPHS

