



# CONSTRUCTION EQUIPMENT

## VOLVO L90G 3117 - REAR AXLE



**Sample No:** VCP434268  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP434268</b>	VCE173754	---	---
Sample Date	<b>18 Jun 2024</b>	24 Mar 2015	---	---
Machine Hours	<b>13585</b>	3500	---	---
Oil Hours	<b>1000</b>	3500	---	---
Oil Changed	<b>Not Changd</b>	Not Changd	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

**LEONARDS CONTRACTING**  
 30850 STEPHENSON HWY  
 MADISON HEIGHTS, MI  
 US 48071  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	41.07	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>48</b>	21	---	---
Sodium	ppm	<b>10</b>	3	---	---
Potassium	ppm	<b>2</b>	2	---	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>155</b>	174	---	---
Copper	ppm	<b>29</b>	88	---	---
Lead	ppm	<b>&lt;1</b>	2	---	---
Tin	ppm	<b>2</b>	8	---	---
Aluminum	ppm	<b>6</b>	2	---	---
Chromium	ppm	<b>2</b>	6	---	---
Molybdenum	ppm	<b>2</b>	7	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>2</b>	7	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>3959</b>	4210	---	---
Magnesium	ppm	<b>23</b>	11	---	---
Zinc	ppm	<b>1563</b>	1713	---	---
Phosphorus	ppm	<b>1280</b>	1477	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>119</b>	123	---	---

**Depot:** LEOMAD  
**Unique No:** 11099786  
**Signed:** Jonathan Hester  
**Report Date:** 28 Jun 2024



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## GRAPHS

