



# CONSTRUCTION EQUIPMENT

## 302924 VOLVO L90G 617783 - REAR AXLE



**Sample No:** VCP417407  
**Oil Type:** VOLVO WB 102  
**Job No:** 302924



### SAMPLE INFORMATION

Sample Number	<b>VCP417407</b>	VCP354958	VCP378875	VCP301955
Sample Date	<b>06 Jul 2023</b>	15 Dec 2022	24 May 2022	06 Jan 2021
Machine Hours	<b>11536</b>	11049	10496	9508
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**COVANTA LAKES**  
 3830 ROGERS INDUSTRIAL PARK ROAD  
 OKAHUMPKA, FL  
 US 32762  
 Contact: SERVICE MANAGER

### OIL CONDITION

Visc @ 40°C	cSt	<b>44.6</b>	42.4	40.1	40.2
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T:  
F:

### CONTAMINATION

Water	%	<b>0.487</b>	---	---	---
Silicon	ppm	<b>18</b>	9	13	12
Sodium	ppm	<b>2</b>	6	6	8
Potassium	ppm	<b>0</b>	0	0	<1

### Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>107</b>	84	149	86
Copper	ppm	<b>4</b>	2	2	2
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	2	<1	<1
Aluminum	ppm	<b>3</b>	7	2	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>10</b>	4	8	6
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	<1	1	1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>4092</b>	3402	3955	4070
Magnesium	ppm	<b>27</b>	15	19	18
Zinc	ppm	<b>1692</b>	1411	1628	1562
Phosphorus	ppm	<b>1314</b>	1208	1253	1296
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>136</b>	109	144	128

**Depot:** COVOKA  
**Unique No:** 10551209  
**Signed:** Don Baldrige  
**Report Date:** 13 Jul 2023



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## VOLVO GRAPHS

