



# CONSTRUCTION EQUIPMENT

## A12509 VOLVO L90G 617604 - FRONT AXLE



**Sample No:** VCP437388  
**Oil Type:** MOBIL WB 102  
**Job No:** A12509



### SAMPLE INFORMATION

Sample Number	<b>VCP437388</b>	VCP399905	VCP365693	VCP335550
Sample Date	<b>26 Apr 2024</b>	02 Jun 2023	15 Nov 2022	13 Nov 2021
Machine Hours	<b>12265</b>	10922	10050	8575
Oil Hours	<b>2000</b>	0	2000	2000
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - BRIDGEPORT  
 396 E SCHUYLKILL RIVER RD  
 BRIDGEPORT, PA  
 US 19405  
 Contact: DOUG



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.3</b>	42.9	42.3	40.3
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	11	15	10
Sodium	ppm	<b>0</b>	1	<1	1
Potassium	ppm	<b>2</b>	0	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>21</b>	13	26	30
Copper	ppm	<b>5</b>	1	<1	2
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	2	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>3</b>	2	<1	2
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2476</b>	2223	3057	2492
Magnesium	ppm	<b>40</b>	37	16	18
Zinc	ppm	<b>1192</b>	1085	1302	1095
Phosphorus	ppm	<b>1090</b>	843	980	944
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>82</b>	82	99	79

**Depot:** IAABRI  
**Unique No:** 11033078  
**Signed:** Wes Davis  
**Report Date:** 17 May 2024



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## GRAPHS

