



# CONSTRUCTION EQUIPMENT

## 19113 VOLVO L90H 625028 - REAR AXLE



**Sample No:** VCP418495  
**Oil Type:** VOLVO WB 102  
**Job No:** 19113



### SAMPLE INFORMATION

Sample Number	<b>VCP418495</b>	VCP410367	VCP403764	VCP366537
Sample Date	<b>28 Jun 2023</b>	18 May 2023	28 Feb 2023	19 Sep 2022
Machine Hours	<b>7360</b>	5956	6692	6050
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**IAA - INSURANCE AUTO AUCTIONS - CLAYTON**  
 60 SADISCO RD  
 CLAYTON, NC  
 US 27520  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	39.7	46.6	41.7
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>10</b>	12	12	12
Sodium	ppm	<b>8</b>	9	8	8
Potassium	ppm	<b>1</b>	2	0	0

### 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>82</b>	121	75	38
Copper	ppm	<b>15</b>	2	14	16
Lead	ppm	<b>4</b>	1	<1	4
Tin	ppm	<b>&lt;1</b>	<1	<1	2
Aluminum	ppm	<b>2</b>	1	1	2
Chromium	ppm	<b>2</b>	1	1	<1
Molybdenum	ppm	<b>&lt;1</b>	2	<1	2
Nickel	ppm	<b>&lt;1</b>	1	0	1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	2	3	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3752</b>	4041	3828	3498
Magnesium	ppm	<b>17</b>	24	20	9
Zinc	ppm	<b>1619</b>	1668	1475	1400
Phosphorus	ppm	<b>1353</b>	1298	1187	1188
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>123</b>	124	131	113

**Depot:** INSCLA  
**Unique No:** 10587592  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023



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## GRAPHS

