



# CONSTRUCTION EQUIPMENT

## 568171 ATLAS VOLVO L90H 623733 - REAR AXLE



**Sample No:** VCP425451  
**Oil Type:** VOLVO WB 102  
**Job No:** 568171 ATLAS



### SAMPLE INFORMATION

Sample Number	<b>VCP425451</b>	VCP393556	VCP357429	VCP337054
Sample Date	<b>24 Jun 2023</b>	28 Mar 2023	14 Apr 2022	07 Jul 2021
Machine Hours	<b>6673</b>	11120	9196	7801
Oil Hours	<b>0</b>	2000	2000	1500
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>39.9</b>	47.8	47.4	47.5
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### CONTAMINATION

Silicon	ppm	<b>19</b>	18	15	12
Sodium	ppm	<b>7</b>	5	7	6
Potassium	ppm	<b>3</b>	2	0	0



### WEAR METALS

Iron	ppm	<b>210</b>	253	175	142
Copper	ppm	<b>128</b>	33	30	25
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>16</b>	5	4	4
Aluminum	ppm	<b>3</b>	3	2	2
Chromium	ppm	<b>7</b>	4	3	2
Molybdenum	ppm	<b>5</b>	4	4	3
Nickel	ppm	<b>2</b>	2	1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>14</b>	5	4	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3993</b>	3561	3377	3136
Magnesium	ppm	<b>15</b>	28	30	23
Zinc	ppm	<b>1697</b>	1434	1247	1270
Phosphorus	ppm	<b>1361</b>	1421	1302	1202
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>155</b>	167	157	157

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0096  
**Unique No:** 10548320  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2023



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## VOLVO GRAPHS

