



# CONSTRUCTION EQUIPMENT

## SPM595106 VOLVO L90H 624199 - REAR AXLE



**Sample No:** VCP354484  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM595106



### SAMPLE INFORMATION

Sample Number	<b>VCP354484</b>	VCP373742	VCP358915	VCP338629
Sample Date	<b>22 Aug 2023</b>	25 Jul 2022	23 Mar 2022	06 Dec 2021
Machine Hours	<b>9032</b>	7115	6496	5987
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

### UNITED SCRAP

1545 S CICERO AVE  
 CICERO, IL  
 US 60804

Contact: RON LUCHTENBURG  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	42.1	42.3	40.9
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### CONTAMINATION

Silicon	ppm	<b>13</b>	11	12	13
Sodium	ppm	<b>10</b>	8	9	10
Potassium	ppm	<b>&lt;1</b>	2	0	<1



### WEAR METALS

Iron	ppm	<b>30</b>	12	11	44
Copper	ppm	<b>&lt;1</b>	0	<1	9
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>1</b>	0	<1	1
Aluminum	ppm	<b>1</b>	2	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	2	<1
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4140</b>	4149	4182	4307
Magnesium	ppm	<b>21</b>	14	17	20
Zinc	ppm	<b>1646</b>	1599	1548	1630
Phosphorus	ppm	<b>1303</b>	1258	1317	1401
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>165</b>	155	130	119

### 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.

**Depot:** UNICICIL  
**Unique No:** 10631621  
**Signed:** Don Baldrige  
**Report Date:** 06 Sep 2023



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## VOLVO GRAPHS

