



# CONSTRUCTION EQUIPMENT

SPM595107 VOLVO L90H 625106 - REAR AXLE



**Sample No:** VCP354482  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM595107



## SAMPLE INFORMATION

Sample Number	<b>VCP354482</b>	VCP391108	VCP374562	---
Sample Date	<b>22 Aug 2023</b>	27 Sep 2022	09 Jun 2022	---
Machine Hours	<b>4106</b>	2921	2330	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### UNITED SCRAP

1545 S CICERO AVE  
 CICERO, IL  
 US 60804  
 Contact: RON LUCHTENBURG  
 rluchten@unitedscrap.com



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	43.1	37.9	---
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## CONTAMINATION

Silicon	ppm	<b>14</b>	12	14	---
Sodium	ppm	<b>4</b>	<1	9	---
Potassium	ppm	<b>&lt;1</b>	2	0	---



## WEAR METALS

Iron	ppm	<b>33</b>	11	85	---
Copper	ppm	<b>2</b>	<1	17	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>1</b>	<1	2	---
Aluminum	ppm	<b>1</b>	2	1	---
Chromium	ppm	<b>1</b>	<1	4	---
Molybdenum	ppm	<b>&lt;1</b>	<1	3	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	1	8	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



## ADDITIVES

Calcium	ppm	<b>4008</b>	4034	3849	---
Magnesium	ppm	<b>19</b>	14	11	---
Zinc	ppm	<b>1628</b>	1682	1547	---
Phosphorus	ppm	<b>1277</b>	1317	1268	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>160</b>	136	138	---

## 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.

**Depot:** UNICICIL  
**Unique No:** 10631622  
**Signed:** Wes Davis  
**Report Date:** 05 Sep 2023



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## GRAPHS

