



# CONSTRUCTION EQUIPMENT

SPM729125 VOLVO L90H 625106 - FRONT AXLE



**Sample No:** VCP444418  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM729125



## SAMPLE INFORMATION

Sample Number	<b>VCP444418</b>	VCP415331	VCP354497	VCP391107
Sample Date	<b>10 Jun 2024</b>	12 Oct 2023	22 Aug 2023	27 Sep 2022
Machine Hours	<b>6517</b>	5121	4106	2921
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### UNITED SCRAP

1545 S CICERO AVE  
 CICERO, IL  
 US 60804

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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	45.4	44.8	42.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>21</b>	16	▲ 50	12
Sodium	ppm	<b>1</b>	0	3	<1
Potassium	ppm	<b>1</b>	0	0	2

## 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>13</b>	2	23	10
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>0</b>	0	1	<1
Aluminum	ppm	<b>1</b>	<1	2	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>1</b>	0	2	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	1
Vanadium	ppm	<b>&lt;1</b>	0	<1	<1



## ADDITIVES

Calcium	ppm	<b>3766</b>	3042	4078	4087
Magnesium	ppm	<b>14</b>	16	27	14
Zinc	ppm	<b>1621</b>	1429	1622	1704
Phosphorus	ppm	<b>1327</b>	1202	1273	1327
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>26</b>	0	162	136

**Depot:** UNICICIL

**Unique No:** 11089997

**Signed:** Wes Davis

**Report Date:** 24 Jun 2024



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## VOLVO GRAPHS

