



# CONSTRUCTION EQUIPMENT

## SPM702582 WASTE MGMT VOLVO L90H 624824 - REAR AXLE



**Sample No:** VCP447718  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM702582 WASTE MGMT



### SAMPLE INFORMATION

Sample Number	<b>VCP447718</b>	VCP430176	VCP398379	VCP426421
Sample Date	<b>26 Apr 2024</b>	29 Nov 2023	18 Oct 2023	03 Oct 2023
Machine Hours	<b>10994</b>	10587	10540	10193
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	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.7</b>	41.5	41.9	41.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	50	▲ 90	17
Sodium	ppm	<b>0</b>	1	<1	2
Potassium	ppm	<b>2</b>	8	0	<1

### 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.



### WEAR METALS

Iron	ppm	<b>13</b>	30	57	19
Copper	ppm	<b>&lt;1</b>	1	<1	1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	2	0	0
Manganese	ppm	<b>&lt;1</b>	<1	0	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3264</b>	2031	3237	3301
Magnesium	ppm	<b>9</b>	11	12	13
Zinc	ppm	<b>1490</b>	1040	1459	1525
Phosphorus	ppm	<b>1300</b>	865	1209	1240
Barium	ppm	<b>&lt;1</b>	0	0	2
Boron	ppm	<b>17</b>	12	20	26

**Depot:** VOLVO8885  
**Unique No:** 11085052  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024



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## GRAPHS

