



# CONSTRUCTION EQUIPMENT

## SPM606158 LKQ VOLVO L90H 625664 - FRONT AXLE



**Sample No:** VCP432679  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM606158 LKQ



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### SAMPLE INFORMATION

Sample Number	<b>VCP432679</b>	VCP369970	VCP356872	---
Sample Date	<b>06 Sep 2023</b>	24 Oct 2022	31 Mar 2022	---
Machine Hours	<b>4016</b>	2347	1497	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	42.0	39.8	---
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### CONTAMINATION

Silicon	ppm	<b>8</b>	11	9	---
Sodium	ppm	<b>4</b>	3	10	---
Potassium	ppm	<b>0</b>	2	0	---



### WEAR METALS

Iron	ppm	<b>59</b>	35	58	---
Copper	ppm	<b>2</b>	1	<1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	0	<1	---
Aluminum	ppm	<b>1</b>	2	1	---
Chromium	ppm	<b>&lt;1</b>	1	3	---
Molybdenum	ppm	<b>&lt;1</b>	3	13	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>3</b>	4	9	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>2865</b>	4107	3958	---
Magnesium	ppm	<b>19</b>	12	13	---
Zinc	ppm	<b>1466</b>	1649	1519	---
Phosphorus	ppm	<b>1327</b>	1326	1264	---
Barium	ppm	<b>0</b>	2	0	---
Boron	ppm	<b>96</b>	138	149	---

### 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:** VOLVO0093  
**Unique No:** 10647700  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023



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## GRAPHS

