



# CONSTRUCTION EQUIPMENT

## SW-29071-2 LKQ VOLVO L90H 624750 - REAR AXLE



**Sample No:** VCP438070  
**Oil Type:** VOLVO WB 102  
**Job No:** SW-29071-2 LKQ



### SAMPLE INFORMATION

Sample Number	<b>VCP438070</b>	VCP337527	VCP321275	---
Sample Date	<b>31 Jan 2024</b>	16 Jan 2023	13 Sep 2021	---
Machine Hours	<b>6590</b>	4691	2082	---
Oil Hours	<b>2000</b>	2600	1000	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 98.5</b>	■ 42.0	■ 42.1	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ <b>12</b>	■ 16	■ 18	---
Sodium	ppm	■ <b>6</b>	■ 9	■ 10	---
Potassium	ppm	■ <b>0</b>	■ <1	■ <1	---

### 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 oil viscosity is higher than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	■ <b>65</b>	■ 32	■ 37	---
Copper	ppm	■ <b>13</b>	■ 5	■ 7	---
Lead	ppm	■ <b>0</b>	■ <1	■ <1	---
Tin	ppm	■ <b>&lt;1</b>	■ 1	■ 1	---
Aluminum	ppm	■ <b>&lt;1</b>	■ 2	■ 4	---
Chromium	ppm	■ <b>&lt;1</b>	■ 1	■ 1	---
Molybdenum	ppm	■ <b>0</b>	■ <1	■ <1	---
Nickel	ppm	■ <b>0</b>	■ 0	■ 0	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	2	---
Manganese	ppm	■ <b>2</b>	■ 2	■ 2	---
Vanadium	ppm	<b>0</b>	0	<1	---



### ADDITIVES

Calcium	ppm	■ <b>2875</b>	■ 3958	■ 4135	---
Magnesium	ppm	■ <b>16</b>	■ 16	■ 15	---
Zinc	ppm	■ <b>1201</b>	■ 1545	■ 1645	---
Phosphorus	ppm	■ <b>1144</b>	■ 1199	■ 1332	---
Barium	ppm	■ <b>0</b>	■ 2	■ 0	---
Boron	ppm	<b>20</b>	■ 131	■ 148	---

**Depot:** VOLVO8770  
**Unique No:** 10870308  
**Signed:** Sean Felton  
**Report Date:** 09 Feb 2024



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## GRAPHS

