



# CONSTRUCTION EQUIPMENT

## 19804 LKQ VOLVO L90H 624047 - FRONT AXLE



**Sample No:** VCP414071  
**Oil Type:** VOLVO WB 102  
**Job No:** 19804 LKQ



### SAMPLE INFORMATION

Sample Number	<b>VCP414071</b>	VCP0005123	VCP371665	VCP348173
Sample Date	<b>26 Sep 2023</b>	12 Dec 2022	13 Jul 2022	08 Mar 2022
Machine Hours	<b>11145</b>	10016	9403	8692
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.0</b>	41.7	42.0	41.7
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### CONTAMINATION

Silicon	ppm	<b>12</b>	11	13	14
Sodium	ppm	<b>&lt;1</b>	8	9	10
Potassium	ppm	<b>4</b>	0	2	0

### 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>40</b>	18	16	11
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	<1	<1	1
Tin	ppm	<b>0</b>	<1	<1	1
Aluminum	ppm	<b>2</b>	1	3	5
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3957</b>	3738	4102	4135
Magnesium	ppm	<b>63</b>	17	16	19
Zinc	ppm	<b>1774</b>	1477	1610	1589
Phosphorus	ppm	<b>1462</b>	1200	1289	1361
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>63</b>	127	150	136

**Depot:** VOLVO8769  
**Unique No:** 10702453  
**Signed:** Wes Davis  
**Report Date:** 23 Oct 2023



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## VOLVO GRAPHS

