



# CONSTRUCTION EQUIPMENT

## 600223 VOLVO L120H 632093 - REAR AXLE



**Sample No:** VCP379874  
**Oil Type:** VOLVO WB 101  
**Job No:** 600223



### SAMPLE INFORMATION

Sample Number	<b>VCP379874</b>	VCP424167	VCP424197	VCP371203
Sample Date	<b>19 Apr 2024</b>	21 Sep 2023	07 Sep 2023	01 Aug 2023
Machine Hours	<b>20875</b>	19017	18922	18768
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	42.5	42.8	39.8
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	▲ 0.217	NEG
Silicon	ppm	<b>14</b>	14	9	11
Sodium	ppm	<b>4</b>	4	2	6
Potassium	ppm	<b>0</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>52</b>	25	12	84
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>1</b>	<1	2	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>11</b>	6	2	19
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>4302</b>	4249	3861	4087
Magnesium	ppm	<b>22</b>	22	12	11
Zinc	ppm	<b>1601</b>	1755	1554	1631
Phosphorus	ppm	<b>1292</b>	1370	1269	1336
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>132</b>	171	144	142

**Depot:** VOLVO1271  
**Unique No:** 11005559  
**Signed:** Wes Davis  
**Report Date:** 01 May 2024



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## GRAPHS

