



# CONSTRUCTION EQUIPMENT

## 600223 VOLVO L120H 632093 - FRONT AXLE



**Sample No:** VCP379572  
**Oil Type:** VOLVO WB 101  
**Job No:** 600223



### SAMPLE INFORMATION

Sample Number	<b>VCP379572</b>	VCP434588	VCP424193	VCP403243
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	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	42.5	42.6	40.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	16	9	17
Sodium	ppm	<b>3</b>	4	2	8
Potassium	ppm	<b>0</b>	<1	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>60</b>	109	46	428
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	1	2	2
Chromium	ppm	<b>0</b>	1	<1	4
Molybdenum	ppm	<b>&lt;1</b>	1	<1	4
Nickel	ppm	<b>0</b>	<1	<1	2
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	2	2	8
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3603</b>	4170	3860	4149
Magnesium	ppm	<b>10</b>	18	10	12
Zinc	ppm	<b>1501</b>	1721	1551	1642
Phosphorus	ppm	<b>1312</b>	1353	1281	1336
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>100</b>	169	139	142

**Depot:** VOLVO1271  
**Unique No:** 11005560  
**Signed:** Wes Davis  
**Report Date:** 01 May 2024



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## GRAPHS

