



# CONSTRUCTION EQUIPMENT

225249 CRC VOLVO L120H 632093 - FRONT AXLE



**Sample No:** VCP434588  
**Oil Type:** VOLVO WB 102  
**Job No:** 225249 CRC



## SAMPLE INFORMATION

Sample Number	<b>VCP434588</b>	VCP424193	VCP403243	VCP05960852
Sample Date	<b>21 Sep 2023</b>	07 Sep 2023	01 Aug 2023	31 Mar 2023
Machine Hours	<b>19017</b>	18922	18768	0
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### PACWEST MACHINERY

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 US 98032

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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	42.6	40.0	39.9
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## CONTAMINATION

Silicon	ppm	<b>16</b>	9	17	16
Sodium	ppm	<b>4</b>	2	8	8
Potassium	ppm	<b>&lt;1</b>	0	2	2



## WEAR METALS

Iron	ppm	<b>109</b>	46	428	334
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	2	2	3
Chromium	ppm	<b>1</b>	<1	4	4
Molybdenum	ppm	<b>1</b>	<1	4	<1
Nickel	ppm	<b>&lt;1</b>	<1	2	2
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	8	8
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4170</b>	3860	4149	3998
Magnesium	ppm	<b>18</b>	10	12	14
Zinc	ppm	<b>1721</b>	1551	1642	1620
Phosphorus	ppm	<b>1353</b>	1281	1336	1293
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>169</b>	139	142	137

## 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:** VOLVO1271  
**Unique No:** 10674582  
**Signed:** Wes Davis  
**Report Date:** 04 Oct 2023



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## VOLVO GRAPHS

