



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 632540 - FRONT AXLE



**Sample No:** VCP433761  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433761</b>	VCP418563	VCP312048	---
Sample Date	<b>09 Nov 2023</b>	31 Jul 2023	21 Jun 2021	---
Machine Hours	<b>13618</b>	12544	5391	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>68.8</b>	▲ 288	■ 45.4	---
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### CONTAMINATION

Silicon	ppm	■ <b>23</b>	■ 25	■ 21	---
Sodium	ppm	■ <b>5</b>	■ <1	■ 10	---
Potassium	ppm	■ <b>0</b>	■ 0	■ 1	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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>620</b>	▲ 950	■ 376	---
Copper	ppm	■ <b>2</b>	■ 6	■ 1	---
Lead	ppm	■ <b>0</b>	■ 0	■ <1	---
Tin	ppm	■ <b>0</b>	■ 0	■ <1	---
Aluminum	ppm	■ <b>&lt;1</b>	■ 2	■ 0	---
Chromium	ppm	■ <b>5</b>	■ 6	■ 2	---
Molybdenum	ppm	■ <b>9</b>	■ 13	■ 4	---
Nickel	ppm	■ <b>2</b>	■ 3	■ 1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	■ <b>15</b>	■ 16	■ 5	---
Vanadium	ppm	<b>0</b>	<1	<1	---



### ADDITIVES

Calcium	ppm	■ <b>2539</b>	■ 220	■ 4093	---
Magnesium	ppm	■ <b>16</b>	■ 22	■ 12	---
Zinc	ppm	■ <b>1034</b>	■ 124	■ 1562	---
Phosphorus	ppm	■ <b>1125</b>	■ 1023	■ 1336	---
Barium	ppm	■ <b>0</b>	■ 0	■ 0	---
Boron	ppm	■ <b>119</b>	■ 136	■ 210	---

**Depot:** VOLVO0090  
**Unique No:** 10740991  
**Signed:** Don Baldrige  
**Report Date:** 16 Nov 2023



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## GRAPHS

