



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 632990 - FRONT AXLE



**Sample No:** VCP447894  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447894</b>	VCP375996	---	---
Sample Date	<b>10 Jul 2024</b>	15 Jul 2022	---	---
Machine Hours	<b>5174</b>	1246	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.3</b>	49.4	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>43</b>	17	---	---
Sodium	ppm	<b>0</b>	5	---	---
Potassium	ppm	<b>3</b>	<1	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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>949</b>	229	---	---
Copper	ppm	<b>2</b>	<1	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>3</b>	2	---	---
Chromium	ppm	<b>12</b>	4	---	---
Molybdenum	ppm	<b>13</b>	6	---	---
Nickel	ppm	<b>3</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>20</b>	8	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3753</b>	3839	---	---
Magnesium	ppm	<b>17</b>	21	---	---
Zinc	ppm	<b>1523</b>	1585	---	---
Phosphorus	ppm	<b>1025</b>	1213	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>136</b>	118	---	---

**Depot:** VOLVO3387  
**Unique No:** 11126995  
**Signed:** Sean Felton  
**Report Date:** 18 Jul 2024



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## GRAPHS

