



# CONSTRUCTION EQUIPMENT

## 405622 VOLVO L120H 632718 - FRONT AXLE



**Sample No:** VCP381912  
**Oil Type:** VOLVO WB 102  
**Job No:** 405622



### SAMPLE INFORMATION

Sample Number	<b>VCP381912</b>	VCP394660	VCP391970	VCP332777
Sample Date	<b>30 May 2024</b>	27 Sep 2023	24 Apr 2023	31 Aug 2022
Machine Hours	<b>14423</b>	10000	8229	4837
Oil Hours	<b>2000</b>	2000	0	2837
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIP (AB)**  
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 CA T4S 2L4  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.5</b>	47.9	50.3	50.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	17	14	15
Sodium	ppm	<b>2</b>	1	9	9
Potassium	ppm	<b>4</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>36</b>	26	44	56
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	3	0
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3619</b>	3859	3864	3780
Magnesium	ppm	<b>17</b>	16	16	16
Zinc	ppm	<b>1373</b>	1512	1447	1390
Phosphorus	ppm	<b>1143</b>	1240	1234	1110
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>115</b>	113	107	104

**Depot:** VOLVO9652  
**Unique No:** 5788613  
**Signed:** Wes Davis  
**Report Date:** 03 Jun 2024

**VOLVO** GRAPHS

