



# CONSTRUCTION EQUIPMENT

## 626 VOLVO L120H 632891 - TRANSMISSION (AUTO)



**Sample No:** VCP414441  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 626



### SAMPLE INFORMATION

Sample Number	<b>VCP414441</b>	VCP414440	---	---
Sample Date	<b>14 Dec 2023</b>	14 Aug 2023	---	---
Machine Hours	<b>6833</b>	6443	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

### VCES- VOLVO CONSTRUCTION EQUIPMENT

12345 MAPLEVIEW STREET  
 LAKESIDE, CA  
 US 92040  
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 T: X:  
 F: X:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.2</b>	28.5	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>▲ 31</b>	8	---	---
Sodium	ppm	<b>7</b>	0	---	---
Potassium	ppm	<b>4</b>	2	---	---



### WEAR METALS

Iron	ppm	<b>88</b>	37	---	---
Copper	ppm	<b>3</b>	3	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>▲ 20</b>	10	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>100</b>	87	---	---
Magnesium	ppm	<b>3</b>	2	---	---
Zinc	ppm	<b>13</b>	13	---	---
Phosphorus	ppm	<b>141</b>	186	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>69</b>	92	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO4488  
**Unique No:** 10807083  
**Signed:** Jonathan Hester  
**Report Date:** 29 Dec 2023



# CONSTRUCTION EQUIPMENT

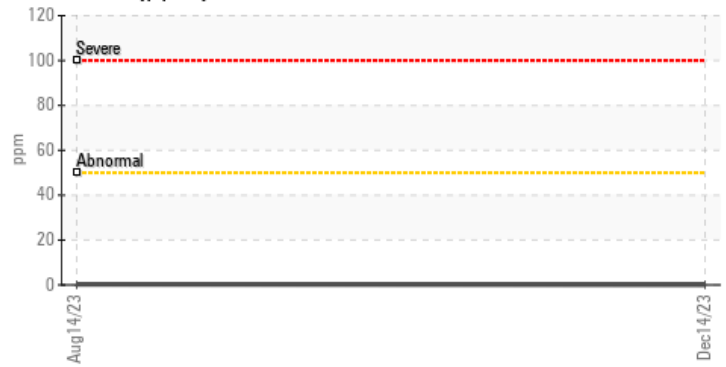


## GRAPHS

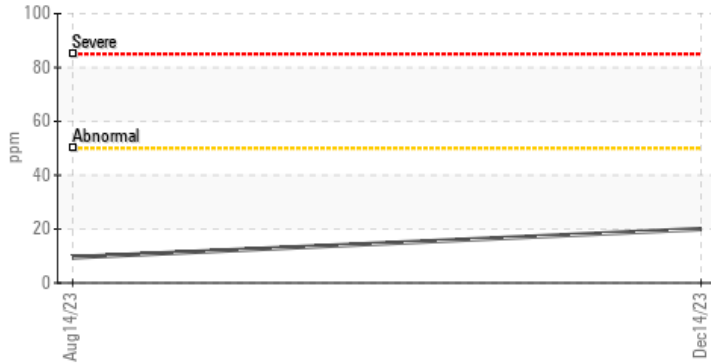
### Iron (ppm)



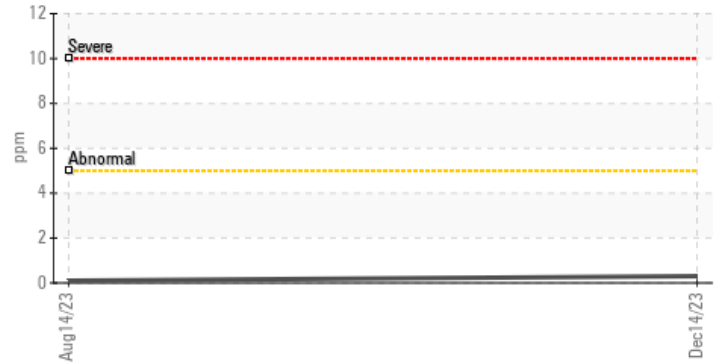
### Lead (ppm)



### Aluminum (ppm)



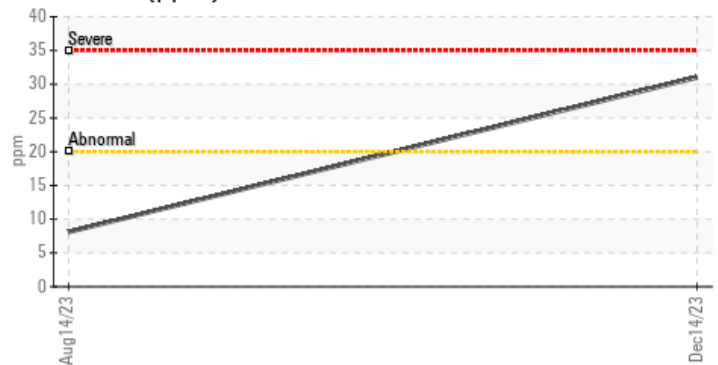
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

