



# CONSTRUCTION EQUIPMENT

## 566012 VOLVO L110H 632273 - TRANSMISSION (AUTO)



**Sample No:** VCP411625  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 566012



### SAMPLE INFORMATION

Sample Number	<b>VCP411625</b>	VCP423513	VCP386652	VCP377505
Sample Date	<b>20 Jun 2023</b>	23 Mar 2023	29 Nov 2022	02 Sep 2022
Machine Hours	<b>2490</b>	1526	1001	532
Oil Hours	<b>2490</b>	1526	500	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	29.4	28.8	28.6
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>8</b>	10	9	9
Sodium	ppm	<b>3</b>	4	4	3
Potassium	ppm	<b>&lt;1</b>	<1	2	<1



### WEAR METALS

Iron	ppm	<b>44</b>	46	42	34
Copper	ppm	<b>4</b>	6	6	4
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>4</b>	12	8	5
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	5	4	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>81</b>	85	88	92
Magnesium	ppm	<b>&lt;1</b>	3	3	2
Zinc	ppm	<b>4</b>	16	0	17
Phosphorus	ppm	<b>199</b>	203	214	184
Barium	ppm	<b>0</b>	2	0	2
Boron	ppm	<b>72</b>	84	80	69

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** RIPTAM  
**Unique No:** 10551224  
**Signed:** Wes Davis  
**Report Date:** 12 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

