



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 631239 - TRANSMISSION (AUTO)



**Sample No:** VCP415944  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP415944</b>	VCP379686	VCP390703	VCP336963
Sample Date	<b>27 Jun 2023</b>	09 Feb 2023	25 Oct 2022	18 Nov 2021
Machine Hours	<b>9267</b>	8759	8302	7089
Oil Hours	<b>0</b>	1500	4000	1500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.3</b>	23.2	30.3	26.4
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### CONTAMINATION

Silicon	ppm	<b>2</b>	4	4	10
Sodium	ppm	<b>2</b>	3	3	3
Potassium	ppm	<b>0</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>12</b>	11	36	▲ 158
Copper	ppm	<b>0</b>	2	4	10
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>4</b>	4	13	2
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	2	12
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>64</b>	79	70	79
Magnesium	ppm	<b>0</b>	0	2	5
Zinc	ppm	<b>0</b>	8	2	74
Phosphorus	ppm	<b>187</b>	182	162	163
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>93</b>	89	67	50

### 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:** 10552384  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023



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## VOLVO GRAPHS

