



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 631322 - TRANSMISSION (AUTO)



**Sample No:** VCP447423  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447423</b>	VCP444026	VCP432127	VCP398074
Sample Date	<b>02 Jul 2024</b>	16 Mar 2024	30 Nov 2023	01 Aug 2023
Machine Hours	<b>11700</b>	11137	10589	9947
Oil Hours	<b>0</b>	3000	0	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	MARGINAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>31.9</b>	33.2	29.7	27.9
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### CONTAMINATION

Water	%	NEG	NEG	▲ 0.150	NEG
Silicon	ppm	<b>4</b>	3	<1	3
Sodium	ppm	<b>0</b>	1	0	0
Potassium	ppm	<b>2</b>	0	0	1

### 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.



### WEAR METALS

Iron	ppm	<b>9</b>	8	0	10
Copper	ppm	<b>2</b>	2	0	2
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	4	1	5
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>2</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>105</b>	96	68	71
Magnesium	ppm	<b>16</b>	3	0	1
Zinc	ppm	<b>34</b>	17	4	5
Phosphorus	ppm	<b>177</b>	226	202	180
Barium	ppm	<b>0</b>	0	<1	1
Boron	ppm	<b>99</b>	96	94	98

**Depot:** RIPTAM  
**Unique No:** 1114158  
**Signed:** Wes Davis  
**Report Date:** 09 Jul 2024



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## VOLVO GRAPHS

