



# CONSTRUCTION EQUIPMENT

## VOLVO L110H 631322 - TRANSMISSION (AUTO)



**Sample No:** VCP432127

**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP432127</b>	VCP398074	VCP338032	VCP330384
Sample Date	<b>30 Nov 2023</b>	01 Aug 2023	22 Feb 2023	30 Sep 2022
Machine Hours	<b>10589</b>	9947	9341	8782
Oil Hours	<b>0</b>	2000	1500	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>MARGINAL</b>	NORMAL	ABNORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>29.7</b>	27.9	27.5	27.7
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### CONTAMINATION

Water	%	<b>0.150</b>	NEG	NEG	NEG
Silicon	ppm	<b>&lt;1</b>	3	3	3
Sodium	ppm	<b>0</b>	0	2	0
Potassium	ppm	<b>0</b>	1	0	1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>0</b>	10	7	10
Copper	ppm	<b>0</b>	2	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	5	2	3
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>68</b>	71	69	112
Magnesium	ppm	<b>0</b>	1	0	1
Zinc	ppm	<b>4</b>	5	3	12
Phosphorus	ppm	<b>202</b>	180	179	190
Barium	ppm	<b>&lt;1</b>	1	0	1
Boron	ppm	<b>94</b>	98	87	81

**Depot:** RIPTAM  
**Unique No:** 10871446  
**Signed:** Don Baldrige  
**Report Date:** 11 Feb 2024



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## VOLVO GRAPHS

