



# CONSTRUCTION EQUIPMENT

## 580404 VOLVO L110H 631298 - TRANSMISSION (AUTO)



**Sample No:** VCP396860  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 580404



### SAMPLE INFORMATION

Sample Number	<b>VCP396860</b>	VCP420267	VCP398837	VCP358194
Sample Date	<b>18 Jul 2023</b>	10 Apr 2023	16 Dec 2022	12 Sep 2022
Machine Hours	<b>8405</b>	7851	7287	6803
Oil Hours	<b>4000</b>	3500	1287	500
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### RIPA AND ASSOCIATES

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>26.2</b>	30.1	26.4	26.5
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### CONTAMINATION

Silicon	ppm	<b>4</b>	4	1	3
Sodium	ppm	<b>&lt;1</b>	0	0	1
Potassium	ppm	<b>&lt;1</b>	1	<1	0



### WEAR METALS

Iron	ppm	<b>48</b>	43	37	30
Copper	ppm	<b>4</b>	3	2	2
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>7</b>	4	3	6
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>77</b>	87	80	75
Magnesium	ppm	<b>2</b>	2	2	1
Zinc	ppm	<b>10</b>	11	10	7
Phosphorus	ppm	<b>160</b>	160	164	152
Barium	ppm	<b>2</b>	0	1	0
Boron	ppm	<b>74</b>	70	72	68

T:  
F:

### 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:** 10602525  
**Signed:** Wes Davis  
**Report Date:** 13 Aug 2023



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## VOLVO GRAPHS

