



# CONSTRUCTION EQUIPMENT

## VOLVO A30F 82303 - TRANSMISSION (AUTO)



**Sample No:** VCP422764  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP422764</b>	VCP390274	VCP322026	VCP275971
Sample Date	<b>11 Aug 2023</b>	28 Dec 2022	13 May 2021	25 Apr 2020
Machine Hours	<b>12173</b>	11500	10638	10182
Oil Hours	<b>0</b>	1000	638	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
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>26.8</b>	25.4	27.0	50.5
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### CONTAMINATION

Silicon	ppm	<b>3</b>	5	2	6
Sodium	ppm	<b>4</b>	4	3	5
Potassium	ppm	<b>&lt;1</b>	2	<1	0



### WEAR METALS

Iron	ppm	<b>18</b>	15	13	37
Copper	ppm	<b>6</b>	7	6	17
Lead	ppm	<b>3</b>	5	3	6
Tin	ppm	<b>&lt;1</b>	1	1	0
Aluminum	ppm	<b>9</b>	8	3	19
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>&lt;1</b>	1	<1	3
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>80</b>	89	79	128
Magnesium	ppm	<b>1</b>	1	0	4
Zinc	ppm	<b>2</b>	2	0	35
Phosphorus	ppm	<b>160</b>	178	156	232
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>80</b>	73	106	93

### 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:** 10615353  
**Signed:** Wes Davis  
**Report Date:** 22 Aug 2023



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## VOLVO GRAPHS

