



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752151 - TRANSMISSION (AUTO)



**Sample No:** VCP435579  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP435579</b>	VCP414763	VCP411067	VCP397385
Sample Date	<b>06 Dec 2023</b>	14 Aug 2023	08 May 2023	16 Jan 2023
Machine Hours	<b>5738</b>	5197	0	4145
Oil Hours	<b>0</b>	1000	0	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	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>28.1</b>	28.1	28.8	29.7
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### CONTAMINATION

Water	%	<b>0.000</b>	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	5	4	9
Sodium	ppm	<b>4</b>	4	3	7
Potassium	ppm	<b>&lt;1</b>	2	2	<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>18</b>	17	20	46
Copper	ppm	<b>13</b>	12	11	32
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>4</b>	3	3	8
Aluminum	ppm	<b>16</b>	15	11	31
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>1</b>	2	1	5
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>67</b>	84	82	115
Magnesium	ppm	<b>0</b>	1	3	<1
Zinc	ppm	<b>2</b>	8	0	3
Phosphorus	ppm	<b>199</b>	207	207	215
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>88</b>	85	109	92

**Depot:** RIPTAM  
**Unique No:** 10871449  
**Signed:** Don Baldrige  
**Report Date:** 11 Feb 2024



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## GRAPHS

