



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752143 - TRANSMISSION (AUTO)



**Sample No:** VCP454170  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454170</b>	VCP407847	VCP398077	VCP386248
Sample Date	<b>12 Jan 2024</b>	16 Jun 2023	04 Mar 2023	09 Nov 2022
Machine Hours	<b>3549</b>	4995	4274	3742
Oil Hours	<b>0</b>	0	0	1500
Oil Changed	<b>N/A</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	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>28.3</b>	28.7	26.7	28.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	2	6	4
Sodium	ppm	<b>0</b>	2	4	4
Potassium	ppm	<b>2</b>	0	4	2

### 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>23</b>	14	33	22
Copper	ppm	<b>19</b>	9	27	26
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>3</b>	1	7	6
Aluminum	ppm	<b>11</b>	10	19	18
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>2</b>	1	5	4
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	0	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>70</b>	66	92	89
Magnesium	ppm	<b>1</b>	0	6	3
Zinc	ppm	<b>0</b>	0	0	5
Phosphorus	ppm	<b>184</b>	196	216	205
Barium	ppm	<b>5</b>	0	0	0
Boron	ppm	<b>93</b>	94	77	84

**Depot:** RIPTAM  
**Unique No:** 10863810  
**Signed:** Jonathan Hester  
**Report Date:** 08 Feb 2024



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## GRAPHS

