



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742110 - TRANSMISSION (AUTO)



**Sample No:** VCP432171  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP432171</b>	VCP407835	VCP386654	VCP386070
Sample Date	<b>25 Jan 2024</b>	06 Jun 2023	29 Nov 2022	10 Sep 2022
Machine Hours	<b>11532</b>	10602	9561	9156
Oil Hours	<b>0</b>	0	1000	700
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	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>28.9</b>	28.5	28.1	28.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	3	9	6
Sodium	ppm	<b>5</b>	3	4	5
Potassium	ppm	<b>2</b>	0	2	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>9</b>	24	40	39
Copper	ppm	<b>6</b>	10	6	25
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>1</b>	1	<1	6
Aluminum	ppm	<b>5</b>	13	7	24
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>1</b>	1	<1	4
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	4	1
Vanadium	ppm	<b>0</b>	0	0	1



### ADDITIVES

Calcium	ppm	<b>71</b>	67	81	87
Magnesium	ppm	<b>5</b>	0	3	0
Zinc	ppm	<b>7</b>	0	0	0
Phosphorus	ppm	<b>166</b>	191	204	181
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>90</b>	89	78	70

**Depot:** RIPTAM  
**Unique No:** 10848693  
**Signed:** Jonathan Hester  
**Report Date:** 30 Jan 2024



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## VOLVO GRAPHS

