



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352842 - TRANSMISSION (AUTO)



**Sample No:** VCP436001  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436001</b>	VCP432455	VCP414667	VCP392931
Sample Date	<b>01 Mar 2024</b>	27 Nov 2023	11 Sep 2023	11 May 2023
Machine Hours	<b>4512</b>	4010	3555	3070
Oil Hours	<b>0</b>	2000	0	1000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	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>30.4</b>	29.2	29.3	29.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	7	8	6
Sodium	ppm	<b>&lt;1</b>	5	5	4
Potassium	ppm	<b>0</b>	1	2	3

### 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>&lt;1</b>	47	52	36
Copper	ppm	<b>0</b>	17	15	13
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	4	3	3
Aluminum	ppm	<b>0</b>	19	16	18
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	2	2	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>46</b>	68	69	70
Magnesium	ppm	<b>&lt;1</b>	0	2	0
Zinc	ppm	<b>1</b>	0	0	0
Phosphorus	ppm	<b>175</b>	201	186	205
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>99</b>	80	90	87

**Depot:** RIPTAM  
**Unique No:** 10996250  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## VOLVO GRAPHS

