



# CONSTRUCTION EQUIPMENT

## 687753 VOLVO A40G 3525 13 - TRANSMISSION (AUTO)



**Sample No:** VCP437894  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 687753



### SAMPLE INFORMATION

Sample Number	<b>VCP437894</b>	VCP393513	VCP406506	VCP390668
Sample Date	<b>14 Mar 2024</b>	31 Jul 2023	22 Apr 2023	26 Sep 2022
Machine Hours	<b>6161</b>	5166	4603	3603
Oil Hours	<b>2000</b>	0	600	500
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
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>28.1</b>	27.6	27.9	27.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	7	6	6
Sodium	ppm	<b>3</b>	4	4	3
Potassium	ppm	<b>0</b>	3	3	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>21</b>	33	29	25
Copper	ppm	<b>15</b>	29	24	28
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>2</b>	5	4	4
Aluminum	ppm	<b>10</b>	17	14	15
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>2</b>	5	4	4
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>84</b>	74	71	75
Magnesium	ppm	<b>&lt;1</b>	1	5	0
Zinc	ppm	<b>9</b>	6	4	3
Phosphorus	ppm	<b>218</b>	184	188	173
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>88</b>	85	73	79

**Depot:** RIPTAM  
**Unique No:** 10976346  
**Signed:** Don Baldrige  
**Report Date:** 15 Apr 2024



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## VOLVO GRAPHS

