



# CONSTRUCTION EQUIPMENT

## 595224 VOLVO A40G 352787 - TRANSMISSION (AUTO)



**Sample No:** VCP417606  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 595224



### SAMPLE INFORMATION

Sample Number	<b>VCP417606</b>	VCP424478	VCP386099	VCP375708
Sample Date	<b>25 Aug 2023</b>	17 May 2023	13 Sep 2022	30 Jun 2022
Machine Hours	<b>4246</b>	6249	2439	1962
Oil Hours	<b>2000</b>	0	500	1962
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	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>28.5</b>	28.7	28.2	28.1
-------------	-----	-------------	------	------	------



### CONTAMINATION

Silicon	ppm	<b>5</b>	4	6	15
Sodium	ppm	<b>1</b>	2	3	2
Potassium	ppm	<b>1</b>	2	<1	4



### WEAR METALS

Iron	ppm	<b>20</b>	13	15	35
Copper	ppm	<b>11</b>	6	10	30
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>2</b>	<1	2	4
Aluminum	ppm	<b>11</b>	5	8	18
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>2</b>	<1	2	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>73</b>	72	75	77
Magnesium	ppm	<b>1</b>	3	2	2
Zinc	ppm	<b>3</b>	0	4	9
Phosphorus	ppm	<b>193</b>	197	181	189
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>91</b>	104	79	86

### 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.

**Depot:** RIPTAM  
**Unique No:** 10669100  
**Signed:** Wes Davis  
**Report Date:** 28 Sep 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

