



# CONSTRUCTION EQUIPMENT

## 607016 VOLVO A40F 342498 - TRANSMISSION (AUTO)



**Sample No:** VCP417069  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 607016



### SAMPLE INFORMATION

Sample Number	<b>VCP417069</b>	VCP393537	VCP367282	VCP354577
Sample Date	<b>18 Sep 2023</b>	27 Feb 2023	09 Sep 2022	15 Jun 2022
Machine Hours	<b>8432</b>	7463	6976	6561
Oil Hours	<b>2000</b>	1000	500	2000
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.0</b>	28.4	28.4	27.8
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### CONTAMINATION

Silicon	ppm	<b>5</b>	4	4	4
Sodium	ppm	<b>0</b>	3	3	7
Potassium	ppm	<b>2</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>29</b>	20	28	35
Copper	ppm	<b>29</b>	20	14	37
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>4</b>	2	2	4
Aluminum	ppm	<b>10</b>	8	6	14
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>4</b>	2	2	5
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>76</b>	74	72	78
Magnesium	ppm	<b>2</b>	1	1	0
Zinc	ppm	<b>0</b>	0	3	5
Phosphorus	ppm	<b>190</b>	189	179	182
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>96</b>	84	86	83

### 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:** 10709681  
**Signed:** Wes Davis  
**Report Date:** 24 Oct 2023

**VOLVO** **GRAPHS**

