



# CONSTRUCTION EQUIPMENT - TRANSMISSION (AUTO)



**Sample No:** VCP438728  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



## SAMPLE INFORMATION

Sample Number	<b>VCP438728</b>	VCP395826	VCP358461	---
Sample Date	<b>06 Jun 2024</b>	08 Mar 2023	22 Jun 2022	---
Machine Hours	<b>4000</b>	2203	1320	---
Oil Hours	<b>0</b>	1500	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>27.9</b>	107	26.9	---
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## CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>8</b>	17	13	---
Sodium	ppm	<b>4</b>	7	4	---
Potassium	ppm	<b>5</b>	3	4	---



## WEAR METALS

Iron	ppm	<b>33</b>	61	42	---
Copper	ppm	<b>12</b>	26	73	---
Lead	ppm	<b>3</b>	0	<1	---
Tin	ppm	<b>3</b>	3	9	---
Aluminum	ppm	<b>13</b>	22	22	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>2</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	2	8	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	4	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>55</b>	77	87	---
Magnesium	ppm	<b>2</b>	1	2	---
Zinc	ppm	<b>0</b>	10	5	---
Phosphorus	ppm	<b>139</b>	181	176	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>63</b>	67	75	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 11074448  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024

**VOLVO** **GRAPHS**

