



# CONSTRUCTION EQUIPMENT

553239 STATEWIDE MAT VOLVO A40 341163 - TRANSMISSION (AUTO)



**Sample No:** VCP422226  
**Oil Type:** VOLVO AT 102  
**Job No:** 553239 STATEWIDE MAT



## SAMPLE INFORMATION

Sample Number	<b>VCP422226</b>	VCP386651	VCP303980	---
Sample Date	<b>09 May 2023</b>	18 Nov 2022	24 May 2021	---
Machine Hours	<b>8920</b>	8505	7387	---
Oil Hours	<b>0</b>	500	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	28.2	26.5	---
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## CONTAMINATION

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

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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>	16	35	---
Copper	ppm	<b>10</b>	9	20	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>2</b>	1	3	---
Aluminum	ppm	<b>7</b>	7	16	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	---
Nickel	ppm	<b>2</b>	<1	3	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	<1	---



## ADDITIVES

Calcium	ppm	<b>82</b>	84	100	---
Magnesium	ppm	<b>3</b>	3	4	---
Zinc	ppm	<b>2</b>	12	5	---
Phosphorus	ppm	<b>193</b>	189	167	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>88</b>	88	78	---

**Depot:** VOLVO0096  
**Unique No:** 10470055  
**Signed:** Don Baldrige  
**Report Date:** 16 May 2023



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## VOLVO GRAPHS

