



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352836 - TRANSMISSION (AUTO)



**Sample No:** VCP455336  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP455336</b>	VCP434928	VCP401164	---
Sample Date	<b>21 Mar 2024</b>	05 Dec 2023	19 Sep 2023	---
Machine Hours	<b>3863</b>	3190	2651	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	N/A	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	27.9	28.0	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>15</b>	15	2	---
Sodium	ppm	<b>6</b>	7	38	---
Potassium	ppm	<b>6</b>	4	9	---

### 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>74</b>	57	3	---
Copper	ppm	<b>33</b>	28	0	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>6</b>	4	0	---
Aluminum	ppm	<b>32</b>	27	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>1</b>	0	0	---
Nickel	ppm	<b>4</b>	3	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	4	<1	---
Vanadium	ppm	<b>&lt;1</b>	0	1	---



### ADDITIVES

Calcium	ppm	<b>91</b>	71	4	---
Magnesium	ppm	<b>3</b>	<1	<1	---
Zinc	ppm	<b>13</b>	4	0	---
Phosphorus	ppm	<b>222</b>	178	0	---
Barium	ppm	<b>1</b>	0	0	---
Boron	ppm	<b>78</b>	68	0	---

**Depot:** VOLVO0090  
**Unique No:** 10942438  
**Signed:** Jonathan Hester  
**Report Date:** 28 Mar 2024



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## GRAPHS

