



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342096 - TRANSMISSION (AUTO)



**Sample No:** VCP454699  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454699</b>	VCP438718	VCP435404	VCP411754
Sample Date	<b>21 May 2024</b>	02 Apr 2024	13 Nov 2023	22 Aug 2023
Machine Hours	<b>10526</b>	10079	9583	9107
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.6</b>	27.9	28.1	27.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	3	2
Sodium	ppm	<b>3</b>	4	<1	2
Potassium	ppm	<b>2</b>	<1	2	0

### 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>7</b>	10	10	7
Copper	ppm	<b>3</b>	6	4	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>1</b>	1	<1	<1
Aluminum	ppm	<b>4</b>	7	5	8
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>&lt;1</b>	0	<1	0
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>75</b>	85	87	103
Magnesium	ppm	<b>&lt;1</b>	3	4	6
Zinc	ppm	<b>7</b>	4	0	14
Phosphorus	ppm	<b>195</b>	199	181	185
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>92</b>	80	89	93

**Depot:** SAIBIR  
**Unique No:** 11057956  
**Signed:** Don Baldrige  
**Report Date:** 02 Jun 2024



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## GRAPHS

