



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352799 - TRANSMISSION (AUTO)



**Sample No:** VCP447606  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447606</b>	VCP445320	VCP428828	VCP433495
Sample Date	<b>04 Jun 2024</b>	27 Feb 2024	05 Dec 2023	25 Oct 2023
Machine Hours	<b>5435</b>	4930	4648	4451
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.8</b>	29.1	29.3	28.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	7	8	▲ 20
Sodium	ppm	<b>4</b>	4	3	2
Potassium	ppm	<b>5</b>	<1	<1	3

### 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>15</b>	24	9	22
Copper	ppm	<b>16</b>	15	15	25
Lead	ppm	<b>3</b>	3	0	0
Tin	ppm	<b>3</b>	<1	1	2
Aluminum	ppm	<b>7</b>	7	6	● 13
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>2</b>	0	0	<1
Nickel	ppm	<b>1</b>	2	2	4
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>229</b>	339	419	73
Magnesium	ppm	<b>2</b>	<1	2	1
Zinc	ppm	<b>69</b>	100	147	3
Phosphorus	ppm	<b>191</b>	271	292	209
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>71</b>	84	92	98

**Depot:** SAIBIR  
**Unique No:** 11074453  
**Signed:** Don Baldrige  
**Report Date:** 13 Jun 2024



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## VOLVO GRAPHS

