



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352412 - TRANSMISSION (AUTO)



**Sample No:** VCP434452  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP434452</b>	VCP312599	VCP299669	VCP280208
Sample Date	<b>02 Nov 2023</b>	24 Nov 2021	07 Dec 2020	25 Aug 2020
Machine Hours	<b>4381</b>	2279	1001	468
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>27.3</b>	27.1	26.6	26.9
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### CONTAMINATION

Silicon	ppm	<b>5</b>	8	8	15
Sodium	ppm	<b>5</b>	6	5	5
Potassium	ppm	<b>2</b>	0	0	6



### WEAR METALS

Iron	ppm	<b>30</b>	39	37	24
Copper	ppm	<b>40</b>	64	86	66
Lead	ppm	<b>0</b>	<1	0	1
Tin	ppm	<b>6</b>	6	7	5
Aluminum	ppm	<b>15</b>	14	13	7
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	0	0	2
Nickel	ppm	<b>7</b>	12	15	10
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	2	3	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>80</b>	89	85	91
Magnesium	ppm	<b>3</b>	<1	1	<1
Zinc	ppm	<b>0</b>	6	5	6
Phosphorus	ppm	<b>171</b>	177	151	166
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>76</b>	64	58	67

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 10737639  
**Signed:** Sean Felton  
**Report Date:** 14 Nov 2023



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## GRAPHS

