



# CONSTRUCTION EQUIPMENT

## 537144 - TRANSMISSION (AUTO)



**Sample No:** VCP449547  
**Oil Type:** VOLVO AT 102  
**Job No:** 537144



### SAMPLE INFORMATION

Sample Number	<b>VCP449547</b>	VCP432675	VCP417717	VCP421023
Sample Date	<b>18 Apr 2024</b>	07 Sep 2023	14 Jul 2023	01 Jun 2023
Machine Hours	<b>4458</b>	2328	1524	663
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.17</b>	27.4	29.6	28.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	15	15	13
Sodium	ppm	<b>6</b>	6	5	3
Potassium	ppm	<b>3</b>	4	4	1

### 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>34</b>	25	25	12
Copper	ppm	<b>15</b>	15	15	8
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>5</b>	3	3	1
Aluminum	ppm	<b>24</b>	15	16	7
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>1</b>	1	1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	3	3	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>74</b>	82	114	72
Magnesium	ppm	<b>1</b>	<1	0	<1
Zinc	ppm	<b>2</b>	5	18	0
Phosphorus	ppm	<b>200</b>	207	215	180
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>73</b>	79	92	91

**Depot:** VOLVO0096  
**Unique No:** 10994933  
**Signed:** Jonathan Hester  
**Report Date:** 30 Apr 2024



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## VOLVO GRAPHS

