



# CONSTRUCTION EQUIPMENT

## SPM689367 VOLVO L90H 624611 - TRANSMISSION (AUTO)



**Sample No:** VCP437366  
**Oil Type:** VOLVO AT 102  
**Job No:** SPM689367



### SAMPLE INFORMATION

Sample Number	<b>VCP437366</b>	VCP371593	VCP330102	VCP329465
Sample Date	<b>05 Apr 2024</b>	12 Jul 2022	17 Mar 2022	24 Nov 2021
Machine Hours	<b>8707</b>	6096	5503	4890
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

IAA - INSURANCE AUTO AUCTIONS - AURORA  
 280 E SULLIVAN  
 AURORA, IL  
 US 60505  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.1</b>	27.0	21.1	26.5
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T:  
F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	4	3	4
Sodium	ppm	<b>5</b>	2	4	4
Potassium	ppm	<b>2</b>	1	0	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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>20</b>	15	14	23
Copper	ppm	<b>6</b>	3	2	3
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>3</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	1	1	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>165</b>	94	96	106
Magnesium	ppm	<b>46</b>	2	<1	10
Zinc	ppm	<b>82</b>	19	12	29
Phosphorus	ppm	<b>307</b>	165	201	175
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>102</b>	73	85	64

**Depot:** INSAUR  
**Unique No:** 10977920  
**Signed:** Don Baldrige  
**Report Date:** 16 Apr 2024



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## VOLVO GRAPHS

