



# CONSTRUCTION EQUIPMENT

## CITY OF TAMPA VOLVO L120H 632787 - TRANSMISSION (AUTO)



**Sample No:** VCP436032  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** CITY OF TAMPA



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### SAMPLE INFORMATION

Sample Number	<b>VCP436032</b>	VCP341491	VCP386241	VCP378700
Sample Date	<b>10 Oct 2023</b>	22 Mar 2023	01 Dec 2022	20 Jul 2022
Machine Hours	<b>6663</b>	6093	5512	4901
Oil Hours	<b>0</b>	2000	500	900
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.9</b>	29.5	29.4	25.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	8	12	12
Sodium	ppm	<b>2</b>	3	6	4
Potassium	ppm	<b>2</b>	<1	2	2



### WEAR METALS

Iron	ppm	<b>60</b>	61	103	90
Copper	ppm	<b>5</b>	5	8	8
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>10</b>	10	15	14
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	3	5	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>76</b>	81	85	87
Magnesium	ppm	<b>2</b>	2	2	<1
Zinc	ppm	<b>17</b>	32	40	56
Phosphorus	ppm	<b>176</b>	198	192	177
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>67</b>	75	46	45

### 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.

**Depot:** VOLVO0093  
**Unique No:** 10776687  
**Signed:** Jonathan Hester  
**Report Date:** 08 Dec 2023



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## GRAPHS

