



# CONSTRUCTION EQUIPMENT

CITY OF TAMPA VOLVO L180H 5423 - TRANSMISSION (AUTO)



**Sample No:** VCP428660  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** CITY OF TAMPA



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## SAMPLE INFORMATION

Sample Number	<b>VCP428660</b>	VCP436033	VCP417396	VCP378039
Sample Date	<b>20 Feb 2024</b>	10 Oct 2023	15 Aug 2023	11 Aug 2022
Machine Hours	<b>10225</b>	9167	8689	5393
Oil Hours	<b>0</b>	0	4000	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>28.1</b>	28.6	41.8	28.1
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## CONTAMINATION

Water	%	<b>NEG</b>	▲ 0.125	NEG	NEG
Silicon	ppm	<b>3</b>	2	4	3
Sodium	ppm	<b>2</b>	<1	3	3
Potassium	ppm	<b>&lt;1</b>	1	2	0



## WEAR METALS

Iron	ppm	<b>20</b>	12	38	21
Copper	ppm	<b>4</b>	3	8	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	0
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	2	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>85</b>	80	83	81
Magnesium	ppm	<b>3</b>	5	2	0
Zinc	ppm	<b>12</b>	0	19	9
Phosphorus	ppm	<b>205</b>	193	197	193
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>86</b>	87	66	95

## 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:** 10996249  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## VOLVO GRAPHS

