



CONSTRUCTION EQUIPMENT

CITY OF TAMPA VOLVO L180H 5423 - TRANSMISSION (AUTO)



Sample No: VCP436033
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: CITY OF TAMPA



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SAMPLE INFORMATION

Sample Number	VCP436033	VCP417396	VCP378039	VCP374619
Sample Date	10 Oct 2023	15 Aug 2023	11 Aug 2022	14 Jun 2022
Machine Hours	9167	8689	5393	4907
Oil Hours	0	4000	500	1500
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	28.6	41.8	28.1	28.2
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CONTAMINATION

Water	%	▲ 0.125	NEG	NEG	NEG
Silicon	ppm	2	4	3	3
Sodium	ppm	<1	3	3	1
Potassium	ppm	1	2	0	0



WEAR METALS

Iron	ppm	12	38	21	19
Copper	ppm	3	8	3	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	80	83	81	73
Magnesium	ppm	5	2	0	0
Zinc	ppm	0	19	9	6
Phosphorus	ppm	193	197	193	176
Barium	ppm	0	0	0	0
Boron	ppm	87	66	95	89

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10776681
Signed: Jonathan Hester
Report Date: 08 Dec 2023



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VOLVO GRAPHS

