



CONSTRUCTION EQUIPMENT

W14797 VOLVO L180H 5555 - L180H - TRANSMISSION (AUTO)



Sample No: VCP435127
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W14797



SAMPLE INFORMATION

Sample Number	VCP435127	VCP404687	VCP411473	VCP384241
Sample Date	16 Oct 2023	18 Jul 2023	10 Mar 2023	15 Nov 2022
Machine Hours	3043	2585	2008	1488
Oil Hours	1000	0	2000	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.8	28.1	30.1	28.2
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CONTAMINATION

Silicon	ppm	10	9	9	8
Sodium	ppm	0	4	2	3
Potassium	ppm	2	1	2	0



WEAR METALS

Iron	ppm	77	65	56	49
Copper	ppm	10	8	6	5
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	5	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	82	85	83	89
Magnesium	ppm	2	<1	1	1
Zinc	ppm	11	14	19	14
Phosphorus	ppm	184	193	176	207
Barium	ppm	1	1	0	0
Boron	ppm	79	77	78	73

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: VOLVO0080
Unique No: 10709690
Signed: Wes Davis
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

