



CONSTRUCTION EQUIPMENT

SWA058525-10 VOLVO L180H 5418 - TRANSMISSION (AUTO)



Sample No: VCP388761
Oil Type: VOLVO AT 102
Job No: SWA058525-10



SAMPLE INFORMATION

Sample Number	VCP388761	VCP331149	VCP324757	VCP291463
Sample Date	13 Sep 2022	29 Nov 2021	09 Jun 2021	20 Oct 2020
Machine Hours	3034	2239	997	575
Oil Hours	0	0	997	575
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: BILL EVANS
 bill.evans@vanquip.com
 T:
 F: (315)437-8558



OIL CONDITION

Visc @ 40°C	cSt	▲ 41.5	■ 27.2	■ 26.1	▲ 78.3
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CONTAMINATION

Silicon	ppm	■ 8	■ 8	■ 8	■ 6
Sodium	ppm	■ 2	■ 2	■ 4	■ 6
Potassium	ppm	■ <1	■ <1	■ <1	■ 1



WEAR METALS

Iron	ppm	■ 51	■ 56	■ 26	■ 46
Copper	ppm	■ 6	■ 7	■ 4	■ 5
Lead	ppm	■ 0	■ 0	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ <1	■ 0
Aluminum	ppm	■ 1	■ 0	■ <1	■ 2
Chromium	ppm	■ <1	■ <1	<1	<1
Molybdenum	ppm	■ <1	■ <1	■ <1	■ <1
Nickel	ppm	■ 0	■ 0	■ 0	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	■ 0	■ 0	0	<1
Manganese	ppm	■ 3	■ 4	■ 3	■ 4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 96	■ 121	■ 97	■ 89
Magnesium	ppm	■ 0	■ 1	■ <1	■ <1
Zinc	ppm	■ 16	10	11	■ 7
Phosphorus	ppm	■ 154	■ 171	■ 153	■ 150
Barium	ppm	■ 2	■ 4	■ 0	■ 6
Boron	ppm	■ 67	■ 51	■ 74	■ 82

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 fluid viscosity is higher than normal. Confirm oil type.

Depot: VOLV00142
Unique No: 10139750
Signed: Don Baldrige
Report Date: 21 Sep 2022



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VOLVO GRAPHS

