



CONSTRUCTION EQUIPMENT

594559 VOLVO L70H 623714 - TRANSMISSION (AUTO)



Sample No: VCP412621
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 594559



SAMPLE INFORMATION

Sample Number	VCP412621	VCP408210	VCP351639	VCP332210
Sample Date	16 Aug 2023	29 Mar 2023	18 Apr 2022	23 Dec 2021
Machine Hours	3333	2744	1915	1472
Oil Hours	0	0	1500	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	NORMAL	ABNORMAL

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 40°C	cSt	29.4	29.7	28.1	26.7
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CONTAMINATION

Silicon	ppm	8	8	6	9
Sodium	ppm	5	4	<1	3
Potassium	ppm	<1	1	2	2

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.



WEAR METALS

Iron	ppm	95	83	47	▲ 250
Copper	ppm	208	▲ 200	4	7
Lead	ppm	1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	3	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	10	10	8	10
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	423	451	108	150
Magnesium	ppm	19	25	3	3
Zinc	ppm	160	190	25	69
Phosphorus	ppm	284	303	199	190
Barium	ppm	0	2	0	<1
Boron	ppm	69	63	92	62

Depot: VOLVO0096
Unique No: 10615356
Signed: Sean Felton
Report Date: 23 Aug 2023



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GRAPHS

