



CONSTRUCTION EQUIPMENT

SWA510210 VOLVO L220H 12011 - TRANSMISSION (AUTO)



Sample No: VCP370395
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWA510210



SAMPLE INFORMATION

Sample Number	VCP370395	VCP442826	VCP386453	VCP325611
Sample Date	20 Mar 2024	22 Nov 2023	07 Oct 2022	19 Oct 2021
Machine Hours	21938	21516	19623	18817
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	27.8	27.8	28.1	28.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	9	9	5
Sodium	ppm	2	2	6	6
Potassium	ppm	8	8	8	4

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	54	50	19	63
Copper	ppm	8	6	4	10
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	3	2	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	2	3	1
Vanadium	ppm	<1	0	1	<1



ADDITIVES

Calcium	ppm	90	73	70	552
Magnesium	ppm	3	2	10	15
Zinc	ppm	17	6	8	237
Phosphorus	ppm	225	191	190	322
Barium	ppm	1	2	0	0
Boron	ppm	76	70	73	78

Depot: VOLV00142
Unique No: 10942433
Signed: Jonathan Hester
Report Date: 28 Mar 2024



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VOLVO GRAPHS

