



CONSTRUCTION EQUIPMENT

687744 VOLVO L110H 631322 - TRANSMISSION (AUTO)



Sample No: VCP444026
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 687744



SAMPLE INFORMATION

Sample Number	VCP444026	VCP432127	VCP398074	VCP338032
Sample Date	16 Mar 2024	30 Nov 2023	01 Aug 2023	22 Feb 2023
Machine Hours	11137	10589	9947	9341
Oil Hours	3000	0	2000	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	MARGINAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	33.2	29.7	27.9	27.5
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CONTAMINATION

Water	%	NEG	▲ 0.150	NEG	NEG
Silicon	ppm	3	<1	3	3
Sodium	ppm	1	0	0	2
Potassium	ppm	0	0	1	0

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	8	0	10	7
Copper	ppm	2	0	2	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	1	5	2
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	96	68	71	69
Magnesium	ppm	3	0	1	0
Zinc	ppm	17	4	5	3
Phosphorus	ppm	226	202	180	179
Barium	ppm	0	<1	1	0
Boron	ppm	96	94	98	87

Depot: RIPTAM
Unique No: 10976340
Signed: Don Baldrige
Report Date: 15 Apr 2024



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GRAPHS

