



CONSTRUCTION EQUIPMENT

VOLVO L90H 624818 - TRANSMISSION (AUTO)



Sample No: VCP452249
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP452249	VCP429232	VCP411631	VCP357458
Sample Date	30 Jan 2024	04 Oct 2023	05 Jun 2023	07 Apr 2022
Machine Hours	4037	3548	3023	2493
Oil Hours	0	0	0	2493
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	25.9	26.0	29.5	26.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	13	12	11
Sodium	ppm	0	6	5	5
Potassium	ppm	3	2	0	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	168	147	137	135
Copper	ppm	14	11	8	11
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	12	11	10	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	104	102	99	111
Magnesium	ppm	3	4	0	3
Zinc	ppm	48	65	56	57
Phosphorus	ppm	159	163	163	158
Barium	ppm	8	4	0	0
Boron	ppm	38	35	38	46

Depot: RIPTAM
Unique No: 10863809
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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VOLVO GRAPHS

