



CONSTRUCTION EQUIPMENT

VOLVO L90H 625045 - TRANSMISSION (AUTO)



Sample No: VCP454122
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP454122	VCP421741	VCP353530	VCP332164
Sample Date	08 May 2024	28 Mar 2023	12 Aug 2022	30 Nov 2021
Machine Hours	3471	2513	2015	1543
Oil Hours	0	2513	500	1543
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	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	27.1	24.4	24.3	26.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	14	11	11
Sodium	ppm	5	6	6	4
Potassium	ppm	5	2	3	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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	264	255	210	203
Copper	ppm	15	12	11	10
Lead	ppm	1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	2	4	2
Chromium	ppm	2	1	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	2	1	1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	11	10	9	10
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	84	89	96	88
Magnesium	ppm	2	0	1	<1
Zinc	ppm	75	70	60	58
Phosphorus	ppm	174	199	166	172
Barium	ppm	0	0	0	<1
Boron	ppm	39	38	40	53

Depot: RIPTAM
Unique No: 11019107
Signed: Don Baldrige
Report Date: 10 May 2024



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VOLVO GRAPHS

