



CONSTRUCTION EQUIPMENT

VOLVO L90H 623865 - TRANSMISSION (AUTO)



Sample No: VCP432495
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP432495	VCP424413	VCP398776	VCP365383
Sample Date	30 Oct 2023	17 May 2023	10 Jan 2023	06 Sep 2022
Machine Hours	7761	0	6700	6239
Oil Hours	0	0	1000	2000
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	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	28.8	26.6	26.7	26.6
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	7	8	6
Sodium	ppm	7	7	8	7
Potassium	ppm	2	3	2	<1

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	118	109	104	92
Copper	ppm	12	10	10	9
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	3	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	84	89	88	84
Magnesium	ppm	6	6	5	5
Zinc	ppm	17	28	22	28
Phosphorus	ppm	167	178	191	167
Barium	ppm	0	0	0	0
Boron	ppm	59	91	63	60

Depot: RIPTAM
Unique No: 10776683
Signed: Wes Davis
Report Date: 07 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

