



CONSTRUCTION EQUIPMENT

685951 VOLVO L90H 624974 - TRANSMISSION (AUTO)



Sample No: VCP316402
Oil Type: VOLVO AT 102
Job No: 685951



SAMPLE INFORMATION

Sample Number	VCP316402	VCP311423	VCP289858	VCP245208
Sample Date	12 Aug 2021	18 Jun 2021	29 Oct 2020	13 Jul 2020
Machine Hours	4475	4127	2720	2115
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	26.4	27.8	26.3	26.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	0	12
Sodium	ppm	6	6	4	6
Potassium	ppm	<1	1	2	<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	170	169	161	234
Copper	ppm	6	7	7	11
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	4	0	0	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	1	0
Manganese	ppm	5	5	6	11
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	88	82	99	96
Magnesium	ppm	3	0	4	2
Zinc	ppm	33	21	29	48
Phosphorus	ppm	168	166	171	180
Barium	ppm	0	0	<1	1
Boron	ppm	61	84	61	51

Depot: VOLVO0090
Unique No: 9622802
Signed: Jonathan Hester
Report Date: 18 Aug 2021



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VOLVO GRAPHS

