



CONSTRUCTION EQUIPMENT

620458 ATLAS ORG VOLVO L90H 623733 - TRANSMISSION (AUTO)



Sample No: VCP440717
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 620458 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP440717	VCP417237	VCP421740	VCP357363
Sample Date	12 Oct 2023	29 Jun 2023	28 Mar 2023	14 Apr 2022
Machine Hours	7240	6673	11120	9196
Oil Hours	0	0	2000	1000
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ABNORMAL	SEVERE	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.3	26.5	26.9	26.1
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CONTAMINATION

Silicon	ppm	7	9	10	5
Sodium	ppm	8	10	4	4
Potassium	ppm	3	3	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	▲ 169	352	103	56
Copper	ppm	7	11	7	6
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	4	3	2
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	0	<1	1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	6	11	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	129	214	107	78
Magnesium	ppm	0	2	11	1
Zinc	ppm	58	113	50	28
Phosphorus	ppm	197	232	200	162
Barium	ppm	0	0	0	0
Boron	ppm	52	35	46	52

Depot: VOLVO0096
Unique No: 10698815
Signed: Sean Felton
Report Date: 19 Oct 2023



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VOLVO GRAPHS

