



CONSTRUCTION EQUIPMENT

568173 ATLAS VOLVO L90H 623733 - TRANSMISSION (AUTO)



Sample No: VCP417237
Oil Type: VOLVO AT 102
Job No: 568173 ATLAS



SAMPLE INFORMATION

Sample Number	VCP417237	VCP421740	VCP357363	VCP334698
Sample Date	29 Jun 2023	28 Mar 2023	14 Apr 2022	07 Jul 2021
Machine Hours	6673	11120	9196	7801
Oil Hours	0	2000	1000	1800
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	SEVERE	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	26.5	26.9	26.1	26.4
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CONTAMINATION

Silicon	ppm	9	10	5	3
Sodium	ppm	10	4	4	4
Potassium	ppm	3	2	<1	<1



WEAR METALS

Iron	ppm	352	103	56	39
Copper	ppm	11	7	6	5
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	4	3	2	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	<1	1	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	11	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	214	107	78	64
Magnesium	ppm	2	11	1	0
Zinc	ppm	113	50	28	20
Phosphorus	ppm	232	200	162	133
Barium	ppm	0	0	0	0
Boron	ppm	35	46	52	58

Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data. The iron level is severe. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0096
Unique No: 10546446
Signed: Don Baldrige
Report Date: 07 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

