



CONSTRUCTION EQUIPMENT

687904 ATLAS ORGANIC VOLVO L70H 624676 - TRANSMISSION (AUTO)



Sample No: VCP444020
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 687904 ATLAS ORGANIC



SAMPLE INFORMATION

Sample Number	VCP444020	VCP440769	VCP411607	VCP355084
Sample Date	15 Mar 2024	29 Nov 2023	14 Aug 2023	20 Jun 2022
Machine Hours	3027	6536	2061	428
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.2	27.3	27.3	28.2
Acid Number (AN)	mg KOH/g	---	---	0.75	---



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	14	14	14
Sodium	ppm	6	6	6	2
Potassium	ppm	0	2	2	3



WEAR METALS

Iron	ppm	259	247	232	116
Copper	ppm	11	11	10	6
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	3	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	12	11	9
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	87	68	76	92
Magnesium	ppm	2	0	2	2
Zinc	ppm	50	42	37	26
Phosphorus	ppm	220	203	195	230
Barium	ppm	2	2	0	0
Boron	ppm	57	55	64	77

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.

Depot: VOLVO0093
Unique No: 10976342
Signed: Don Baldrige
Report Date: 15 Apr 2024



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VOLVO GRAPHS

