



CONSTRUCTION EQUIPMENT

660149 VOLVO L110H 631695 - TRANSMISSION (AUTO)



Sample No: VCP452439
Oil Type: VOLVO AT 102
Job No: 660149



SAMPLE INFORMATION

Sample Number	VCP452439	VCP424454	VCP417530	VCP386168
Sample Date	15 Jan 2024	11 Jul 2023	26 May 2023	07 Nov 2022
Machine Hours	19534	19030	18421	17370
Oil Hours	6000	0	2000	500
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

COVANTA
 350 FLAKENBURG ROAD
 TAMPA, FL
 US 33619
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	25.9	25.7	34.8	25.6
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T: (813)684-5688
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	10	10	9
Sodium	ppm	6	8	3	9
Potassium	ppm	2	<1	2	2

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.



WEAR METALS

Iron	ppm	307	294	314	283
Copper	ppm	15	14	17	14
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	17	17	17	16
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	9	9	9	9
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	111	108	107	95
Magnesium	ppm	9	6	3	2
Zinc	ppm	29	34	35	15
Phosphorus	ppm	216	163	163	178
Barium	ppm	12	0	0	0
Boron	ppm	37	44	44	42

Depot: COVTAM
Unique No: 10886690
Signed: Don Baldrige
Report Date: 21 Feb 2024

VOLVO **GRAPHS**

