



CONSTRUCTION EQUIPMENT

SWO-067626 VOLVO A45G 352799 - TRANSMISSION (AUTO)



Sample No: VCP428828
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWO-067626



SAMPLE INFORMATION

Sample Number	VCP428828	VCP433495	VCP419148	VCP405249
Sample Date	05 Dec 2023	25 Oct 2023	12 Jul 2023	29 Mar 2023
Machine Hours	4648	4451	3946	3445
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	29.3	28.3	27.2	25.6
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	▲ 20	4	5
Sodium	ppm	3	2	2	2
Potassium	ppm	<1	3	0	0

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All 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	9	22	18	11
Copper	ppm	15	25	15	7
Lead	ppm	0	0	0	0
Tin	ppm	1	2	1	<1
Aluminum	ppm	6	▲ 13	8	4
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	2	4	1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	419	73	93	67
Magnesium	ppm	2	1	3	4
Zinc	ppm	147	3	9	0
Phosphorus	ppm	292	209	216	200
Barium	ppm	0	0	0	0
Boron	ppm	92	98	102	96

Depot: SAIBIR
Unique No: 10780835
Signed: Don Baldrige
Report Date: 14 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

