



CONSTRUCTION EQUIPMENT

SWO-068624 VOLVO A45G 352769 - TRANSMISSION (AUTO)



Sample No: VCP441234
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWO-068624



SAMPLE INFORMATION

Sample Number	VCP441234	VCP0004658	VCP433854	VCP416528
Sample Date	05 Jan 2024	01 Dec 2023	20 Sep 2023	21 Jun 2023
Machine Hours	4942	4860	4400	3875
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	28.5	28.4	28.6	28.6
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CONTAMINATION

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

Diagnosis

Resample at the next service interval to monitor. 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	11	15	8	15
Copper	ppm	7	6	5	13
Lead	ppm	<1	0	0	<1
Tin	ppm	1	<1	<1	2
Aluminum	ppm	2	6	6	6
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	76	72	80	66
Magnesium	ppm	2	2	2	0
Zinc	ppm	0	0	5	0
Phosphorus	ppm	199	186	184	185
Barium	ppm	3	0	0	0
Boron	ppm	110	97	92	112

Depot: SAIBIR
Unique No: 10831093
Signed: Don Baldrige
Report Date: 16 Jan 2024



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GRAPHS

