



CONSTRUCTION EQUIPMENT

SWO-071566 VOLVO A45G 352769 - TRANSMISSION (AUTO)



Sample No: VCP453680
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWO-071566



SAMPLE INFORMATION

Sample Number	VCP453680	VCP441234	VCP0004658	VCP433854
Sample Date	01 May 2024	05 Jan 2024	01 Dec 2023	20 Sep 2023
Machine Hours	5450	4942	4860	4400
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	30.7	28.5	28.4	28.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	4	4	8
Sodium	ppm	<1	0	3	<1
Potassium	ppm	3	2	<1	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	14	11	15	8
Copper	ppm	4	7	6	5
Lead	ppm	0	<1	0	0
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	7	2	6	6
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	73	76	72	80
Magnesium	ppm	3	2	2	2
Zinc	ppm	7	0	0	5
Phosphorus	ppm	211	199	186	184
Barium	ppm	0	3	0	0
Boron	ppm	118	110	97	92

Depot: SAIBIR
Unique No: 11020500
Signed: Don Baldrige
Report Date: 13 May 2024



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VOLVO GRAPHS

