



CONSTRUCTION EQUIPMENT

VOLVO A45G 67 (S/N 342048) - TRANSMISSION (AUTO)



Sample No: VCP423704
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP423704	VCP405333	VCP323852	VCP323854
Sample Date	07 Jun 2023	14 Mar 2023	16 Nov 2022	16 May 2022
Machine Hours	0	13996	13328	11709
Oil Hours	0	0	0	0
Oil Changed	Not Changed	N/A	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

J.M. HUBER
 10322 HWY 53 E
 MARBLE HILL, GA
 US 30148
 Contact: TONY GIBSON



OIL CONDITION

Visc @ 40°C	cSt	28.3	25.7	27.9	27.3
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T: (770)893-4428
 F:



CONTAMINATION

Silicon	ppm	19	17	9	6
Sodium	ppm	1	2	3	2
Potassium	ppm	8	5	0	1

Diagnosis
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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	36	29	51	50
Copper	ppm	27	14	45	64
Lead	ppm	0	<1	<1	0
Tin	ppm	4	2	5	8
Aluminum	ppm	20	11	17	21
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	4	2	▲ 7	▲ 11
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	2	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	79	83	71	81
Magnesium	ppm	<1	3	2	<1
Zinc	ppm	0	6	0	2
Phosphorus	ppm	219	197	232	188
Barium	ppm	1	0	0	0
Boron	ppm	79	79	87	75

Depot: JMHHMAR
Unique No: 10713952
Signed: Sean Felton
Report Date: 30 Oct 2023



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VOLVO GRAPHS

