



CONSTRUCTION EQUIPMENT

660308 MOSIAC VOLVO A45G 342286 - TRANSMISSION (AUTO)



Sample No: VCP428863
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 660308 MOSIAC



SAMPLE INFORMATION

Sample Number	VCP428863	VCP426339	VCP420077	VCP409324
Sample Date	16 Jan 2024	29 Sep 2023	05 Jun 2023	15 Feb 2023
Machine Hours	3868	7665	7102	6453
Oil Hours	1600	1000	1100	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.6	27.5	27.9	26.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	3	7
Sodium	ppm	4	0	3	6
Potassium	ppm	<1	2	<1	3

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	24	28	25	56
Copper	ppm	15	19	15	42
Lead	ppm	0	<1	0	0
Tin	ppm	3	3	2	7
Aluminum	ppm	13	13	14	30
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	2	3	2	6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	78	77	74	95
Magnesium	ppm	0	1	0	3
Zinc	ppm	0	0	0	15
Phosphorus	ppm	190	181	185	150
Barium	ppm	0	0	0	0
Boron	ppm	83	91	81	59

Depot: VOLVO0093
Unique No: 10862386
Signed: Don Baldrige
Report Date: 07 Feb 2024



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VOLVO GRAPHS

