



CONSTRUCTION EQUIPMENT

565144 MOSAIC VOLVO A45G 342286 - TRANSMISSION (AUTO)



Sample No: VCP420077
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 565144 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 JFARDELLA@ALTAEQUIPFL.COM
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP420077	VCP409324	VCP388346	VCP375728
Sample Date	05 Jun 2023	15 Feb 2023	21 Oct 2022	10 Jun 2022
Machine Hours	7102	6453	5893	5089
Oil Hours	1100	2000	500	1000
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	27.9	26.0	26.0	26.2
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CONTAMINATION

Silicon	ppm	3	7	7	7
Sodium	ppm	3	6	6	6
Potassium	ppm	<1	3	0	<1



WEAR METALS

Iron	ppm	25	56	52	47
Copper	ppm	15	42	40	37
Lead	ppm	0	0	0	0
Tin	ppm	2	7	6	5
Aluminum	ppm	14	30	29	26
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	2	6	6	5
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	95	90	93
Magnesium	ppm	0	3	<1	0
Zinc	ppm	0	15	0	8
Phosphorus	ppm	185	150	158	159
Barium	ppm	0	0	0	0
Boron	ppm	81	59	56	67

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.

Depot: VOLVO0093
Unique No: 10551228
Signed: Don Baldrige
Report Date: 13 Jul 2023



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VOLVO GRAPHS

