



CONSTRUCTION EQUIPMENT

633459 APTIM VOLVO A35G 340101 - TRANSMISSION (AUTO)



Sample No: VCP386134
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 633459 APTIM



SAMPLE INFORMATION

Sample Number	VCP386134	VCP392923	VCP395756	VCP354556
Sample Date	13 Nov 2023	24 May 2023	31 Jan 2023	25 May 2022
Machine Hours	8512	7984	7430	6342
Oil Hours	500	2000	2000	500
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.5	28.3	27.3	27.7
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CONTAMINATION

Water	%	0.010	NEG	NEG	NEG
Silicon	ppm	3	3	6	4
Sodium	ppm	2	0	3	2
Potassium	ppm	<1	2	<1	1

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	6	16	33	21
Copper	ppm	4	10	24	16
Lead	ppm	0	0	<1	0
Tin	ppm	<1	2	4	3
Aluminum	ppm	7	11	26	14
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	1	2	4	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	68	75	72	74
Magnesium	ppm	2	<1	<1	<1
Zinc	ppm	0	0	3	<1
Phosphorus	ppm	197	191	181	186
Barium	ppm	0	0	0	0
Boron	ppm	90	101	83	107

Depot: VOLVO0093
Unique No: 10765351
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

