



CONSTRUCTION EQUIPMENT

621035 APTIM VOLVO A35G 340232 - TRANSMISSION (AUTO)



Sample No: VCP435653
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 621035 APTIM



SAMPLE INFORMATION

Sample Number	VCP435653	VCP422679	VCP393989	VCP389361
Sample Date	25 Oct 2023	23 Jun 2023	16 Mar 2023	17 Oct 2022
Machine Hours	8414	7810	7309	6832
Oil Hours	414	2000	2000	500
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.4	27.9	26.0	25.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	9	6
Sodium	ppm	2	3	7	5
Potassium	ppm	0	<1	2	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	23	48	132	110
Copper	ppm	7	15	43	36
Lead	ppm	0	0	0	0
Tin	ppm	1	2	8	6
Aluminum	ppm	8	17	44	35
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	2	6	5
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	62	75	85	81
Magnesium	ppm	0	<1	1	0
Zinc	ppm	2	0	6	0
Phosphorus	ppm	178	187	173	163
Barium	ppm	0	0	0	0
Boron	ppm	82	86	64	59

Depot: VOLVO0093
Unique No: 10753520
Signed: Don Baldrige
Report Date: 24 Nov 2023



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GRAPHS

