



CONSTRUCTION EQUIPMENT

SPM659044-10 VOLVO A40G 341625 - TRANSMISSION (AUTO)



Sample No: VCP438921
Oil Type: VOLVO AT 102
Job No: SPM659044-10



SAMPLE INFORMATION

Sample Number	VCP438921	VCP393790	VCP344748	VCP301527
Sample Date	11 Jan 2024	17 Mar 2023	12 Oct 2021	04 Jan 2021
Machine Hours	8515	7472	5457	4161
Oil Hours	0	2015	0	0
Oil Changed	N/A	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.4	27.7	27.0	27.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	5	4
Sodium	ppm	3	3	4	2
Potassium	ppm	<1	<1	8	14

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	18	20	18	24
Copper	ppm	16	32	27	23
Lead	ppm	0	0	0	1
Tin	ppm	<1	4	<1	0
Aluminum	ppm	4	11	8	9
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	2	5	5	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	79	77	105	87
Magnesium	ppm	1	2	4	<1
Zinc	ppm	3	6	8	4
Phosphorus	ppm	201	190	179	169
Barium	ppm	0	0	0	0
Boron	ppm	90	90	82	91

Depot: VOLVO0090
Unique No: 10835323
Signed: Wes Davis
Report Date: 18 Jan 2024



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GRAPHS

