



CONSTRUCTION EQUIPMENT

VOLVO A40G 352449 - TRANSMISSION (AUTO)



Sample No: VCP455454
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP455454	VCP335488	VCP411072	VCP421333
Sample Date	02 May 2024	25 Oct 2023	16 Aug 2023	21 Jul 2023
Machine Hours	8038	7451	7072	6888
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.3	28.5	28.4	30.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	3	3
Sodium	ppm	4	3	2	2
Potassium	ppm	2	<1	0	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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	15	8	7	13
Copper	ppm	12	12	<1	9
Lead	ppm	2	0	0	0
Tin	ppm	4	1	0	<1
Aluminum	ppm	7	4	<1	3
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	2	1	0	1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	79	68	74	76
Magnesium	ppm	0	12	0	0
Zinc	ppm	4	0	0	<1
Phosphorus	ppm	208	188	203	224
Barium	ppm	0	0	0	0
Boron	ppm	85	95	96	123

Depot: VOLVO0090
Unique No: 11016446
Signed: Jonathan Hester
Report Date: 08 May 2024



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GRAPHS

