



CONSTRUCTION EQUIPMENT

VOLVO A40G 352441 - TRANSMISSION (AUTO)



Sample No: VCP412187
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP412187	VCP328966	VCP312046	VCP292511
Sample Date	16 Aug 2023	20 Oct 2021	30 Apr 2021	10 Dec 2020
Machine Hours	6804	3406	2173	1162
Oil Hours	0	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.4	25.4	26.7	26.6
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CONTAMINATION

Silicon	ppm	3	5	4	9
Sodium	ppm	4	5	6	3
Potassium	ppm	<1	0	0	3



WEAR METALS

Iron	ppm	17	19	23	32
Copper	ppm	16	30	42	67
Lead	ppm	0	0	0	0
Tin	ppm	2	0	0	6
Aluminum	ppm	12	9	10	6
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	2	4	▲ 6	10
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	75	82	88	84
Magnesium	ppm	1	<1	2	<1
Zinc	ppm	6	5	8	0
Phosphorus	ppm	196	141	173	148
Barium	ppm	0	0	0	<1
Boron	ppm	86	72	70	64

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.

Depot: VOLVO0090
Unique No: 10616471
Signed: Wes Davis
Report Date: 23 Aug 2023



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GRAPHS

