



CONSTRUCTION EQUIPMENT

VOLVO A40 352852 - TRANSMISSION (AUTO)



Sample No: VCP451188
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP451188	VCP411554	VCP420076	VCP395059
Sample Date	09 May 2024	12 Jul 2023	19 Jun 2023	10 Mar 2023
Machine Hours	5118	3635	3956	2973
Oil Hours	0	0	0	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	28.5	28.5	28.4	28.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	13	4	5
Sodium	ppm	3	5	3	3
Potassium	ppm	<1	2	0	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	17	55	23	19
Copper	ppm	7	21	11	12
Lead	ppm	0	0	0	0
Tin	ppm	2	3	2	3
Aluminum	ppm	12	19	15	11
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	2	1	1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	4	0	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	83	72	67	76
Magnesium	ppm	3	<1	0	3
Zinc	ppm	15	0	0	0
Phosphorus	ppm	201	184	193	200
Barium	ppm	0	0	0	0
Boron	ppm	95	77	88	89

Depot: RIPTAM
Unique No: 11030568
Signed: Don Baldrige
Report Date: 16 May 2024



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VOLVO GRAPHS

