



CONSTRUCTION EQUIPMENT

VOLVO A40G 353142 - TRANSMISSION (AUTO)



Sample No: VCP416305
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP416305	VCP406904	VCP397279	VCP390653
Sample Date	18 Aug 2023	12 Apr 2023	10 Jan 2023	06 Oct 2022
Machine Hours	2126	1624	0	585
Oil Hours	0	1624	1000	585
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	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	28.1	28.4	32.3	28.4
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CONTAMINATION

Silicon	ppm	16	6	4	14
Sodium	ppm	6	4	4	3
Potassium	ppm	4	<1	0	0



WEAR METALS

Iron	ppm	42	39	17	19
Copper	ppm	25	9	8	14
Lead	ppm	0	0	0	0
Tin	ppm	4	<1	2	2
Aluminum	ppm	24	6	10	9
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	3	<1	<1	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	6	<1	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	77	70	71	72
Magnesium	ppm	0	1	0	<1
Zinc	ppm	0	18	<1	0
Phosphorus	ppm	203	188	185	206
Barium	ppm	0	0	0	0
Boron	ppm	77	89	88	79

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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: RIPTAM
Unique No: 10655664
Signed: Jonathan Hester
Report Date: 20 Sep 2023



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GRAPHS

