



CONSTRUCTION EQUIPMENT

580547 VOLVO A40G 3525 13 - TRANSMISSION (AUTO)



Sample No: VCP393513
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 580547



SAMPLE INFORMATION

Sample Number	VCP393513	VCP406506	VCP390668	VCP354474
Sample Date	31 Jul 2023	22 Apr 2023	26 Sep 2022	17 Jun 2022
Machine Hours	5166	4603	3603	3027
Oil Hours	0	600	500	1500
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	27.6	27.9	27.9	28.3
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CONTAMINATION

Silicon	ppm	7	6	6	6
Sodium	ppm	4	4	3	2
Potassium	ppm	3	3	2	0



WEAR METALS

Iron	ppm	33	29	25	29
Copper	ppm	29	24	28	23
Lead	ppm	0	0	0	0
Tin	ppm	5	4	4	4
Aluminum	ppm	17	14	15	11
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	5	4	4	4
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	71	75	73
Magnesium	ppm	1	5	0	0
Zinc	ppm	6	4	3	2
Phosphorus	ppm	184	188	173	177
Barium	ppm	2	0	0	0
Boron	ppm	85	73	79	87

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10602523
Signed: Don Baldrige
Report Date: 14 Aug 2023



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GRAPHS

