



CONSTRUCTION EQUIPMENT

VOLVO A40G 342175 - TRANSMISSION (AUTO)



Sample No: VCP407855
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP407855	VCP386257	VCP389307	VCP332843
Sample Date	16 Jun 2023	28 Nov 2022	15 Sep 2022	01 Mar 2022
Machine Hours	9340	8479	8071	7189
Oil Hours	0	500	500	1500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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T:
F:



OIL CONDITION

Visc @ 40°C	cSt	28.4	28.2	27.6	30.4
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CONTAMINATION

Silicon	ppm	2	9	4	5
Sodium	ppm	3	4	4	<1
Potassium	ppm	0	2	<1	2



WEAR METALS

Iron	ppm	21	41	23	23
Copper	ppm	5	6	12	9
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	3	2
Aluminum	ppm	7	8	14	10
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	2	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	4	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	67	84	73	62
Magnesium	ppm	0	3	<1	0
Zinc	ppm	0	0	6	0
Phosphorus	ppm	191	211	170	177
Barium	ppm	0	0	0	0
Boron	ppm	89	80	73	90

Diagnosis

The 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: 10552371
Signed: Don Baldrige
Report Date: 14 Jul 2023



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VOLVO GRAPHS

