



CONSTRUCTION EQUIPMENT

VOLVO A40G 3525 13 - TRANSMISSION (AUTO)



Sample No: VCP447339
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP447339	VCP437894	VCP393513	VCP406506
Sample Date	22 Jun 2024	14 Mar 2024	31 Jul 2023	22 Apr 2023
Machine Hours	6676	6161	5166	4603
Oil Hours	0	2000	0	600
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	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	34.9	28.1	27.6	27.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	7	6
Sodium	ppm	0	3	4	4
Potassium	ppm	1	0	3	3

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	6	21	33	29
Copper	ppm	<1	15	29	24
Lead	ppm	0	0	0	0
Tin	ppm	<1	2	5	4
Aluminum	ppm	2	10	17	14
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	<1	2	5	4
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	2	1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	80	84	74	71
Magnesium	ppm	1	<1	1	5
Zinc	ppm	13	9	6	4
Phosphorus	ppm	166	218	184	188
Barium	ppm	0	0	2	0
Boron	ppm	103	88	85	73

Depot: RIPTAM
Unique No: 1114154
Signed: Jonathan Hester
Report Date: 10 Jul 2024



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VOLVO GRAPHS

