



CONSTRUCTION EQUIPMENT

633743 PRIMORIS VOLVO A40G 352509 - TRANSMISSION (AUTO)



Sample No: VCP440789
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 633743 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP440789	VCP425815	VCP424480	VCP392957
Sample Date	16 Nov 2023	13 Jul 2023	25 Apr 2023	06 Dec 2022
Machine Hours	5500	4873	4282	3689
Oil Hours	1500	500	2000	1500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	28.1	28.6	27.2	27.77
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	5	10	9
Sodium	ppm	0	3	4	8
Potassium	ppm	2	0	4	<1

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	24	18	43	37
Copper	ppm	23	17	52	45
Lead	ppm	0	0	0	0
Tin	ppm	4	2	8	6
Aluminum	ppm	10	8	26	18
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	3	2	8	5
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	74	70	85	81
Magnesium	ppm	2	<1	2	<1
Zinc	ppm	0	0	7	7
Phosphorus	ppm	163	188	171	174
Barium	ppm	0	0	0	<1
Boron	ppm	92	92	68	71

Depot: VOLVO0093
Unique No: 10846478
Signed: Don Baldrige
Report Date: 26 Jan 2024



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GRAPHS

