



CONSTRUCTION EQUIPMENT

W07013767 VOLVO A45G 342044 - TRANSMISSION (AUTO)



Sample No: VCP407649
Oil Type: MOBIL ATF 102
Job No: W07013767



SAMPLE INFORMATION

Sample Number	VCP407649	VCP401304	VCP351031	VCP276058
Sample Date	10 Nov 2023	02 Feb 2023	15 Mar 2022	10 Jul 2020
Machine Hours	9892	8248	7009	4237
Oil Hours	1000	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	40.5	27.8	28.6	26.0
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CONTAMINATION

Water	%	0.134	NEG	NEG	NEG
Silicon	ppm	10	4	4	8
Sodium	ppm	4	3	6	6
Potassium	ppm	0	<1	0	2



WEAR METALS

Iron	ppm	56	50	64	94
Copper	ppm	45	37	48	70
Lead	ppm	0	<1	0	<1
Tin	ppm	5	4	6	9
Aluminum	ppm	14	13	15	28
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	6	6	7	11
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	82	90	102	85
Magnesium	ppm	<1	3	5	1
Zinc	ppm	7	9	8	2
Phosphorus	ppm	205	207	191	145
Barium	ppm	0	0	0	<1
Boron	ppm	91	99	79	74

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. There is a light concentration of water present in the fluid. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO8882
Unique No: 10763031
Signed: Don Baldrige
Report Date: 30 Nov 2023



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GRAPHS

