



CONSTRUCTION EQUIPMENT

SPM661225 VOLVO L350 1138 - TRANSMISSION (AUTO)



Sample No: VCP442822
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SPM661225



SAMPLE INFORMATION

Sample Number	VCP442822	VCP433567	VCP351476	VCP368619
Sample Date	30 Jan 2024	04 Oct 2023	11 Aug 2023	25 Apr 2023
Machine Hours	5328	4974	4582	3754
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT

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OIL CONDITION

Visc @ 40°C	cSt	▲ 90.3	▲ 90.1	▲ 90.6	▲ 86.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 11	■ 8	■ 20	■ 12
Sodium	ppm	■ 0	■ 2	■ 5	■ 3
Potassium	ppm	■ 2	■ 1	■ 0	■ 0

Diagnosis

No corrective action is recommended at this time. 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 fluid viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



WEAR METALS

Iron	ppm	■ 29	■ 10	■ 54	■ 27
Copper	ppm	■ 24	■ 11	■ 47	■ 36
Lead	ppm	■ <1	■ <1	■ 0	■ 0
Tin	ppm	■ 1	■ <1	■ 1	■ <1
Aluminum	ppm	■ <1	■ 1	■ 2	■ 1
Chromium	ppm	■ <1	■ 0	■ <1	■ <1
Molybdenum	ppm	■ 2	■ 0	■ 0	■ <1
Nickel	ppm	■ <1	■ <1	■ 0	■ 0
Titanium	ppm	<1	0	<1	0
Silver	ppm	■ 0	■ 0	■ 0	■ 0
Manganese	ppm	■ <1	■ 0	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 2790	▲ 2883	▲ 2934	▲ 3199
Magnesium	ppm	▲ 29	▲ 30	■ 13	■ 15
Zinc	ppm	▲ 1302	▲ 1235	▲ 1200	▲ 1282
Phosphorus	ppm	▲ 956	▲ 1052	▲ 994	▲ 1062
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	▲ 4	▲ 4	▲ 0	▲ 6

Depot: VOLV00142
Unique No: 10860739
Signed: Jonathan Hester
Report Date: 06 Feb 2024



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VOLVO GRAPHS

