



CONSTRUCTION EQUIPMENT

SW102500 ALL CITY VOLVO L90H 624182 - TRANSMISSION (AUTO)



Sample No: VCP406935
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SW102500 ALL CITY



SAMPLE INFORMATION

Sample Number	VCP406935	VCP350394	VCP277079	---
Sample Date	28 Jun 2023	23 Mar 2022	21 May 2020	---
Machine Hours	2608	2110	883	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	26.5	26.1	26.6	---
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CONTAMINATION

Silicon	ppm	▲ 20	18	18	---
Sodium	ppm	■ <1	6	7	---
Potassium	ppm	■ 4	3	<1	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 75	72	68	---
Copper	ppm	■ 14	13	10	---
Lead	ppm	■ 0	0	2	---
Tin	ppm	■ 0	0	0	---
Aluminum	ppm	■ 0	2	1	---
Chromium	ppm	■ <1	<1	<1	---
Molybdenum	ppm	■ <1	<1	0	---
Nickel	ppm	■ <1	0	1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	■ <1	0	0	---
Manganese	ppm	■ 10	10	10	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	■ 119	124	134	---
Magnesium	ppm	■ 3	2	2	---
Zinc	ppm	■ 51	47	47	---
Phosphorus	ppm	■ 167	178	187	---
Barium	ppm	■ 6	0	6	---
Boron	ppm	■ 59	61	62	---

Depot: VOLVO6174
Unique No: 10549897
Signed: Sean Felton
Report Date: 12 Jul 2023



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GRAPHS

