



CONSTRUCTION EQUIPMENT

8000365290 VOLVO L45HS 422 197 - TRANSMISSION (AUTO)



Sample No: VCP353388
Oil Type: VOLVO AT 102
Job No: 8000365290



SAMPLE INFORMATION

Sample Number	VCP353388	VCP334379	---	---
Sample Date	17 Aug 2023	29 May 2023	---	---
Machine Hours	1901	1302	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL
RED DEER COUNTY, AB
CA T4S 2L4
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OIL CONDITION

Visc @ 40°C	cSt	▲ 12.1	■ 28.5	---	---
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CONTAMINATION

Silicon	ppm	■ 6	■ 7	---	---
Sodium	ppm	■ 2	■ 2	---	---
Potassium	ppm	■ 3	■ 4	---	---



WEAR METALS

Iron	ppm	■ 43	■ 35	---	---
Copper	ppm	■ 2	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ <1	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	■ 0	■ 0	---	---



ADDITIVES

Calcium	ppm	■ 73	■ 93	---	---
Magnesium	ppm	■ 3	■ 2	---	---
Zinc	ppm	■ 35	■ 14	---	---
Phosphorus	ppm	■ 164	■ 229	---	---
Barium	ppm	■ <1	■ <1	---	---
Boron	ppm	■ 44	■ 76	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the fluid. Tests confirm the presence of fuel or other volatiles in the fluid. Viscosity of sample indicates oil is within ISO 10 range, advise investigate. The fluid is no longer serviceable due to the presence of contaminants.

Depot: VOLVO9652
Unique No: 5631594
Signed: Kevin Marson
Report Date: 29 Aug 2023



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GRAPHS

