



# CONSTRUCTION EQUIPMENT

WASTE CONNECTIONS 363865 VOLVO L110H 631142 - TRANSMISSION (MANUAL)



**Sample No:** VCP352699  
**Oil Type:** VOLVO AT 102  
**Job No:** 363865



## SAMPLE INFORMATION

Sample Number	VCP352699	VCP144840	---	---
Sample Date	01 May 2023	21 Sep 2017	---	---
Machine Hours	20497	4311	---	---
Oil Hours	0	4311	---	---
Oil Changed	Not Changed	Not Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE  
CALGARY, AB  
CA T2C 4R7

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## OIL CONDITION

Visc @ 40°C	cSt	▲ 94.1	■ 73.9	---	---
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## CONTAMINATION

Silicon	ppm	■ 8	■ 4	---	---
Sodium	ppm	■ <1	■ 4	---	---
Potassium	ppm	■ <1	■ 0	---	---



## WEAR METALS

Iron	ppm	■ 7	■ 8	---	---
Copper	ppm	■ 34	■ 2	---	---
Lead	ppm	■ <1	■ 1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ 0	■ 0	---	---
Molybdenum	ppm	■ 2	<1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	■ 0	0	---	---
Manganese	ppm	■ <1	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	3543	2431	---	---
Magnesium	ppm	28	10	---	---
Zinc	ppm	1035	1015	---	---
Phosphorus	ppm	■ 942	869	---	---
Barium	ppm	■ 0	<1	---	---
Boron	ppm	3	14	---	---

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as VOLVO AT 102, however, a fluid match indicates that this fluid is SAE 40 Transmission/Drive Train Oil. Please confirm the fluid type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO3909  
**Unique No:** 5568519  
**Signed:** Kevin Marson  
**Report Date:** 05 May 2023



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## GRAPHS

