



# CONSTRUCTION EQUIPMENT

19768 LANE-BLYTHE VOLVO A45G 352253 - TRANSMISSION (AUTO)



**Sample No:** VCP443142  
**Oil Type:** VOLVO AT 102  
**Job No:** 19768 LANE-BLYTHE



## SAMPLE INFORMATION

Sample Number	<b>VCP443142</b>	VCP418394	VCP387569	VCP259033
Sample Date	<b>06 Oct 2023</b>	06 Jun 2023	24 Aug 2022	01 Aug 2020
Machine Hours	<b>5191</b>	4749	3927	776
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changed</b>	Not Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>27.5</b>	27.7	28.7	26.8
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## CONTAMINATION

Silicon	ppm	<b>5</b>	4	7	16
Sodium	ppm	<b>4</b>	4	4	6
Potassium	ppm	<b>&lt;1</b>	0	2	0



## WEAR METALS

Iron	ppm	<b>23</b>	23	41	25
Copper	ppm	<b>36</b>	32	54	62
Lead	ppm	<b>0</b>	0	<1	2
Tin	ppm	<b>5</b>	4	5	5
Aluminum	ppm	<b>19</b>	14	17	11
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	2	5	<1
Nickel	ppm	<b>6</b>	5	▲ 8	▲ 8
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	1	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>113</b>	125	215	89
Magnesium	ppm	<b>2</b>	3	16	1
Zinc	ppm	<b>21</b>	20	65	5
Phosphorus	ppm	<b>231</b>	255	312	155
Barium	ppm	<b>0</b>	0	0	2
Boron	ppm	<b>93</b>	116	106	67

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO8769  
**Unique No:** 10702524  
**Signed:** Don Baldrige  
**Report Date:** 23 Oct 2023



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## GRAPHS

