



# CONSTRUCTION EQUIPMENT

## 620772 MOSAIC VOLVO L110H 12152 - TRANSMISSION (AUTO)



**Sample No:** VCP421237  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 620772 MOSAIC



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### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP421237</b>   | VCP415592   | VCP394456   | VCP374164   |
| Sample Date   | <b>19 Oct 2023</b> | 27 Jun 2023 | 09 Mar 2023 | 17 Jun 2022 |
| Machine Hours | <b>5794</b>        | 5254        | 4719        | 3496        |
| Oil Hours     | <b>1700</b>        | 1000        | 0           | 1000        |
| Oil Changed   | <b>Not Changd</b>  | Not Changd  | Not Changd  | Not Changd  |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | ABNORMAL    |



### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>27.7</b> | 31.0 | 28.4 | 25.8 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

|           |     |          |   |   |   |
|-----------|-----|----------|---|---|---|
| Silicon   | ppm | <b>3</b> | 3 | 4 | 8 |
| Sodium    | ppm | <b>3</b> | 1 | 2 | 2 |
| Potassium | ppm | <b>3</b> | 0 | 3 | 2 |



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>19</b>    | 20 | 17 | 66 |
| Copper     | ppm | <b>3</b>     | 2  | 2  | 9  |
| Lead       | ppm | <b>0</b>     | 0  | 0  | <1 |
| Tin        | ppm | <b>0</b>     | 0  | 0  | 0  |
| Aluminum   | ppm | <b>7</b>     | 7  | 4  | 11 |
| Chromium   | ppm | <b>0</b>     | 0  | <1 | <1 |
| Molybdenum | ppm | <b>0</b>     | 0  | <1 | <1 |
| Nickel     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>1</b>     | 1  | 2  | 5  |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>131</b>   | 85  | 79  | 93  |
| Magnesium  | ppm | <b>1</b>     | 2   | 4   | 2   |
| Zinc       | ppm | <b>31</b>    | <1  | 0   | 20  |
| Phosphorus | ppm | <b>207</b>   | 197 | 188 | 158 |
| Barium     | ppm | <b>&lt;1</b> | 0   | 0   | 7   |
| Boron      | ppm | <b>78</b>    | 98  | 76  | 64  |

### Diagnosis

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 condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10742495  
**Signed:** Wes Davis  
**Report Date:** 16 Nov 2023



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## GRAPHS

