



# CONSTRUCTION EQUIPMENT

## 659877 VOLVO L120H 632860 - TRANSMISSION (AUTO)



**Sample No:** VCP437447  
**Oil Type:** VOLVO AT 102  
**Job No:** 659877



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP437447</b>   | VCP432772   | VCP411702   | VCP397640   |
| Sample Date   | <b>15 Jan 2024</b> | 06 Sep 2023 | 06 Jun 2023 | 08 Feb 2023 |
| Machine Hours | <b>6693</b>        | 5768        | 4936        | 4349        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

**ORANGE COUNTY SOLID WASTE**  
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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>26.8</b> | 25.4 | 28.0 | 34.4 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>4</b> | 4   | 4   | 9   |
| Sodium    | ppm | <b>0</b> | 3   | 1   | 6   |
| Potassium | ppm | <b>2</b> | 0   | 1   | 0   |

### 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.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>37</b>    | 31 | 28 | 97 |
| Copper     | ppm | <b>9</b>     | 5  | 4  | 14 |
| Lead       | ppm | <b>0</b>     | 0  | 0  | 0  |
| Tin        | ppm | <b>0</b>     | <1 | 0  | <1 |
| Aluminum   | ppm | <b>3</b>     | 6  | 2  | 9  |
| Chromium   | ppm | <b>&lt;1</b> | <1 | 0  | <1 |
| Molybdenum | ppm | <b>0</b>     | 0  | <1 | <1 |
| Nickel     | ppm | <b>0</b>     | <1 | 0  | <1 |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>1</b>     | 2  | 2  | 8  |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>75</b>    | 78  | 77  | 83  |
| Magnesium  | ppm | <b>&lt;1</b> | 2   | 2   | 4   |
| Zinc       | ppm | <b>0</b>     | 16  | 19  | 70  |
| Phosphorus | ppm | <b>226</b>   | 204 | 190 | 170 |
| Barium     | ppm | <b>3</b>     | <1  | 0   | 1   |
| Boron      | ppm | <b>88</b>    | 83  | 79  | 48  |

**Depot:** ORAORL  
**Unique No:** 10836038  
**Signed:** Don Baldrige  
**Report Date:** 21 Jan 2024



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## VOLVO GRAPHS

