



# CONSTRUCTION EQUIPMENT

## 480166 VOLVO L180H 5286 - TRANSMISSION (AUTO)



**Sample No:** VCP371023  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP371023</b>   | DJJ0013916  | DJJ0014228  | DJJ0014222  |
| Sample Date   | <b>15 Apr 2024</b> | 17 Oct 2023 | 20 Jun 2023 | 13 Apr 2023 |
| Machine Hours | <b>9973</b>        | 9515        | 9008        | 8501        |
| Oil Hours     | <b>0</b>           | 0           | 9008        | 500         |
| Oil Changed   | <b>Changed</b>     | Not Changd  | Changed     | Not Changd  |
| Sample Status | <b>ABNORMAL</b>    | NORMAL      | NORMAL      | NORMAL      |

**ADVANTAGE METALS RECYCLING - 12 STREET**  
 1153 S. 12TH STREET  
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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>28.5</b> | 35.6 | 28.0 | 28.2 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>7</b> | 4   | 3   | 3   |
| Sodium    | ppm | <b>0</b> | <1  | 2   | 1   |
| Potassium | ppm | <b>2</b> | 0   | 1   | 0   |

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>10</b>    | 4  | 7  | 6  |
| Copper     | ppm | <b>2</b>     | 1  | 1  | 1  |
| Lead       | ppm | <b>2</b>     | 0  | 0  | 0  |
| Tin        | ppm | <b>2</b>     | 0  | 0  | 0  |
| Aluminum   | ppm | <b>2</b>     | 0  | <1 | 1  |
| Chromium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Molybdenum | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Nickel     | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Silver     | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | 0  | <1 |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>167</b>   | 90  | 74  | 69  |
| Magnesium  | ppm | <b>2</b>     | 10  | 6   | 2   |
| Zinc       | ppm | <b>38</b>    | 17  | 11  | 2   |
| Phosphorus | ppm | <b>264</b>   | 180 | 204 | 198 |
| Barium     | ppm | <b>&lt;1</b> | 0   | 0   | 0   |
| Boron      | ppm | <b>105</b>   | 92  | 97  | 101 |

**Depot:** ADVKANLH  
**Unique No:** 11005953  
**Signed:** Don Baldrige  
**Report Date:** 03 May 2024



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## VOLVO GRAPHS

