



# CONSTRUCTION EQUIPMENT

## RENTAL VOLVO L180H 5785 - TRANSMISSION (AUTO)



**Sample No:** VCP437923  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** RENTAL



### SAMPLE INFORMATION

|               |                    |             |             |     |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | <b>VCP437923</b>   | VCP426250   | VCP371171   | --- |
| Sample Date   | <b>18 Mar 2024</b> | 16 Oct 2023 | 14 Sep 2023 | --- |
| Machine Hours | <b>4218</b>        | 1214        | 628         | --- |
| Oil Hours     | <b>0</b>           | 1214        | 628         | --- |
| Oil Changed   | <b>Changed</b>     | Not Changd  | Not Changd  | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | --- |

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### OIL CONDITION

|             |     |             |      |       |     |
|-------------|-----|-------------|------|-------|-----|
| Visc @ 40°C | cSt | <b>27.3</b> | 29.6 | 30.25 | --- |
|-------------|-----|-------------|------|-------|-----|



### CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | NEG | --- |
| Silicon   | ppm | <b>10</b>  | 7   | 8   | --- |
| Sodium    | ppm | <b>2</b>   | 4   | 3   | --- |
| Potassium | ppm | <b>2</b>   | <1  | 1   | --- |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |     |
|------------|-----|--------------|----|----|-----|
| Iron       | ppm | <b>87</b>    | 31 | 26 | --- |
| Copper     | ppm | <b>8</b>     | 4  | 4  | --- |
| Lead       | ppm | <b>&lt;1</b> | 0  | 0  | --- |
| Tin        | ppm | <b>&lt;1</b> | 0  | <1 | --- |
| Aluminum   | ppm | <b>2</b>     | <1 | 0  | --- |
| Chromium   | ppm | <b>&lt;1</b> | 0  | <1 | --- |
| Molybdenum | ppm | <b>&lt;1</b> | 0  | <1 | --- |
| Nickel     | ppm | <b>&lt;1</b> | 0  | <1 | --- |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 0  | --- |
| Silver     | ppm | <b>0</b>     | 0  | 0  | --- |
| Manganese  | ppm | <b>5</b>     | 4  | 4  | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>83</b>  | 70  | 72  | --- |
| Magnesium  | ppm | <b>1</b>   | 0   | 1   | --- |
| Zinc       | ppm | <b>17</b>  | 12  | 13  | --- |
| Phosphorus | ppm | <b>168</b> | 176 | 178 | --- |
| Barium     | ppm | <b>3</b>   | 0   | 6   | --- |
| Boron      | ppm | <b>87</b>  | 75  | 80  | --- |

**Depot:** VOLVO0093  
**Unique No:** 10940939  
**Signed:** Don Baldrige  
**Report Date:** 26 Mar 2024



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## GRAPHS

