



# CONSTRUCTION EQUIPMENT

## A10672 VOLVO L180H 5446 - TRANSMISSION (AUTO)



**Sample No:** VCP416344  
**Oil Type:** MOBIL AT 102  
**Job No:** A10672



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP416344</b>   | VCP399125   | --- | --- |
| Sample Date   | <b>10 Jul 2023</b> | 03 Feb 2023 | --- | --- |
| Machine Hours | <b>6010</b>        | 5041        | --- | --- |
| Oil Hours     | <b>2000</b>        | 0           | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | --- | --- |
| Sample Status | <b>NORMAL</b>      | ABNORMAL    | --- | --- |

**COVANTA METAL MARKETING LLC**  
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 US 19030  
 Contact: J.P.



### OIL CONDITION

|             |     |             |        |     |     |
|-------------|-----|-------------|--------|-----|-----|
| Visc @ 40°C | cSt | <b>26.3</b> | ▲ 20.4 | --- | --- |
|-------------|-----|-------------|--------|-----|-----|

T:  
F:



### CONTAMINATION

|           |     |              |    |     |     |
|-----------|-----|--------------|----|-----|-----|
| Silicon   | ppm | <b>3</b>     | 3  | --- | --- |
| Sodium    | ppm | <b>2</b>     | <1 | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | 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>22</b>    | 20 | --- | --- |
| Copper     | ppm | <b>3</b>     | 2  | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Chromium   | ppm | <b>0</b>     | 0  | --- | --- |
| Molybdenum | ppm | <b>0</b>     | <1 | --- | --- |
| Nickel     | ppm | <b>0</b>     | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>2</b>     | 1  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>88</b>    | 82  | --- | --- |
| Magnesium  | ppm | <b>&lt;1</b> | 2   | --- | --- |
| Zinc       | ppm | <b>3</b>     | 9   | --- | --- |
| Phosphorus | ppm | <b>215</b>   | 203 | --- | --- |
| Barium     | ppm | <b>0</b>     | 0   | --- | --- |
| Boron      | ppm | <b>87</b>    | 97  | --- | --- |

**Depot:** COVFAI  
**Unique No:** 10560402  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

