

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 156991 - Transmission (Manual)

Sample No: LH0285077

Oil Type: TDTO FLUID SAE 10W



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0285077   | --- | --- | --- |
| Sample Date   | 04 Mar 2024 | --- | --- | --- |
| Machine Hours | 1005        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |



#### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 47.9 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



#### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | ● 4  | --- | --- | --- |
| Sodium    | ppm | ● 44 | --- | --- | --- |
| Potassium | ppm | ● 3  | --- | --- | --- |



#### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 13 | --- | --- | --- |
| Copper     | ppm | ● 17 | --- | --- | --- |
| Lead       | ppm | ● <1 | --- | --- | --- |
| Tin        | ppm | ● <1 | --- | --- | --- |
| Aluminum   | ppm | ● 5  | --- | --- | --- |
| Chromium   | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● 0  | --- | --- | --- |
| Nickel     | ppm | ● <1 | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | ● 0  | --- | --- | --- |
| Manganese  | ppm | ● 24 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



#### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ● 3260 | --- | --- | --- |
| Magnesium  | ppm | ● 9    | --- | --- | --- |
| Zinc       | ppm | ● 1111 | --- | --- | --- |
| Phosphorus | ppm | ● 1065 | --- | --- | --- |
| Barium     | ppm | ● 1    | --- | --- | --- |
| Boron      | ppm | ● 3    | --- | --- | --- |

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 10W. Please confirm.

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: LIEMIS  
 Unique No: 5737085  
 Signed: Wes Davis  
 Report Date: 05 Mar 2024



### GRAPHS

