

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 147180 - Splitter Box

Sample No: LH0274835

Oil Type: GEAR OIL SAE 80W90



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

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0274835   | --- | --- | --- |
| Sample Date   | 04 Oct 2023 | --- | --- | --- |
| Machine Hours | 512         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |



#### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 194 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



#### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | ● <1 | --- | --- | --- |
| Sodium    | ppm | ● 4  | --- | --- | --- |
| Potassium | ppm | ● 2  | --- | --- | --- |



#### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 35 | --- | --- | --- |
| Copper     | ppm | ● 2  | --- | --- | --- |
| Lead       | ppm | ● <1 | --- | --- | --- |
| Tin        | ppm | ● 0  | --- | --- | --- |
| Aluminum   | ppm | ● <1 | --- | --- | --- |
| Chromium   | ppm | ● 0  | --- | --- | --- |
| Molybdenum | ppm | ● 0  | --- | --- | --- |
| Nickel     | ppm | ● <1 | --- | --- | --- |
| Titanium   | ppm | ● 0  | --- | --- | --- |
| Silver     | ppm | ● <1 | --- | --- | --- |
| Manganese  | ppm | ● 4  | --- | --- | --- |
| Vanadium   | ppm | ● 0  | --- | --- | --- |



#### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ● 9    | --- | --- | --- |
| Magnesium  | ppm | ● 3    | --- | --- | --- |
| Zinc       | ppm | ● 25   | --- | --- | --- |
| Phosphorus | ppm | ● 1526 | --- | --- | --- |
| 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) GEAR OIL SAE 80W90. Please confirm.

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.

Depot: LIEMIS  
 Unique No: 5656316  
 Signed: Wes Davis  
 Report Date: 05 Oct 2023



### GRAPHS

