

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[20230458]] LIEBHERR LH30M 145272-1253 - Front Left Wheel

Sample No: LH0250155

Oil Type: GEAR OIL LS 80W90



#### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0250155   | LH0250169   | --- | --- |
| Sample Date   | 08 Sep 2023 | 05 Jun 2023 | --- | --- |
| Machine Hours | 1004        | 500         | --- | --- |
| Oil Hours     | 0           | 500         | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | NORMAL      | NORMAL      | --- | --- |

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### OIL CONDITION

|             |     |     |      |     |     |
|-------------|-----|-----|------|-----|-----|
| Visc @ 40°C | cSt | 170 | 64.6 | --- | --- |
|-------------|-----|-----|------|-----|-----|

T:  
F:



#### CONTAMINATION

|           |     |   |    |     |     |
|-----------|-----|---|----|-----|-----|
| Silicon   | ppm | 2 | 6  | --- | --- |
| Sodium    | ppm | 4 | 19 | --- | --- |
| Potassium | ppm | 1 | 1  | --- | --- |

#### 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 LS 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.



#### WEAR METALS

|            |     |    |    |     |     |
|------------|-----|----|----|-----|-----|
| Iron       | ppm | 8  | 19 | --- | --- |
| Copper     | ppm | 2  | 19 | --- | --- |
| Lead       | ppm | <1 | 1  | --- | --- |
| Tin        | ppm | 0  | 0  | --- | --- |
| Aluminum   | ppm | <1 | <1 | --- | --- |
| Chromium   | ppm | 0  | <1 | --- | --- |
| Molybdenum | ppm | 0  | 0  | --- | --- |
| Nickel     | ppm | 0  | <1 | --- | --- |
| Titanium   | ppm | 0  | <1 | --- | --- |
| Silver     | ppm | 0  | 0  | --- | --- |
| Manganese  | ppm | <1 | <1 | --- | --- |
| Vanadium   | ppm | 0  | 0  | --- | --- |



#### ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 403  | 3899 | --- | --- |
| Magnesium  | ppm | 2    | 10   | --- | --- |
| Zinc       | ppm | 200  | 1490 | --- | --- |
| Phosphorus | ppm | 2213 | 1294 | --- | --- |
| Barium     | ppm | 0    | <1   | --- | --- |
| Boron      | ppm | 10   | 103  | --- | --- |

Depot: IND550WIN  
Unique No: 5645168  
Signed: Wes Davis  
Report Date: 21 Sep 2023



### GRAPHS

