

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Swing Drive

Sample No: LH0241898

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**

474 ROUTE 105

BOIS-FRANC, QC

CA J9E 3A9

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#### INFORMATION SUR L'ÉCHANTILLON

| Número d'échant.     | LH0241898   | LH0241874   | LH0239955   | LH0241862   |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant.       | 01 Mar 2024 | 31 Oct 2023 | 04 Sep 2023 | 06 Jul 2023 |
| Heures de la Machine | 3900        | 2739        | 2265        | 1668        |
| Heures de l'huile    | 0           | 0           | 0           | 0           |
| Huile changée        | Changed     | Changed     | Changed     | Changed     |
| Statut de l'échant.  | NORMAL      | NORMAL      | NORMAL      | NORMAL      |



#### ÉTAT D'HUILE

| Visc 40°C | cSt | 179 | 155 | 107 | 168 |
|-----------|-----|-----|-----|-----|-----|
|           |     |     |     |     |     |



#### CONTAMINATION

| Eau       | %   | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicium  | ppm | <1  | 0   | <1  | <1  |
| Sodium    | ppm | <1  | <1  | <1  | 1   |
| Potassium | ppm | <1  | 2   | 0   | <1  |



#### MÉTAUX D'USURE

|           |     |    |    |    |    |
|-----------|-----|----|----|----|----|
| Fer       | ppm | 87 | 21 | 31 | 56 |
| Cuivre    | ppm | 23 | 17 | 36 | 41 |
| Plomb     | ppm | 0  | <1 | <1 | <1 |
| Étain     | ppm | 1  | <1 | 1  | 1  |
| Aluminium | ppm | <1 | <1 | <1 | <1 |
| Chrome    | ppm | <1 | 0  | <1 | <1 |
| Molybdène | ppm | 0  | 0  | 0  | 0  |
| Nickel    | ppm | 0  | <1 | <1 | <1 |
| Titane    | ppm | 0  | 0  | 0  | 0  |
| Argent    | ppm | 0  | 0  | <1 | 0  |
| Manganèse | ppm | 0  | 0  | 0  | <1 |
| Vanadium  | ppm | 0  | 0  | 0  | 0  |



#### ADDITIFS

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Calcium   | ppm | 4    | 4    | 3    | 7    |
| Magnésium | ppm | <1   | <1   | 0    | <1   |
| Zinc      | ppm | 8    | 5    | 7    | 12   |
| Phosphore | ppm | 2288 | 2001 | 1174 | 2266 |
| Baryum    | ppm | 0    | 0    | <1   | <1   |
| Bore      | ppm | 7    | 31   | 121  | 19   |

#### Diagnostic

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.

Depot: HUBBOI

Unique No: 5750507

Signed: Wes Davis

Report Date: 28 Mar 2024



### GRAPHS

