

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH22M 146587-1250 - Front Differential

Sample No: LH0282648

Oil Type: LIEBHERR GEAR BASIC 90 LS



**CONTENEUR ROSE INC.**  
89 RUE MORANE  
LAVAL, QC  
CA H7M 1R5  
Contact: Service Manager



#### Information sur l'échantillon

|                      |             |             |             |     |
|----------------------|-------------|-------------|-------------|-----|
| Numéro d'échant.     | LH0282648   | LH0279508   | LH          | --- |
| Date d'échant.       | 05 Dec 2023 | 05 Dec 2023 | 28 Aug 2023 | --- |
| Heures de la Machine | 2000        | 1259        | 574         | --- |
| Heures de l'huile    | 1000        | 0           | 0           | --- |
| Huile changée        | Changed     | N/A         | N/A         | --- |
| Statut de l'échant.  | NORMAL      | NORMAL      | NORMAL      | --- |



#### État d'huile

|           |     |     |      |      |     |
|-----------|-----|-----|------|------|-----|
| Visc 40°C | cSt | 185 | 99.3 | 64.8 | --- |
|-----------|-----|-----|------|------|-----|



#### Contamination

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Eau       | %   | NEG | NEG | NEG | --- |
| Silicium  | ppm | 0   | <1  | 10  | --- |
| Sodium    | ppm | 1   | 2   | 15  | --- |
| Potassium | ppm | 0   | 0   | <1  | --- |



#### Métaux d'usure

|           |     |    |    |    |     |
|-----------|-----|----|----|----|-----|
| Fer       | ppm | 8  | 16 | 21 | --- |
| Cuivre    | ppm | <1 | <1 | 1  | --- |
| Plomb     | ppm | 0  | 0  | 0  | --- |
| Étain     | ppm | 0  | 0  | 0  | --- |
| Aluminium | ppm | 0  | <1 | 1  | --- |
| Chrome    | ppm | 0  | 0  | <1 | --- |
| Molybdène | ppm | 0  | 0  | <1 | --- |
| Nickel    | ppm | <1 | <1 | <1 | --- |
| Titane    | ppm | 0  | 0  | 0  | --- |
| Argent    | ppm | 0  | <1 | 0  | --- |
| Manganèse | ppm | <1 | <1 | 10 | --- |
| Vanadium  | ppm | 0  | 0  | 0  | --- |



#### Additifs

|           |     |      |     |      |     |
|-----------|-----|------|-----|------|-----|
| Calcium   | ppm | 17   | 119 | 3565 | --- |
| Magnésium | ppm | <1   | <1  | 11   | --- |
| Zinc      | ppm | 7    | 53  | 1429 | --- |
| Phosphore | ppm | 2203 | 668 | 1230 | --- |
| Baryum    | ppm | 0    | <1  | <1   | --- |
| Bore      | ppm | <1   | 6   | 108  | --- |

T:  
F:

#### 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: CON89LAV  
Unique No: 5773196  
Signed: Wes Davis  
Report Date: 29 Apr 2024



### Graphs

