

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341437)] LIEBHERR LH50M 128335-1216 - Swing Drive

Sample No: LH0266033

Oil Type: GEAR OIL SAE 75W90



COMBINED METAL INDUSTRIES-PUBLIC YARD  
129 FENMAR DR  
TORONTO, ON  
CA M9L 1M7  
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#### INFORMATION SUR L'ÉCHANTILLON

| Numéro d'échant.     | LH0266033   | LH0251795   | LH0242437   | LH          |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant.       | 25 Jul 2023 | 22 Feb 2023 | 12 Nov 2022 | 24 Jun 2022 |
| Heures de la Machine | 9871        | 8255        | 7200        | 5635        |
| 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 | 101 | 100 | 101 | 105 |
|-----------|-----|-----|-----|-----|-----|
|           |     |     |     |     |     |



#### CONTAMINATION

| Silicium  | ppm | 3  | 1  | 2  | 4 |
|-----------|-----|----|----|----|---|
| Sodium    | ppm | <1 | <1 | <1 | 3 |
| Potassium | ppm | 0  | <1 | <1 | 2 |



#### MÉTAUX D'USURE

|           |     |    |    |     |     |
|-----------|-----|----|----|-----|-----|
| Fer       | ppm | 69 | 64 | 324 | 311 |
| Cuivre    | ppm | 28 | 18 | 35  | 87  |
| Plomb     | ppm | <1 | <1 | <1  | 3   |
| Étain     | ppm | <1 | <1 | <1  | <1  |
| Aluminium | ppm | <1 | <1 | <1  | <1  |
| Chrome    | ppm | <1 | <1 | 4   | 4   |
| Molybdène | ppm | 0  | 0  | <1  | <1  |
| Nickel    | ppm | <1 | <1 | 1   | 1   |
| Titane    | ppm | 0  | 0  | 0   | 0   |
| Argent    | ppm | 0  | 0  | 0   | 0   |
| Manganèse | ppm | <1 | <1 | 2   | 2   |
| Vanadium  | ppm | 0  | 0  | 0   | 0   |



#### ADDITIFS

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Calcium   | ppm | 11   | 9    | 10   | 19   |
| Magnésium | ppm | 3    | 1    | <1   | 2    |
| Zinc      | ppm | 16   | 13   | 14   | 18   |
| Phosphore | ppm | 1281 | 1321 | 1359 | 1421 |
| Baryum    | ppm | <1   | 0    | 0    | 2    |
| Bore      | ppm | 299  | 303  | 289  | 242  |

#### 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: COMTOR  
Unique No: 5617806  
Signed: Wes Davis  
Report Date: 27 Jul 2023



### GRAPHS

