

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(349193)] LIEBHERR L556 052705-1332 - Diesel Engine

Sample No: LH0259886

Oil Type: PETRO CANADA SUPREME 5W30



#### INFORMATION SUR L'ÉCHANTILLON

| Numéro d'échant.     | LH0259886   | LH0250628   | LH0192954   | LH0223898   |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant.       | 14 Sep 2023 | 05 Apr 2023 | 20 Sep 2022 | 16 Apr 2022 |
| Heures de la Machine | 10006       | 8174        | 6112        | 4000        |
| Heures de l'huile    | 0           | 0           | 0           | 0           |
| Huile changée        | Changed     | Changed     | Changed     | Changed     |
| Statut de l'échant.  | NORMAL      | NORMAL      | NORMAL      | NORMAL      |

**Eacom Timber Corporation**  
 100 Old Nairn Centre Road  
 Nairn Centre, ON  
 CA P0M 2L0  
 Contact: Service Manager



#### ÉTAT D'HUILE

| Visc 100°C     | cSt | 11.3 | 11.9 | 11.8 | 11.6 |
|----------------|-----|------|------|------|------|
| Oxydation (PA) | %   | 98   | 98   | 85   | 92   |

T:  
F:



#### CONTAMINATION

| % de suie        | %   | 0    | 0    | 0.6  | 0    |
|------------------|-----|------|------|------|------|
| Nitration (PA)   | %   | 89   | 90   | 89   | 94   |
| Sulfatation (PA) | %   | 64   | 64   | 58   | 64   |
| Glycol           | %   | NEG  | NEG  | NEG  | NEG  |
| Essence          | %   | <1.0 | <1.0 | <1.0 | <1.0 |
| Silicium         | ppm | 7    | 7    | 9    | 7    |
| Sodium           | ppm | 5    | 5    | 5    | 5    |
| Potassium        | ppm | 1    | 0    | 1    | 2    |

#### 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.



#### MÉTAUX D'USURE

| Fer       | ppm | 6  | 6  | 5  | 8  |
|-----------|-----|----|----|----|----|
| Cuivre    | ppm | 3  | 2  | 3  | 4  |
| Plomb     | ppm | <1 | <1 | <1 | <1 |
| Étain     | ppm | <1 | <1 | <1 | <1 |
| Aluminium | ppm | 2  | 1  | 2  | 1  |
| Chrome    | ppm | <1 | 0  | 0  | <1 |
| Molybdène | ppm | 60 | 59 | 60 | 60 |
| Nickel    | ppm | 0  | <1 | 0  | 0  |
| Titane    | ppm | 0  | <1 | <1 | <1 |
| Argent    | ppm | <1 | 0  | 0  | 0  |
| Manganèse | ppm | 0  | <1 | <1 | <1 |
| Vanadium  | ppm | 0  | 0  | 0  | 0  |



#### ADDITIFS

| Calcium   | ppm | 842  | 868  | 888  | 864  |
|-----------|-----|------|------|------|------|
| Magnésium | ppm | 1143 | 1101 | 1168 | 1161 |
| Zinc      | ppm | 1240 | 1183 | 1304 | 1288 |
| Phosphore | ppm | 1045 | 1102 | 1143 | 1110 |
| Baryum    | ppm | <1   | 0    | 0    | 0    |
| Bore      | ppm | 15   | 29   | 17   | 30   |

**Depot:** EACNAI  
**Unique No:** 5656162  
**Signed:** Wes Davis  
**Report Date:** 05 Oct 2023



### GRAPHS

