

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L538 NOUNITLH0265454 - Diesel Engine

Sample No: LH0265454

Oil Type: DIESEL ENGINE OIL SAE 40



#### INFORMATION SUR L'ÉCHANTILLON

|                      |             |     |     |     |
|----------------------|-------------|-----|-----|-----|
| Numéro d'échant.     | LH0265454   | --- | --- | --- |
| Date d'échant.       | 17 Jul 2023 | --- | --- | --- |
| Heures de la Machine | 0           | --- | --- | --- |
| Heures de l'huile    | 0           | --- | --- | --- |
| Huile changée        | N/A         | --- | --- | --- |
| Statut de l'échant.  | NORMAL      | --- | --- | --- |

**LIEBHERR CANADA LTEE**  
 4250 AUTOROUTE CHOMEDEY 13  
 LAVAL, QC  
 CA H7R 6E9  
 Contact: Stephane Plourde  
 Stephane.Plourde@liebherr.com  
 T: (450)963-7174  
 F: (450)963-9176



#### ÉTAT D'HUILE

|                |     |      |     |     |     |
|----------------|-----|------|-----|-----|-----|
| Visc 100°C     | cSt | 13.3 | --- | --- | --- |
| Oxydation (PA) | %   | 65   | --- | --- | --- |



#### CONTAMINATION

|                  |     |      |     |     |     |
|------------------|-----|------|-----|-----|-----|
| % de suie        | %   | 0    | --- | --- | --- |
| Nitration (PA)   | %   | 68   | --- | --- | --- |
| Sulfatation (PA) | %   | 57   | --- | --- | --- |
| Glycol           | %   | NEG  | --- | --- | --- |
| Essence          | %   | <1.0 | --- | --- | --- |
| Silicium         | ppm | 3    | --- | --- | --- |
| Sodium           | ppm | 6    | --- | --- | --- |
| Potassium        | ppm | 3    | --- | --- | --- |



#### MÉTAUX D'USURE

|           |     |    |     |     |     |
|-----------|-----|----|-----|-----|-----|
| Fer       | ppm | 10 | --- | --- | --- |
| Cuivre    | ppm | 5  | --- | --- | --- |
| Plomb     | ppm | <1 | --- | --- | --- |
| Étain     | ppm | 0  | --- | --- | --- |
| Aluminium | ppm | 2  | --- | --- | --- |
| Chrome    | ppm | <1 | --- | --- | --- |
| Molybdène | ppm | 12 | --- | --- | --- |
| Nickel    | ppm | <1 | --- | --- | --- |
| Titane    | ppm | <1 | --- | --- | --- |
| Argent    | ppm | 0  | --- | --- | --- |
| Manganèse | ppm | <1 | --- | --- | --- |
| Vanadium  | ppm | 0  | --- | --- | --- |



#### ADDITIFS

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Calcium   | ppm | 1878 | --- | --- | --- |
| Magnésium | ppm | 212  | --- | --- | --- |
| Zinc      | ppm | 1097 | --- | --- | --- |
| Phosphore | ppm | 980  | --- | --- | --- |
| Baryum    | ppm | 0    | --- | --- | --- |
| Bore      | ppm | 109  | --- | --- | --- |

#### Diagnostic

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 40. Veuillez confirmer. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

**Depot:** LIESTL  
**Unique No:** 5607602  
**Signed:** Wes Davis  
**Report Date:** 18 Jul 2023



### GRAPHS

