

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R930 056477-1716 - Right Final Drive

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



ENTREPRISES JONATHAN LECOURS  
7 RUE DE L'ANSE  
SAINTE-THECLE, QC  
CA G0X 3G0  
Contact: Service Manager



#### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH          | LH          | --- | --- |
| Sample Date   | 26 Dec 2023 | 11 Oct 2023 | --- | --- |
| Machine Hours | 1100        | 757         | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | NORMAL      | SEVERE      | --- | --- |



#### OIL CONDITION

|             |     |       |       |     |     |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 180 | ● 196 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



#### CONTAMINATION

|           |     |      |        |     |     |
|-----------|-----|------|--------|-----|-----|
| Water     | %   | NEG  | NEG    | --- | --- |
| Silicon   | ppm | ● 24 | ● 2536 | --- | --- |
| Sodium    | ppm | ● 5  | ● 219  | --- | --- |
| Potassium | ppm | ● 0  | ● 212  | --- | --- |



#### WEAR METALS

|            |     |       |        |     |     |
|------------|-----|-------|--------|-----|-----|
| PQ         |     | ---   | ● 4629 | --- | --- |
| Iron       | ppm | ● 337 | ● 6392 | --- | --- |
| Copper     | ppm | ● <1  | ● 3    | --- | --- |
| Lead       | ppm | ● 0   | ● 1    | --- | --- |
| Tin        | ppm | ● 0   | ● 0    | --- | --- |
| Aluminum   | ppm | ● 14  | ● 635  | --- | --- |
| Chromium   | ppm | ● 3   | ● 83   | --- | --- |
| Molybdenum | ppm | ● 0   | ● 3    | --- | --- |
| Nickel     | ppm | ● 1   | ● 5    | --- | --- |
| Titanium   | ppm | 5     | ● 44   | --- | --- |
| Silver     | ppm | 0     | <1     | --- | --- |
| Manganese  | ppm | ● 2   | ● 67   | --- | --- |
| Vanadium   | ppm | 0     | 1      | --- | --- |



#### ADDITIVES

|            |     |        |       |     |     |
|------------|-----|--------|-------|-----|-----|
| Calcium    | ppm | ● 20   | ● 187 | --- | --- |
| Magnesium  | ppm | ● 2    | 66    | --- | --- |
| Zinc       | ppm | ● 109  | 23    | --- | --- |
| Phosphorus | ppm | ● 2154 | 1096  | --- | --- |
| Barium     | ppm | ● <1   | 23    | --- | --- |
| Boron      | ppm | ● 2    | ● 28  | --- | --- |

T:  
F:

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. 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: ENT7SAI2  
Unique No: 5698484  
Signed: Wes Davis  
Report Date: 27 Dec 2023



### GRAPHS

