



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

|                |               |
|----------------|---------------|
| USURE          | <b>NORMAL</b> |
| CONTAMINATION  | <b>NORMAL</b> |
| ÉTAT DU FLUIDE | <b>NORMAL</b> |



Identité de la machine  
**LIEBHERR L566 030005-460**  
 Composant  
**Différentiel Arrière**  
 Fluide  
**SAE 75W90 (--- GAL)**

### RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>LH</b>          | LH0225369   | LH0069958   |
| Date d'échant.      |     | Client Info |           | <b>28 Aug 2023</b> | 29 Apr 2022 | 14 Mar 2015 |
| Âge d la Machine    | hrs | Client Info |           | <b>11540</b>       | 11232       | 3847        |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Huile changée       |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | N/A         |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | ABNORMAL    | NORMAL      |

### USURE

Les taux d'usure de tous les composants sont normaux.

|             |        |               |       |              |      |       |
|-------------|--------|---------------|-------|--------------|------|-------|
| Fer         | ppm    | ASTM D5185(m) | >1200 | <b>137</b>   | 68   | 22    |
| Chrome      | ppm    | ASTM D5185(m) | >20   | <b>3</b>     | 1    | <1    |
| Nickel      | ppm    | ASTM D5185(m) | >4    | <b>&lt;1</b> | <1   | 0     |
| Titane      | ppm    | ASTM D5185(m) |       | <b>0</b>     | 0    | 0     |
| Argent      | ppm    | ASTM D5185(m) |       | <b>0</b>     | 0    | 0     |
| Aluminium   | ppm    | ASTM D5185(m) | >5    | <b>&lt;1</b> | <1   | <1    |
| Plomb       | ppm    | ASTM D5185(m) | >4    | <b>0</b>     | <1   | 0     |
| Cuivre      | ppm    | ASTM D5185(m) | >40   | <b>2</b>     | 1    | <1    |
| Étain       | ppm    | ASTM D5185(m) | >4    | <b>0</b>     | 0    | 0     |
| Vanadium    | ppm    | ASTM D5185(m) |       | <b>0</b>     | 0    | 0     |
| Métal blanc | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE | VLITE |
| Bronze      | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE | NONE  |

### CONTAMINATION

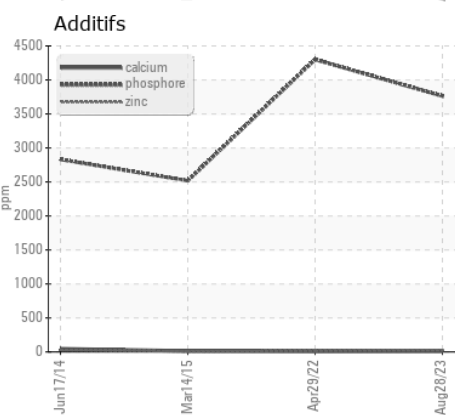
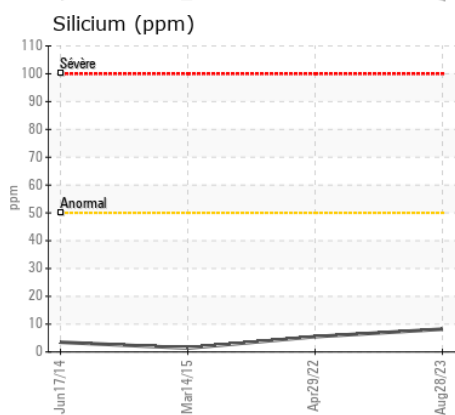
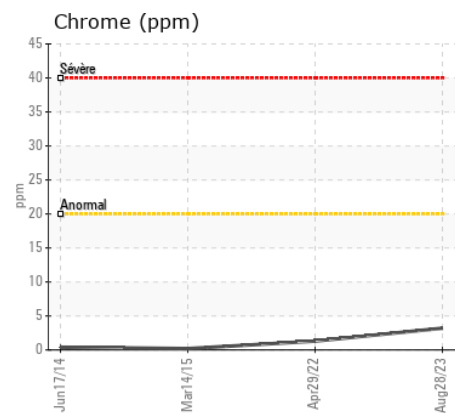
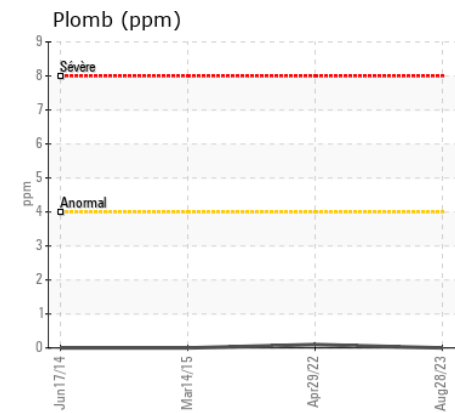
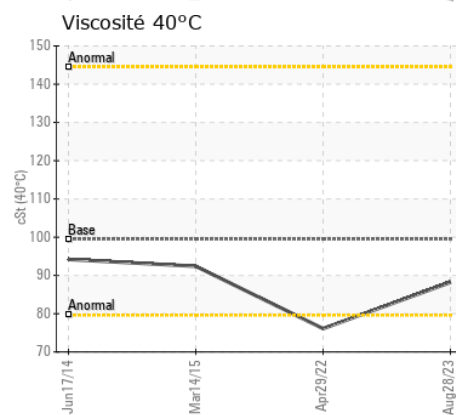
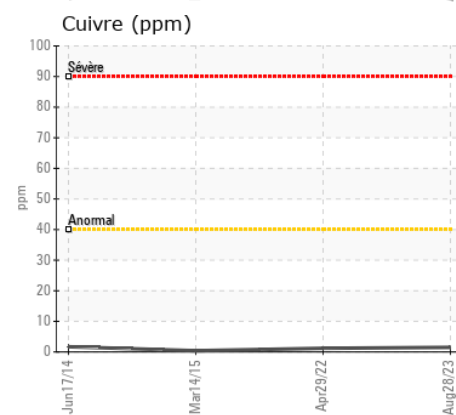
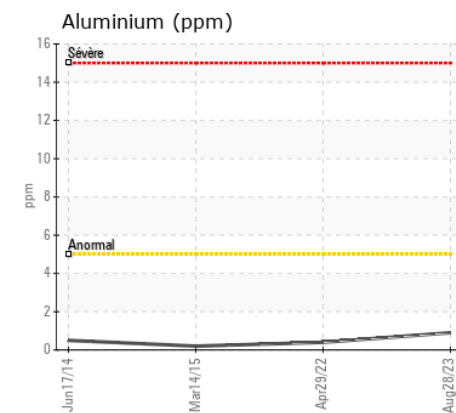
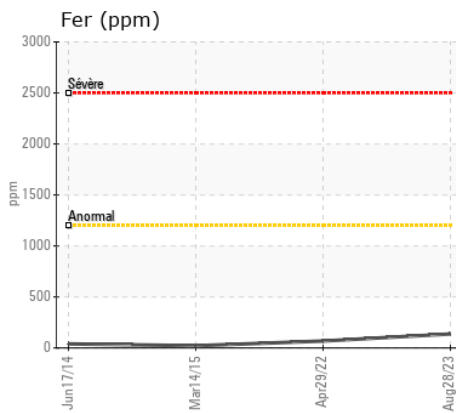
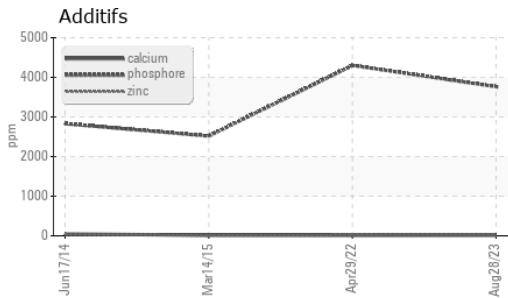
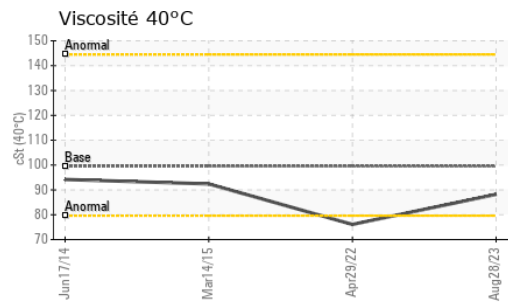
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >50   | <b>8</b>     | 6     | 1     |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>0</b>     | 0     | <1    |
| Limon          | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Débris         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | VLITE |
| Saleté         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Apparence      | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Odeur          | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Eau émulsifiée | scalar | Visual*       | >.2   | <b>NEG</b>   | NEG   | NEG   |

### ÉTAT DU FLUIDE

L'état de l'huile est acceptable pour la durée de service.

|           |     |               |       |              |       |       |
|-----------|-----|---------------|-------|--------------|-------|-------|
| Sodium    | ppm | ASTM D5185(m) |       | <b>2</b>     | 2     | <1    |
| Bore      | ppm | ASTM D5185(m) | 150   | <b>60</b>    | 74    | 307   |
| Baryum    | ppm | ASTM D5185(m) | 5     | <b>0</b>     | 0     | 0     |
| Molybdène | ppm | ASTM D5185(m) | 0     | <b>25</b>    | 13    | 11    |
| Manganèse | ppm | ASTM D5185(m) |       | <b>1</b>     | <1    | <1    |
| Magnésium | ppm | ASTM D5185(m) | 0     | <b>&lt;1</b> | 0     | 0     |
| Calcium   | ppm | ASTM D5185(m) | 20    | <b>11</b>    | 9     | 15    |
| Phosphore | ppm | ASTM D5185(m) | 1200  | <b>3763</b>  | 4301  | 2518  |
| Zinc      | ppm | ASTM D5185(m) | 25    | <b>26</b>    | 16    | 7     |
| Soufre    | ppm | ASTM D5185(m) | 22000 | <b>22705</b> | 21426 | 21270 |
| Visc 40°C | cSt | ASTM D7279(m) | 99.5  | <b>88.2</b>  | 76.1  | 92.4  |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **TERMINAL MARITIME SOREL TRACY**  
**N° d'échantillon** : LH **Reçu** : 31 Aug 2023 **59 RUE ETIENNE**  
**N° de laboratoire** : 02579755 **Diagnostiqué** : 01 Sep 2023 **SAINT- JOSEPH-DE SOREL, QC**  
**Numéro unique** : 5632815 **Diagnostiqueur** : Kevin Marson **CA J3R 5H8**  
**Analyse** : MOB 1 **Contact**: Andre Bergeren

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.