



# 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 L550 026181**

Composant  
**Boîte de séparation**

Fluide  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (3 LTR)**

### 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>LH0224280</b>   | LH0238572   | LH0101664   |
| Date d'échant.      |     | Client Info |           | <b>29 Jun 2023</b> | 14 Nov 2022 | 11 Jan 2016 |
| Âge d la Machine    | hrs | Client Info |           | <b>29565</b>       | 29292       | 27472       |
| 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>Changed</b>     | Changed     | Changed     |
| 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) | >100 | <b>22</b>    | 9     | 16    |
| Chrome      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | 0     | <1    |
| Nickel      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1    | 0     |
| Titane      | ppm    | ASTM D5185(m) |      | <b>&lt;1</b> | <1    | 0     |
| Argent      | ppm    | ASTM D5185(m) |      | <b>3</b>     | 0     | 0     |
| Aluminium   | ppm    | ASTM D5185(m) | >20  | <b>2</b>     | <1    | <1    |
| Plomb       | ppm    | ASTM D5185(m) | >30  | <b>&lt;1</b> | <1    | 0     |
| Cuivre      | ppm    | ASTM D5185(m) | >20  | <b>1</b>     | 1     | <1    |
| Étain       | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0     | 0     |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0     | 0     |
| Métal blanc | scalar | Visual*       | NONE | <b>VLITE</b> | VLITE | LTMOD |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE  | NONE  |

### CONTAMINATION

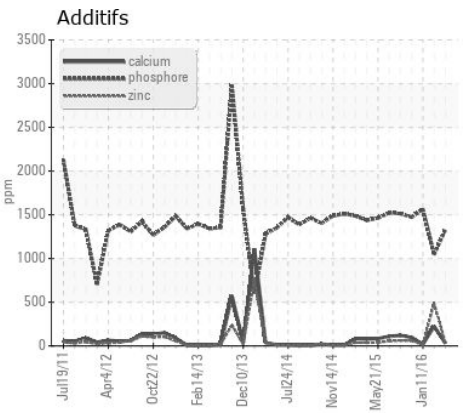
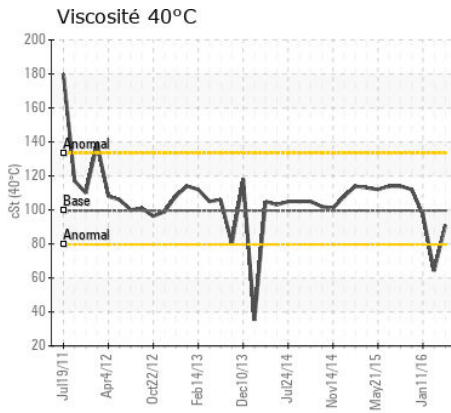
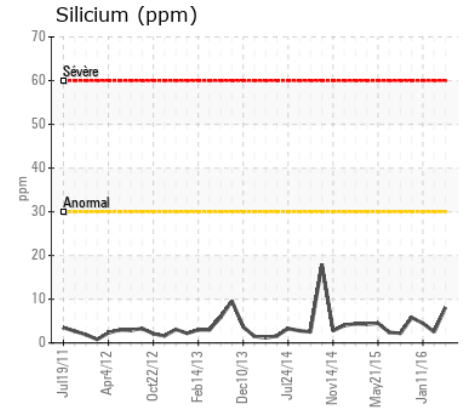
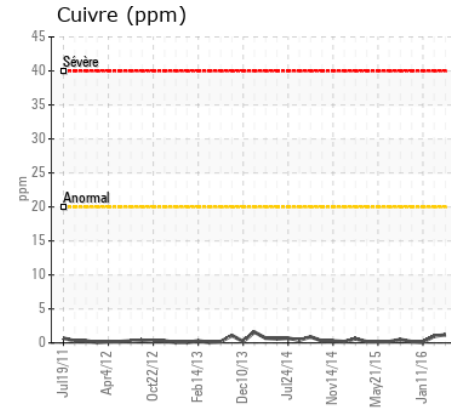
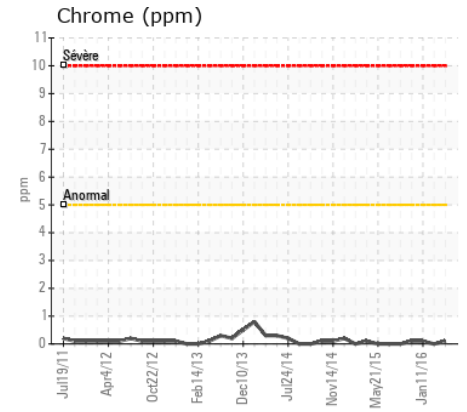
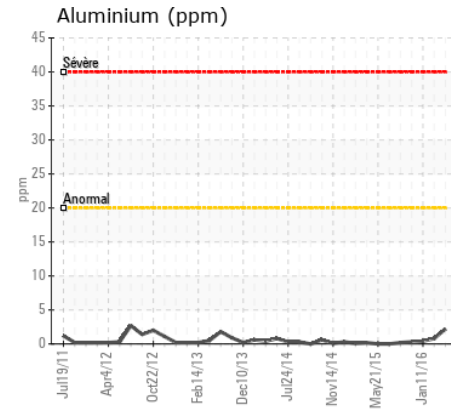
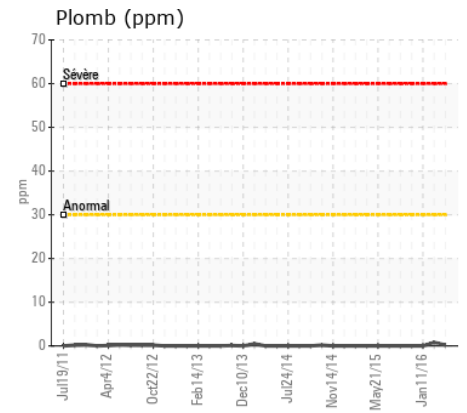
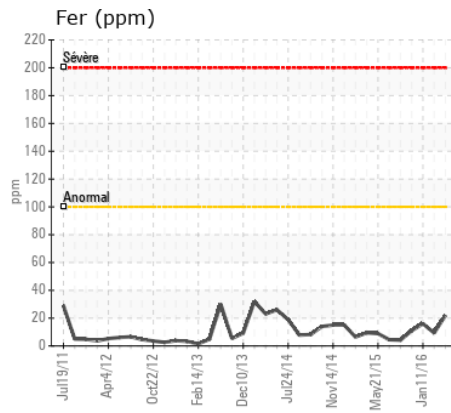
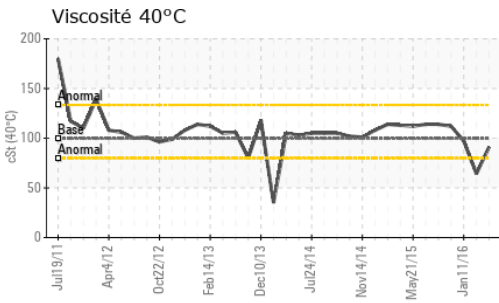
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >30   | <b>8</b>     | 2     | 4     |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>1</b>     | <1    | 0     |
| Limon          | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Débris         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| 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*       | >0.1  | <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) | >25   | <b>6</b>     | 1       | 1     |
| Bore      | ppm | ASTM D5185(m) | 328   | <b>290</b>   | 146     | 267   |
| Baryum    | ppm | ASTM D5185(m) | 1     | <b>12</b>    | 0       | 0     |
| Molybdène | ppm | ASTM D5185(m) |       | <b>&lt;1</b> | 10      | 0     |
| Manganèse | ppm | ASTM D5185(m) |       | <b>&lt;1</b> | <1      | <1    |
| Magnésium | ppm | ASTM D5185(m) | 1     | <b>8</b>     | ▲ 107   | 0     |
| Calcium   | ppm | ASTM D5185(m) | 7     | <b>31</b>    | ▲ 225   | 19    |
| Phosphore | ppm | ASTM D5185(m) | 1145  | <b>1328</b>  | 1045    | 1565  |
| Zinc      | ppm | ASTM D5185(m) | 3     | <b>39</b>    | ▲ 492   | 11    |
| Soufre    | ppm | ASTM D5185(m) | 17909 | <b>20543</b> | ▲ 10916 | 24822 |
| Visc 40°C | cSt | ASTM D7279(m) | 99.6  | <b>91.1</b>  | ▲ 64.2  | 97.3  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0224280  
**N° de laboratoire** : 02569816  
**Numéro unique** : 5606862  
**Analyse** : MOB 1

**Reçu** : 13 Jul 2023  
**Diagnostiqué** : 13 Jul 2023  
**Diagnostiqueur** : Wes Davis

**LANGE'S ROCK FARM**  
 2879 BARSS CORNER RD  
 BARSS CORNER, NS  
 CA B0R 1A0  
 Contact: Service Manager

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.  
 Validity of results and interpretation are based on the sample and information as supplied.

T:  
F: