



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

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



Identité de la machine

**OR1855**

Composant

**Moyeu de roue Arrière droit**

Fluide

**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)**

### RECOMMANDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
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>LH0261141</b>   | LH0239097   | ---      |
| Date d'échant.      |     | Client Info |           | <b>12 Jul 2023</b> | 01 Nov 2022 | ---      |
| Âge d la Machine    | hrs | Client Info |           | <b>0</b>           | 530         | ---      |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | Changed     | ---      |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | N/A         | ---      |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

### USURE

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

|             |        |               |      |              |      |     |
|-------------|--------|---------------|------|--------------|------|-----|
| Fer         | ppm    | ASTM D5185(m) | >650 | <b>16</b>    | 15   | --- |
| Chrome      | ppm    | ASTM D5185(m) | >4   | <b>&lt;1</b> | <1   | --- |
| Nickel      | ppm    | ASTM D5185(m) | >4   | <b>0</b>     | <1   | --- |
| Titane      | ppm    | ASTM D5185(m) | >4   | <b>0</b>     | <1   | --- |
| Argent      | ppm    | ASTM D5185(m) |      | <b>&lt;1</b> | 0    | --- |
| Aluminium   | ppm    | ASTM D5185(m) | >25  | <b>&lt;1</b> | <1   | --- |
| Plomb       | ppm    | ASTM D5185(m) | >4   | <b>&lt;1</b> | 0    | --- |
| Cuivre      | ppm    | ASTM D5185(m) | >60  | <b>3</b>     | 3    | --- |
| Étain       | ppm    | ASTM D5185(m) | >4   | <b>0</b>     | 0    | --- |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | --- |
| Métal blanc | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | --- |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | --- |

### CONTAMINATION

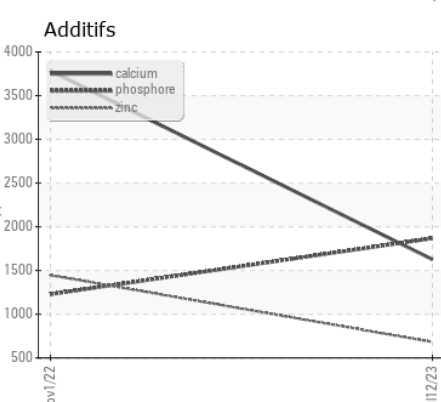
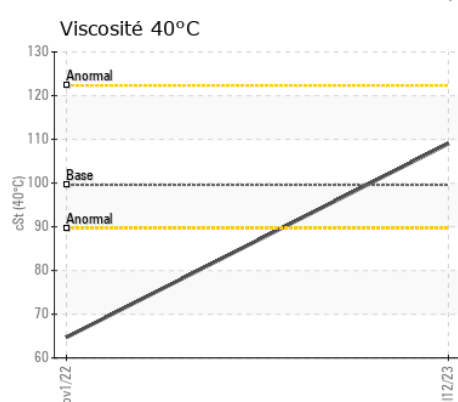
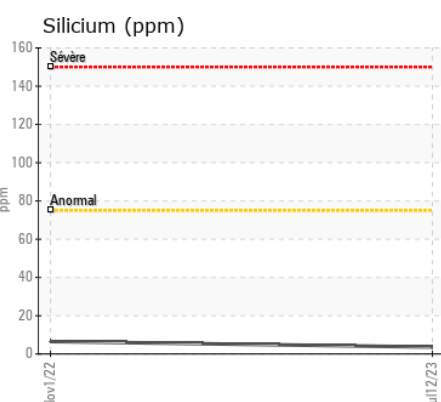
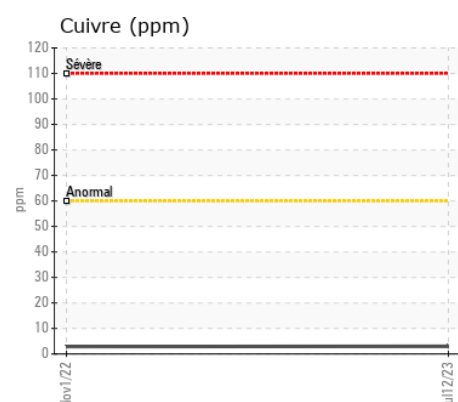
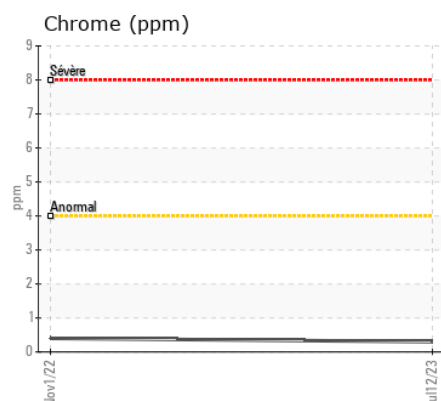
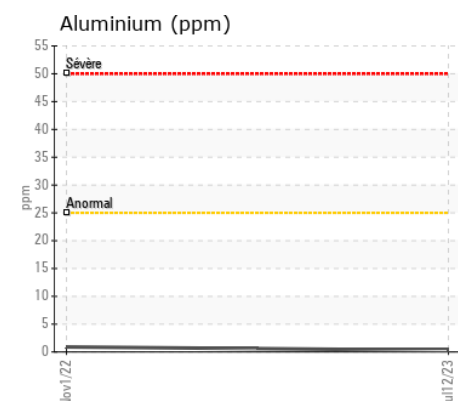
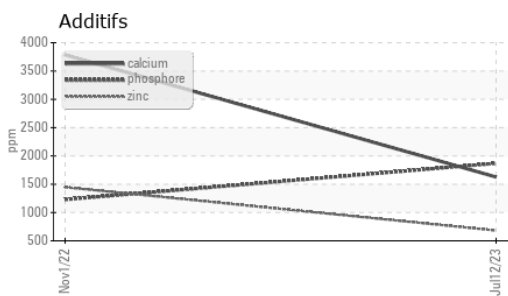
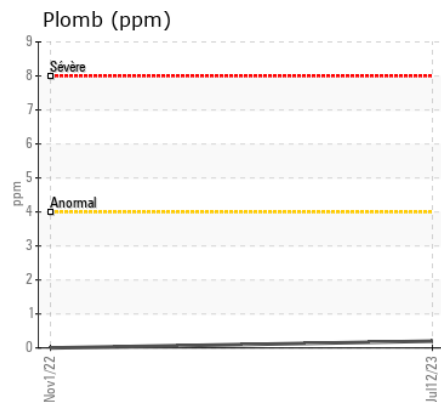
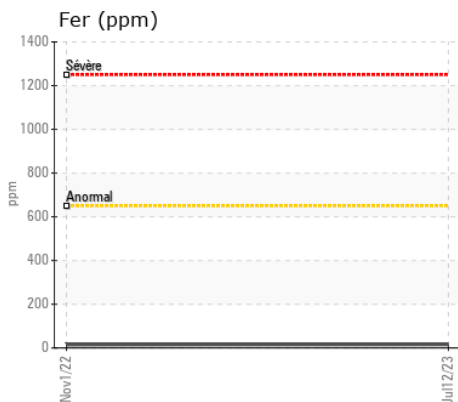
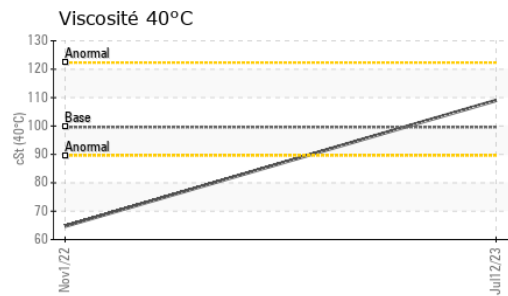
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |     |
|----------------|--------|---------------|-------|--------------|-------|-----|
| Silicium       | ppm    | ASTM D5185(m) | >75   | <b>4</b>     | 6     | --- |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>&lt;1</b> | <1    | --- |
| Limon          | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | --- |
| Débris         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | --- |
| Saleté         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | --- |
| Apparence      | scalar | Visual*       | NORML | <b>NORML</b> | NORML | --- |
| Odeur          | scalar | Visual*       | NORML | <b>NORML</b> | NORML | --- |
| Eau émulsifiée | scalar | Visual*       | >0.2  | <b>NEG</b>   | NEG   | --- |

### ÉTAT DU FLUIDE

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

|           |     |               |       |              |      |     |
|-----------|-----|---------------|-------|--------------|------|-----|
| Sodium    | ppm | ASTM D5185(m) |       | <b>9</b>     | 16   | --- |
| Bore      | ppm | ASTM D5185(m) | 328   | <b>44</b>    | 106  | --- |
| Baryum    | ppm | ASTM D5185(m) | 1     | <b>&lt;1</b> | 0    | --- |
| Molybdène | ppm | ASTM D5185(m) |       | <b>0</b>     | 0    | --- |
| Manganèse | ppm | ASTM D5185(m) |       | <b>1</b>     | 2    | --- |
| Magnésium | ppm | ASTM D5185(m) | 1     | <b>5</b>     | 10   | --- |
| Calcium   | ppm | ASTM D5185(m) | 7     | <b>1627</b>  | 3784 | --- |
| Phosphore | ppm | ASTM D5185(m) | 1145  | <b>1868</b>  | 1229 | --- |
| Zinc      | ppm | ASTM D5185(m) | 3     | <b>681</b>   | 1447 | --- |
| Soufre    | ppm | ASTM D5185(m) | 17909 | <b>14550</b> | 3170 | --- |
| Visc 40°C | cSt | ASTM D7279(m) | 99.6  | <b>109</b>   | 64.7 | --- |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 766 -Drummondville -Hauling - Solid Waste  
**N° d'échantillon** : LH0261141 **Reçu** : 14 Jul 2023  
**N° de laboratoire** : 02570203 **Diagnostiqué** : 14 Jul 2023  
**Numéro unique** : 5607249 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1

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.

1005, rue Rhea,  
 Drummondville, QC  
 CA J2B 8A9  
 Contact: Eric Duchesneau  
 EDuchesneau@matrec.ca  
 T: (819)395-4355  
 F: