



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**05168**

Composant

**Différentiel Arrière**

Fluid

**PETRO CANADA DURATRAN (--- GAL)**

### RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>LH0234239</b>   | LH0223999   | LH0234226   |
| Date d'échant.      |     | Client Info |           | <b>05 Apr 2024</b> | 05 May 2023 | 25 Nov 2022 |
| Âge d la Machine    | hrs | Client Info |           | <b>33157</b>       | 29188       | 27175       |
| 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>      | NORMAL      | NORMAL      |

### USURE

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

|             |        |               |      |              |      |      |
|-------------|--------|---------------|------|--------------|------|------|
| Fer         | ppm    | ASTM D5185(m) | >500 | <b>19</b>    | 17   | 19   |
| Chrome      | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0    | 0    |
| Nickel      | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | <1   | <1   |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1   | <1   |
| Argent      | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| Aluminium   | ppm    | ASTM D5185(m) | >25  | <b>1</b>     | 1    | 1    |
| Plomb       | ppm    | ASTM D5185(m) | >25  | <b>0</b>     | 0    | <1   |
| Cuivre      | ppm    | ASTM D5185(m) | >100 | <b>&lt;1</b> | <1   | 2    |
| 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>NONE</b>  | NONE | NONE |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |

### CONTAMINATION

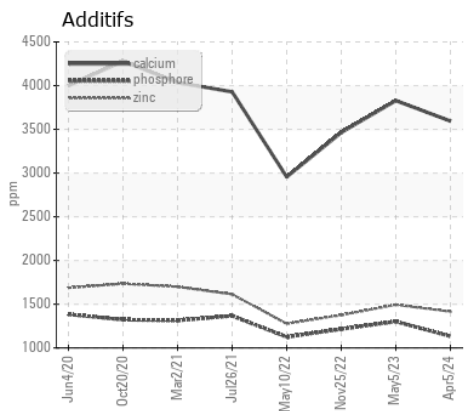
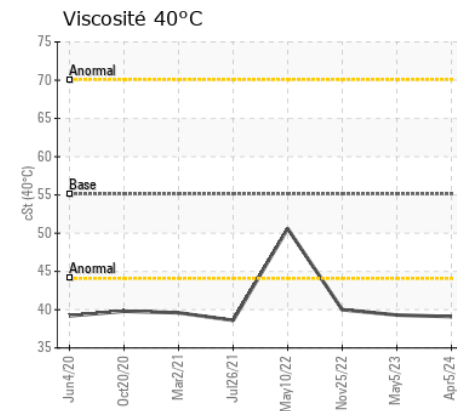
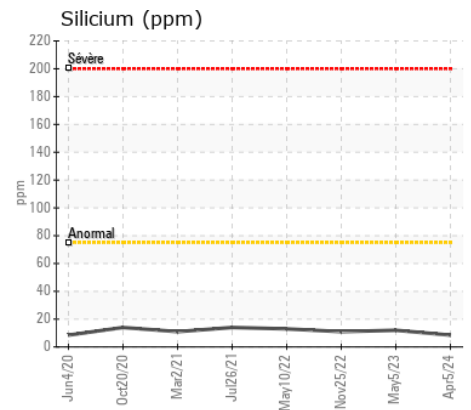
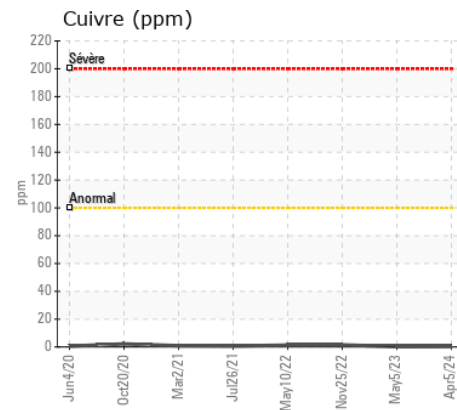
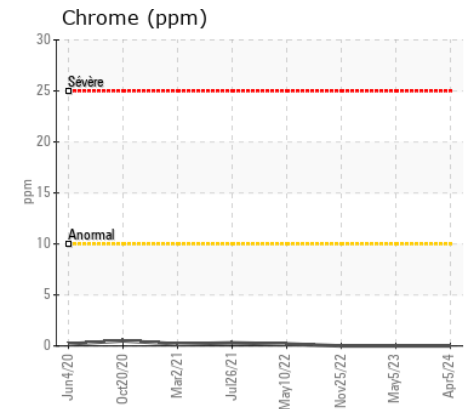
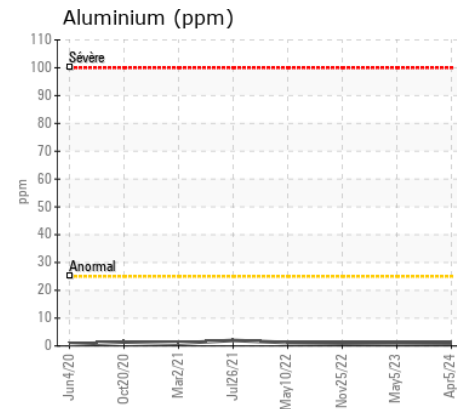
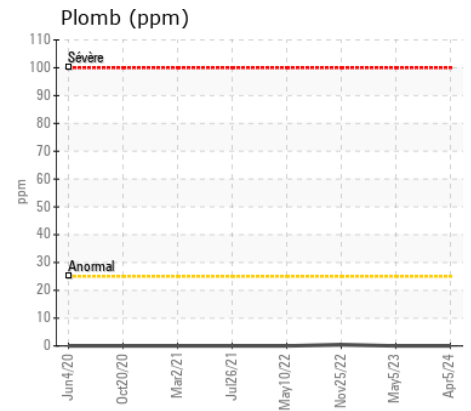
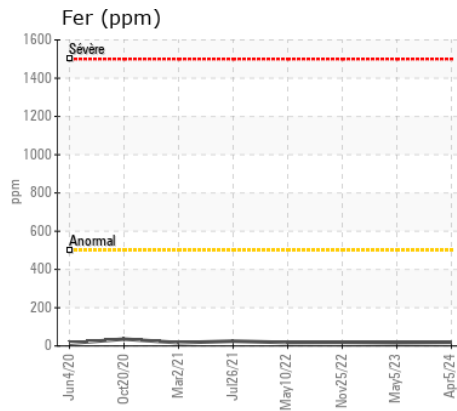
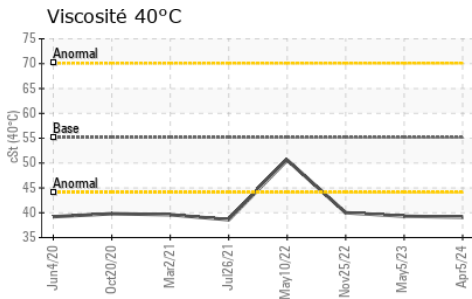
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >75   | <b>8</b>     | 12    | 11    |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>&lt;1</b> | 0     | 18    |
| L'eau          |        | WC Method     | >.2   | <b>NEG</b>   | NEG   | NEG   |
| 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*       | >.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>&lt;1</b> | <1   | 14   |
| Bore      | ppm | ASTM D5185(m) | 110   | <b>102</b>   | 106  | 101  |
| Baryum    | ppm | ASTM D5185(m) | 0.0   | <b>0</b>     | 0    | 0    |
| Molybdène | ppm | ASTM D5185(m) | 0.0   | <b>0</b>     | <1   | 1    |
| Manganèse | ppm | ASTM D5185(m) | 1     | <b>&lt;1</b> | <1   | <1   |
| Magnésium | ppm | ASTM D5185(m) | 13    | <b>20</b>    | 20   | 21   |
| Calcium   | ppm | ASTM D5185(m) | 3610  | <b>3595</b>  | 3829 | 3464 |
| Phosphore | ppm | ASTM D5185(m) | 1192  | <b>1133</b>  | 1302 | 1216 |
| Zinc      | ppm | ASTM D5185(m) | 1455  | <b>1416</b>  | 1494 | 1376 |
| Soufre    | ppm | ASTM D5185(m) | 2641  | <b>3083</b>  | 2981 | 3097 |
| Visc 40°C | cSt | ASTM D7279(m) | 55.14 | <b>39.1</b>  | 39.3 | 40.0 |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : LH0234239

**N° de laboratoire** : 02630683

**Numéro unique** : 5763815

**Analyse** : MOB 1

**Reçu** : 22 Apr 2024

**Tested** : 22 Apr 2024

**Diagnostiqué** : 22 Apr 2024 - Wes Davis

**Cooperative Forestiere Du Haut ST-Maurice (CFHSM)**

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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.