



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

| | |
|----------------|---------------|
| USURE | NORMAL |
| CONTAMINATION | NORMAL |
| ÉTAT DU FLUIDE | NORMAL |



Identité de la machine
LIEBHERR R914 047778-1511
 Composant
Moteur diesel
 Fluide
PETRO CANADA 10W40 (--- 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 | | LH0260719 | --- | --- |
| Date d'échant. | | Client Info | | 12 Sep 2023 | --- | --- |
| Âge d la Machine | hrs | Client Info | | 1794 | --- | --- |
| Âge de l'huile | hrs | Client Info | | 0 | --- | --- |
| Âge du filtre | hrs | Client Info | | 0 | --- | --- |
| Huile changée | | Client Info | | Changed | --- | --- |
| Filtre changé | | Client Info | | N/A | --- | --- |
| Statut de l'échant. | | | | NORMAL | --- | --- |

USURE

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

| | | | | | | |
|-----------|-----|---------------|------|--------------|-----|-----|
| Fer | ppm | ASTM D5185(m) | >100 | 20 | --- | --- |
| Chrome | ppm | ASTM D5185(m) | >5 | 2 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Titane | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | --- | --- |
| Aluminium | ppm | ASTM D5185(m) | >15 | 5 | --- | --- |
| Plomb | ppm | ASTM D5185(m) | >30 | <1 | --- | --- |
| Cuivre | ppm | ASTM D5185(m) | >125 | 3 | --- | --- |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |

CONTAMINATION

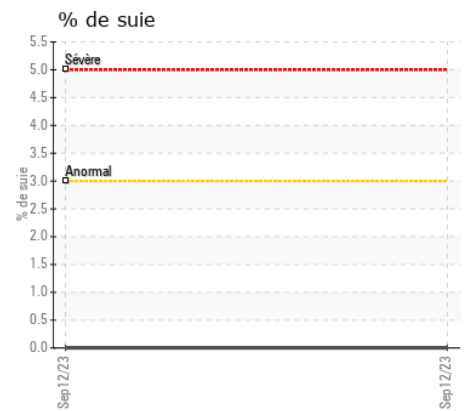
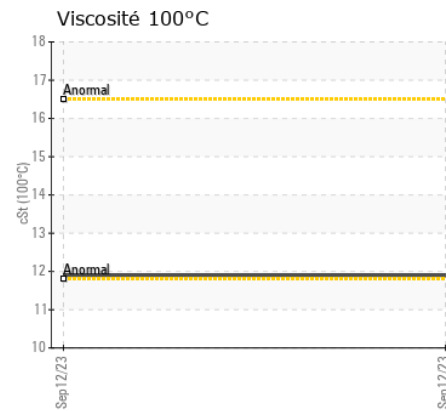
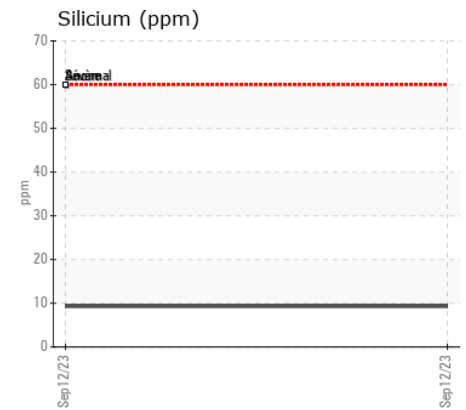
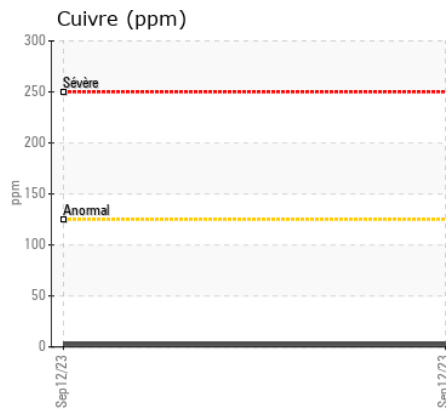
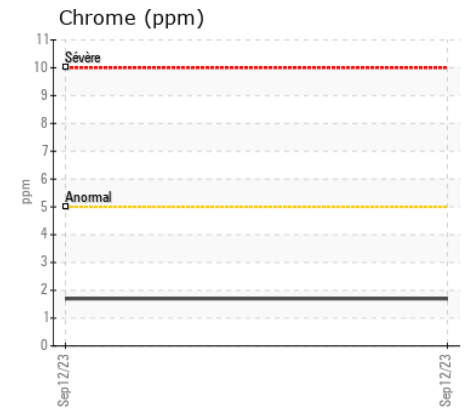
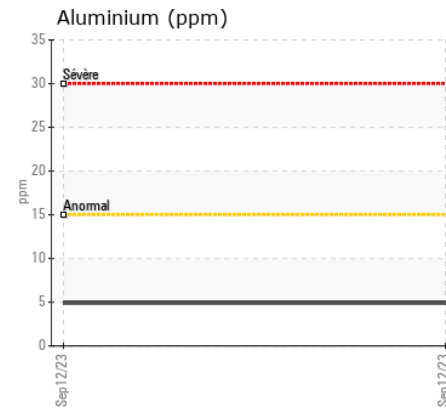
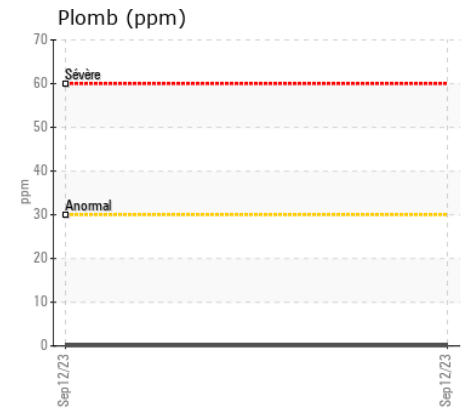
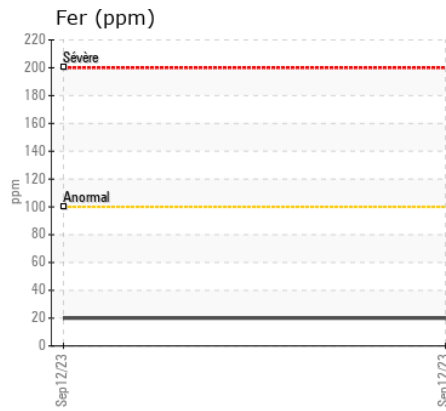
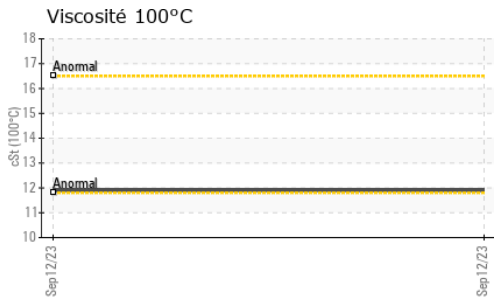
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|-----|-----|
| Silicium | ppm | ASTM D5185(m) | >60 | 9 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Essence | | WC Method | >5 | <1.0 | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| % de suie | % | ASTM D7844* | >3 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 7.5 | --- | --- |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 19.4 | --- | --- |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | --- | --- |

ÉTAT DU FLUIDE

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

| | | | | | | |
|------------|----------|---------------|-----|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Bore | ppm | ASTM D5185(m) | | 161 | --- | --- |
| Baryum | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdène | ppm | ASTM D5185(m) | | 38 | --- | --- |
| Manganèse | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Magnésium | ppm | ASTM D5185(m) | | 616 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 1375 | --- | --- |
| Phosphore | ppm | ASTM D5185(m) | | 881 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 969 | --- | --- |
| Soufre | ppm | ASTM D5185(m) | | 2602 | --- | --- |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 13.1 | --- | --- |
| Visc 100°C | cSt | ASTM D7279(m) | | 11.9 | --- | --- |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0260719 **Reçu** : 15 Sep 2023
N° de laboratoire : 02582691 **Diagnostiqué** : 15 Sep 2023
Numéro unique : 5643756 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1

L.A. HERBERT
 9700 PLACE JADE
 BROSSARD, QC
 CA J4Y 3C1
 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.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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F: