



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

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



Identité de la machine
LIEBHERR L550 026181
 Composant
Moteur diesel
 Fluide
PETRO CANADA 10W30 (30 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 | | LH0224279 | LH0250243 | LH0101663 |
| Date d'échant. | | Client Info | | 24 Jun 2023 | 11 Jan 2023 | 11 Jan 2016 |
| Âge d la Machine | hrs | Client Info | | 29565 | 29296 | 27472 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 0 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | Changed | Not Changd | Changed |
| Filtre changé | | Client Info | | N/A | N/A | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

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

| | | | | | | |
|-----------|-----|---------------|------|--------------|----|----|
| Fer | ppm | ASTM D5185(m) | >100 | 9 | 5 | 9 |
| Chrome | ppm | ASTM D5185(m) | >5 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | <1 | <1 | 0 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >15 | 1 | 1 | 3 |
| Plomb | ppm | ASTM D5185(m) | >30 | 2 | 2 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >125 | 5 | 8 | 4 |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

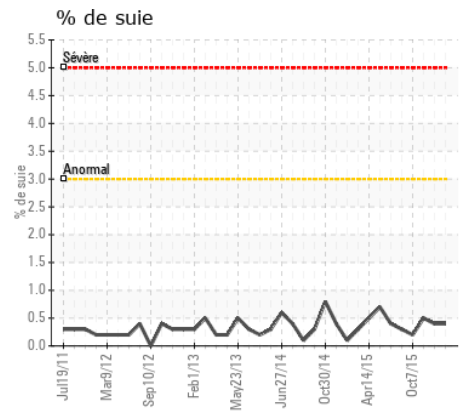
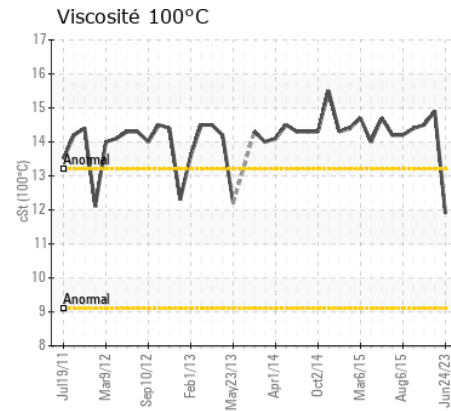
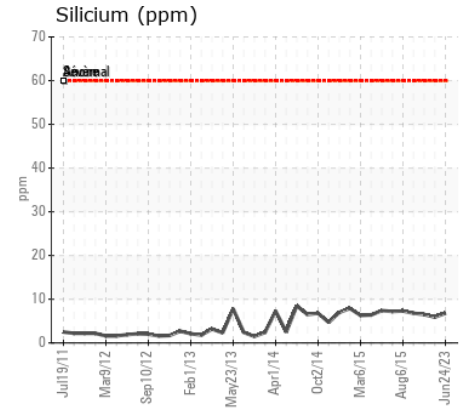
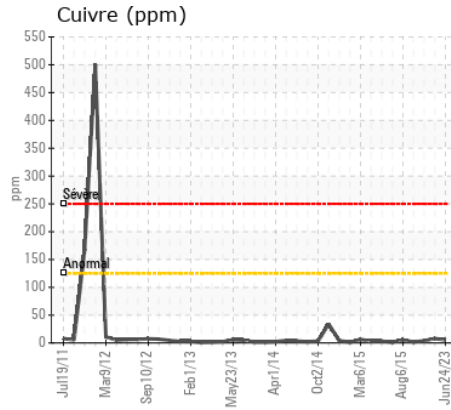
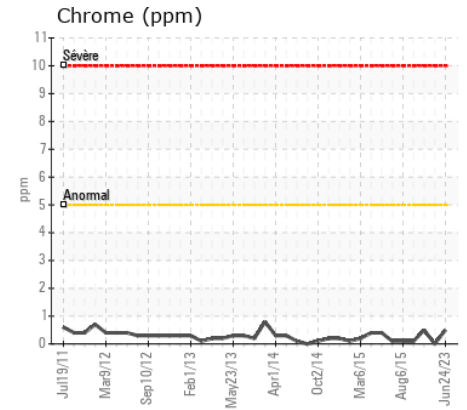
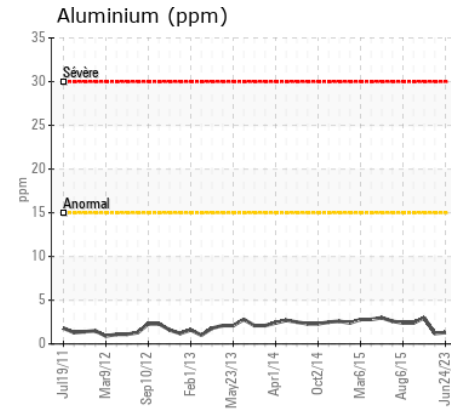
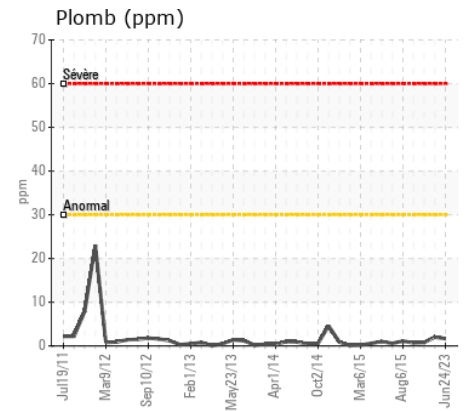
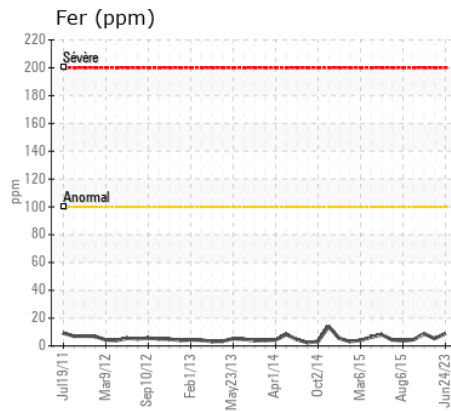
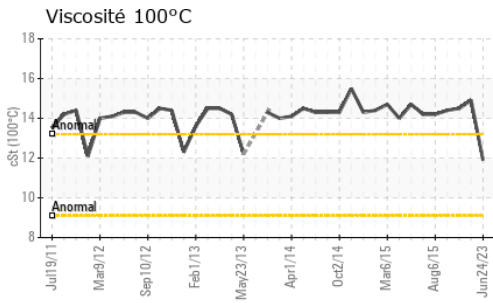
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >60 | 7 | 6 | 6 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 1 | 0 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0.4 | 0.4 | 0.5 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.7 | 8.1 | 7.5 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 19.1 | 22.5 | 21.6 |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

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

| | | | | | | |
|------------|----------|---------------|-----|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 1 | 2 | 3 |
| Bore | ppm | ASTM D5185(m) | | 26 | 144 | 1 |
| Baryum | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | | 49 | <1 | <1 |
| Manganèse | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | | 821 | 82 | 8 |
| Calcium | ppm | ASTM D5185(m) | | 1238 | 1944 | 2442 |
| Phosphore | ppm | ASTM D5185(m) | | 1097 | 976 | 1037 |
| Zinc | ppm | ASTM D5185(m) | | 1214 | 1049 | 1221 |
| Soufre | ppm | ASTM D5185(m) | | 2726 | 2781 | 3499 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 14.1 | 16.7 | 15.8 |
| Visc 100°C | cSt | ASTM D7279(m) | | 11.9 | 14.9 | 14.5 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0224279 **Reçu** : 13 Jul 2023
N° de laboratoire : 02569610 **Diagnostiqué** : 13 Jul 2023
Numéro unique : 5606656 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1

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.

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F: