



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

Identité de la machine

FREIGHTLINER 4030

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SAE 10W30 (--- 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 | | PC0072134 | PC0066150 | PC0048397 |
| Date d'échant. | | Client Info | | 10 Aug 2023 | 16 Feb 2023 | 22 Feb 2022 |
| Âge d la Machine | kms | Client Info | | 250677 | 191545 | 70045 |
| Âge de l'huile | kms | Client Info | | 59132 | 47514 | 70045 |
| Âge du filtre | kms | Client Info | | 59132 | 47514 | 70045 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|-------|-----|
| Fer | ppm | ASTM D5185(m) | >80 | 35 | 43 | 74 |
| Chrome | ppm | ASTM D5185(m) | >5 | 1 | 2 | 3 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | 2 |
| Titane | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Argent | ppm | ASTM D5185(m) | >3 | <1 | <1 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >30 | 7 | 12 | 32 |
| Plomb | ppm | ASTM D5185(m) | >30 | <1 | <1 | 14 |
| Cuivre | ppm | ASTM D5185(m) | >150 | 11 | 33 | 487 |
| Étain | ppm | ASTM D5185(m) | >5 | <1 | <1 | 13 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | VLITE | NONE | --- |
| Bronze | scalar | Visual* | NONE | NONE | VLITE | --- |

CONTAMINATION

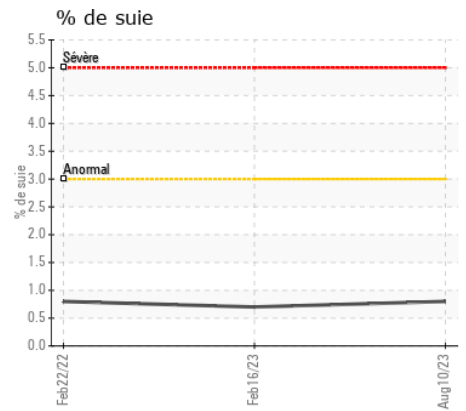
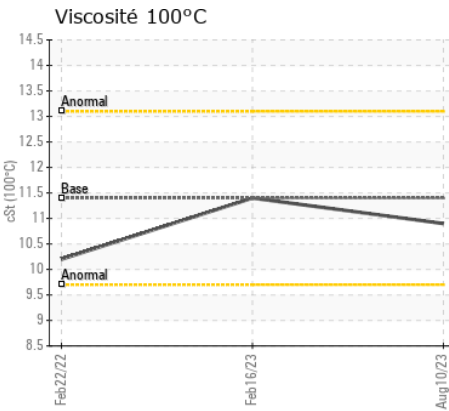
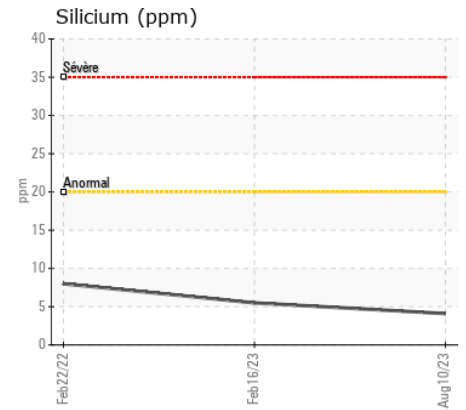
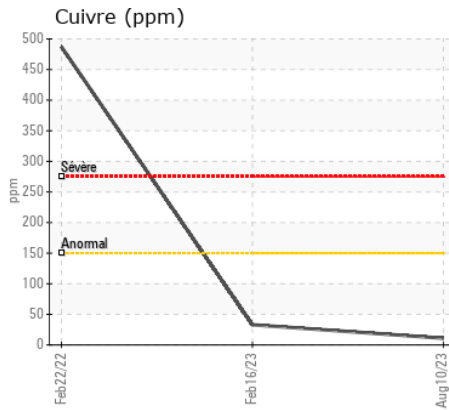
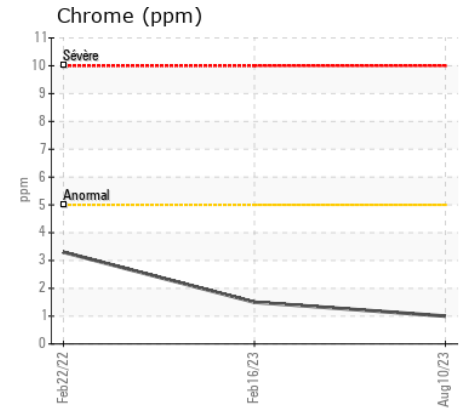
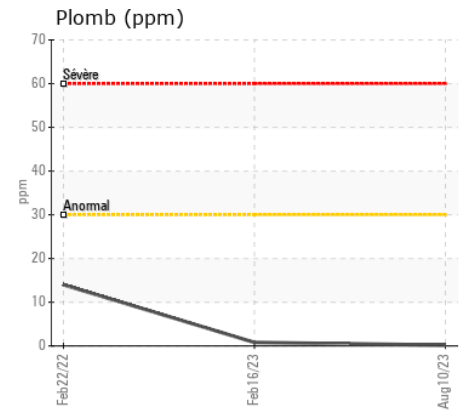
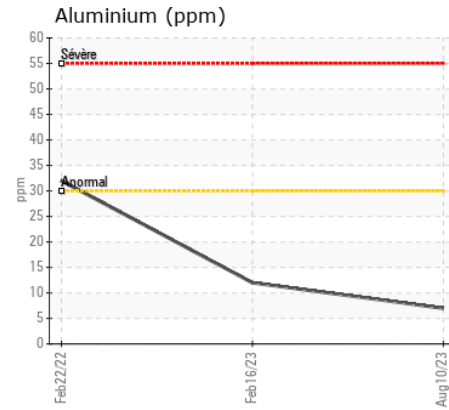
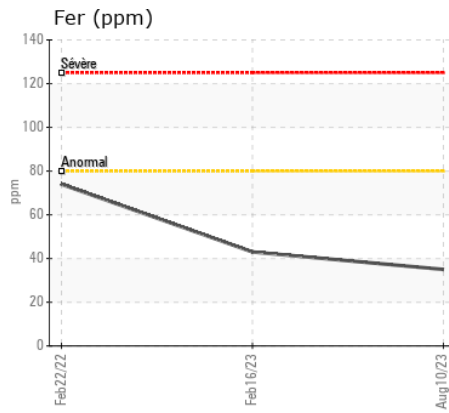
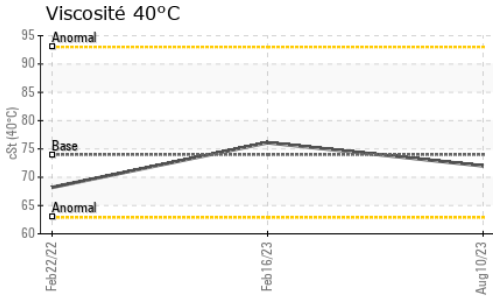
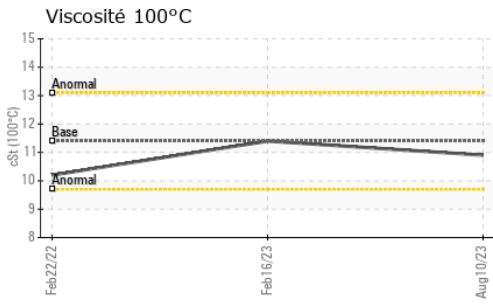
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|-------|----------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >20 | 4 | 6 | 8 |
| Potassium | ppm | ASTM D5185(m) | >20 | 12 | 26 | 100 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0.8 | 0.7 | 0.8 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 9.8 | 10.5 | 13.4 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 21.9 | 23.3 | 24.9 |
| Limon | scalar | Visual* | NONE | NONE | NONE | --- |
| Débris | scalar | Visual* | NONE | NONE | NONE | --- |
| Saleté | scalar | Visual* | NONE | NONE | NONE | --- |
| Apparence | scalar | Visual* | NORML | NORML | NORML | --- |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| 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) | | 2 | 3 | 7 |
| Bore | ppm | ASTM D5185(m) | 1 | 4 | 2 | 24 |
| Baryum | ppm | ASTM D5185(m) | 1 | 0 | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | 1 | 64 | 60 | 6 |
| Manganèse | ppm | ASTM D5185(m) | 1 | <1 | 1 | 4 |
| Magnésium | ppm | ASTM D5185(m) | 10 | 1008 | 935 | 762 |
| Calcium | ppm | ASTM D5185(m) | 2942 | 1094 | 1170 | 1377 |
| Phosphore | ppm | ASTM D5185(m) | 1102 | 1066 | 973 | 747 |
| Zinc | ppm | ASTM D5185(m) | 1351 | 1223 | 1202 | 833 |
| Soufre | ppm | ASTM D5185(m) | 3903 | 2187 | 2125 | 2291 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 18.0 | 17.9 | 21.0 |
| Visc 40°C | cSt | ASTM D7279(m) | 74.0 | 72.0 | 76.1 | 68.2 |
| Visc 100°C | cSt | ASTM D7279(m) | 11.4 | 10.9 | 11.4 | 10.2 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 146 | 140 | 141 | 134 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0072134 **Reçu** : 15 Sep 2023
N° de laboratoire : 02582787 **Diagnostiqué** : 15 Sep 2023
Numéro unique : 5643852 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual)

LOCATION BROSSARD INC
 2190 HYMUS
 DORVAL, QC
 CA H9P 1J7
 Contact: Shawn Lamoureux
 slamoureux@brossard.com

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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