



Identité de la machine

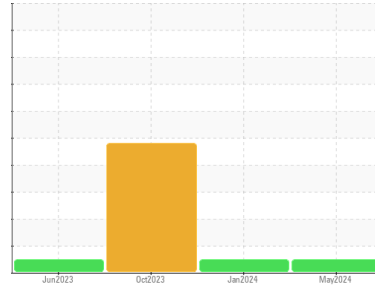
FREIGHTLINER 820059

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 10W30 (--- GAL)



DIAGNOSTIC

Recommandation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Usure

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

Contamination

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

État Du Fluide

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

| INFORMATION SUR L'ÉCHANTILLON | | methode | limite/base | actuel | passé1 | passé2 |
|-------------------------------|-------------|-------------|-------------|--------------------|-------------|-------------|
| Numéro d'échant. | Client Info | | | PC0088227 | GFL0100796 | GFL0091104 |
| Date d'échant. | Client Info | | | 22 May 2024 | 05 Jan 2024 | 30 Oct 2023 |
| Âge d la Machine | hrs | Client Info | | 7231 | 6542 | 6172 |
| Âge de l'huile | hrs | Client Info | | 689 | 370 | 589 |
| Huile changée | Client Info | | | Changed | Changed | Changed |
| Statut de l'échant. | | | | NORMAL | NORMAL | SEVERE |

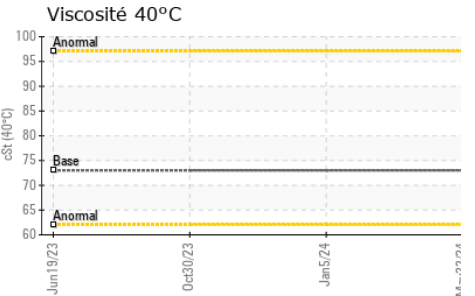
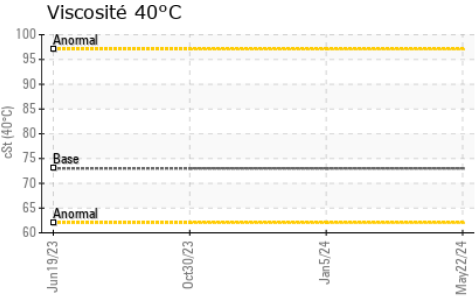
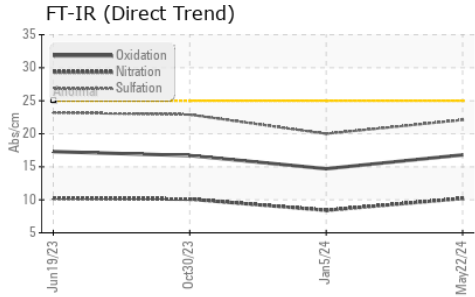
| CONTAMINATION | | methode | limite/base | actuel | passé1 | passé2 |
|---------------|-----------|---------|----------------|--------|--------|--------|
| Essence | WC Method | >5 | <1.0 | <1.0 | <1.0 | |
| L'eau | WC Method | >0.2 | NEG | NEG | NEG | |
| Glycol | WC Method | | NEG | NEG | 0.0 | |

| MÉTAL D'USURE | | methode | limite/base | actuel | passé1 | passé2 |
|---------------|-----|---------------|-------------|--------------|--------|--------|
| Fer | ppm | ASTM D5185(m) | >80 | 50 | 33 | 71 |
| Chrome | ppm | ASTM D5185(m) | >5 | 2 | 1 | 2 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | >3 | 0 | 0 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >30 | 10 | 7 | 15 |
| Plomb | ppm | ASTM D5185(m) | >30 | <1 | <1 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >150 | 2 | 2 | 3 |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | <1 | <1 |
| Antimoine | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Béryllium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

| ADDITIFS | | methode | limite/base | actuel | passé1 | passé2 |
|-----------|-----|---------------|-------------|--------------|--------|--------|
| Bore | ppm | ASTM D5185(m) | 250 | 8 | 16 | 83 |
| Baryum | ppm | ASTM D5185(m) | 10 | 0 | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | 100 | 63 | 63 | 82 |
| Manganèse | ppm | ASTM D5185(m) | | <1 | 0 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 450 | 960 | 907 | 888 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1082 | 1092 | 1367 |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 990 | 1001 | 1088 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1205 | 1151 | 1329 |
| Soufre | ppm | ASTM D5185(m) | 4250 | 2410 | 2616 | 2660 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |

| CONTAMINANTS | | methode | limite/base | actuel | passé1 | passé2 |
|--------------|-----|---------------|-------------|-----------|--------|--------|
| Silicium | ppm | ASTM D5185(m) | >20 | 14 | 16 | ▲ 43 |
| Sodium | ppm | ASTM D5185(m) | | 9 | 5 | 9 |
| Potassium | ppm | ASTM D5185(m) | >20 | 7 | 5 | 14 |

| INFRA-RED | | methode | limite/base | actuel | passé1 | passé2 |
|-------------|----------|-------------|-------------|-------------|--------|--------|
| % de suie | % | ASTM D7844* | >3 | 0.9 | 0.6 | 1.1 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 10.2 | 8.4 | 10.1 |
| Sulfatation | Abs./1mm | ASTM D7415* | >30 | 22.1 | 20.0 | 22.9 |

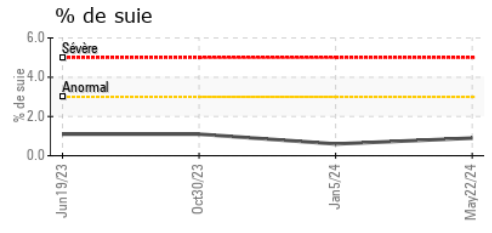
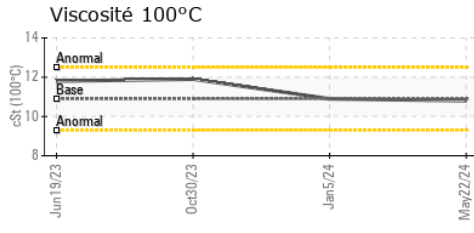
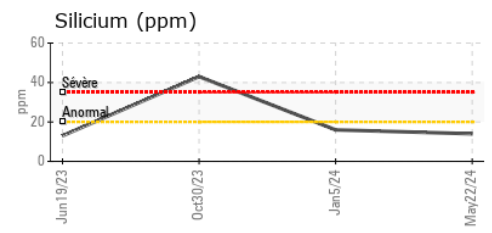
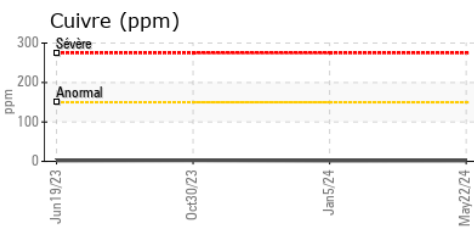
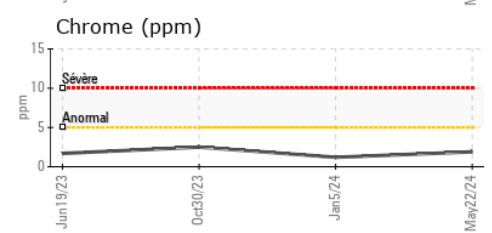
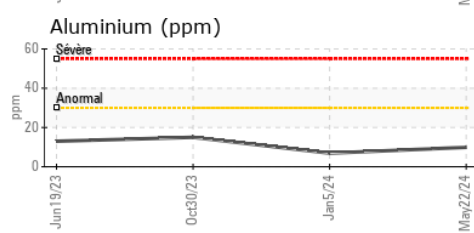
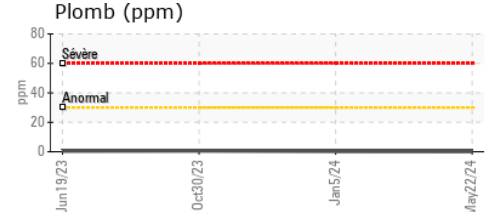
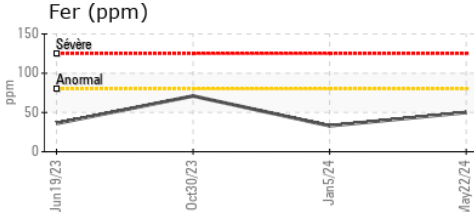


| FLUID DEGRADATION | | methode | limite/base | actuel | passé1 | passé2 |
|-------------------|----------|-------------|-------------|-------------|--------|--------|
| Oxydation | Abs./1mm | ASTM D7414* | >25 | 16.8 | 14.7 | 16.7 |

| VISUEL | | methode | limite/base | actuel | passé1 | passé2 |
|----------------|--------|---------|-------------|--------------|--------|--------|
| Métal blanc | scalar | Visual* | NONE | NONE | --- | --- |
| Bronze | scalar | Visual* | NONE | NONE | --- | --- |
| Préциpié | scalar | Visual* | NONE | NONE | --- | --- |
| Limon | scalar | Visual* | NONE | NONE | --- | --- |
| Débris | scalar | Visual* | NONE | VLITE | --- | --- |
| Saleté | scalar | Visual* | NONE | NONE | --- | --- |
| Apparence | scalar | Visual* | NORML | NORML | --- | --- |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |
| Eau libre | scalar | Visual* | | NEG | NEG | NEG |

| PROPRIÉTÉS DU FLUID | | methode | limite/base | actuel | passé1 | passé2 |
|--------------------------|-------|---------------|-------------|-------------|--------|--------|
| Visc 40°C | cSt | ASTM D7279(m) | 73 | 69.2 | --- | --- |
| Visc 100°C | cSt | ASTM D7279(m) | 10.9 | 10.8 | 10.9 | 11.9 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 138 | 145 | --- | --- |

GRAPHIQUES



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental 791MAT - Matane**
N° d'échantillon : PC0088227 **Reçu** : 24 May 2024 29 rue Brilliant
N° de laboratoire : **02637391** **Tested** : 24 May 2024 Matane, QC
Numéro unique : 5786553 **Diagnostiqué** : 24 May 2024 - Wes Davis CA G4W 0J7
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual) Contact: B Berube
 bberube@matrec.ca

Pour discuter cette 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.