



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Machine Id
FREIGHTLINER 427151
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 10W30. Veuillez confirmer.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | PC0088355 | --- | --- |
| Sample Date | | Client Info | | 25 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 13570 | --- | --- |
| Oil Age | hrs | Client Info | | 388 | --- | --- |
| Filter Age | hrs | Client Info | | 388 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

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

| | | | | | | |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >80 | 31 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | 1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >30 | 8 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >30 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >150 | 25 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

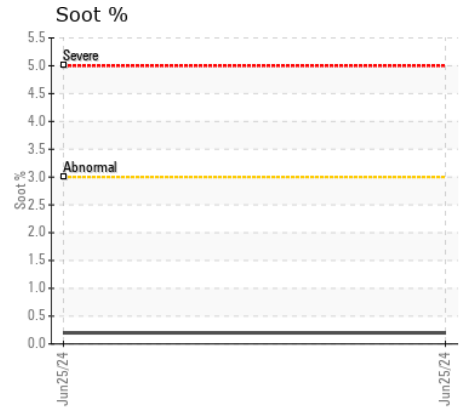
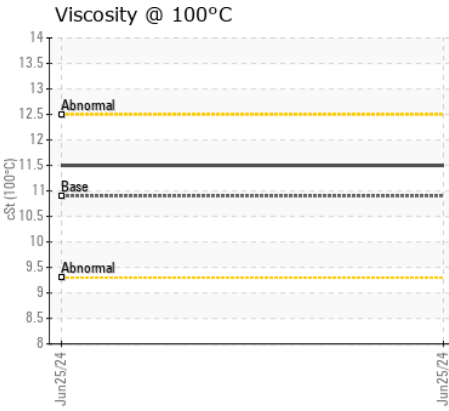
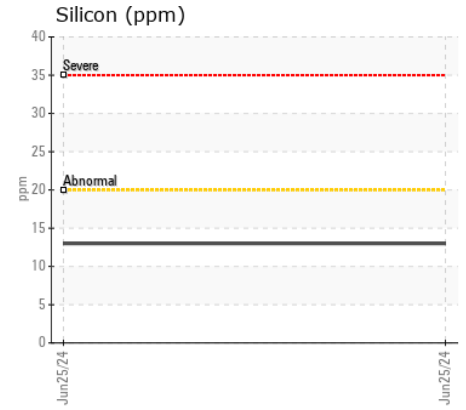
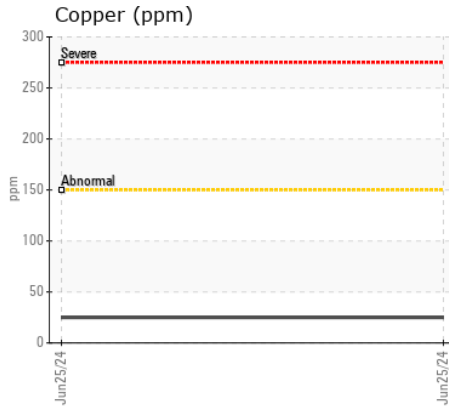
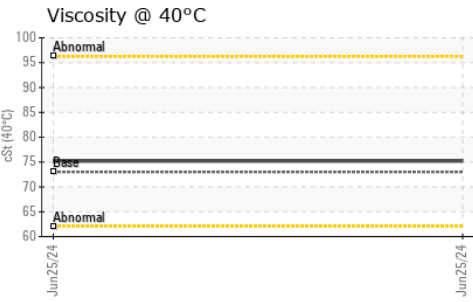
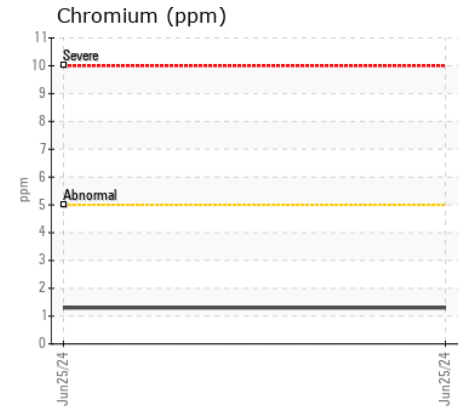
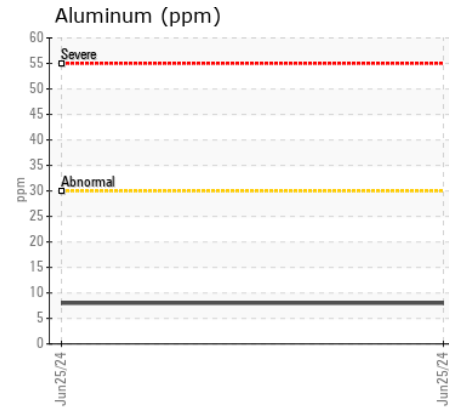
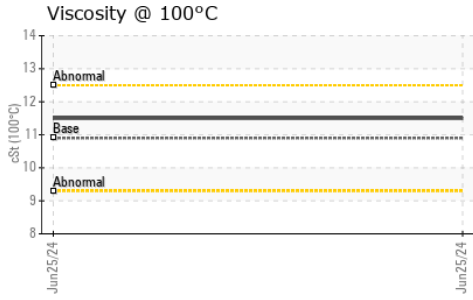
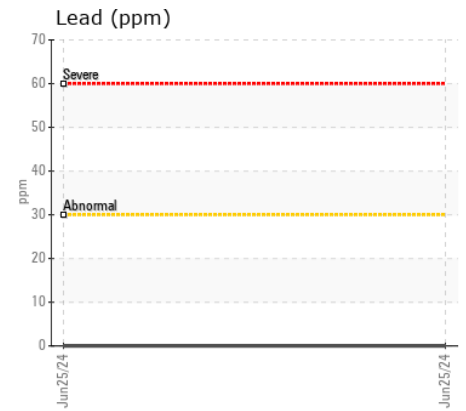
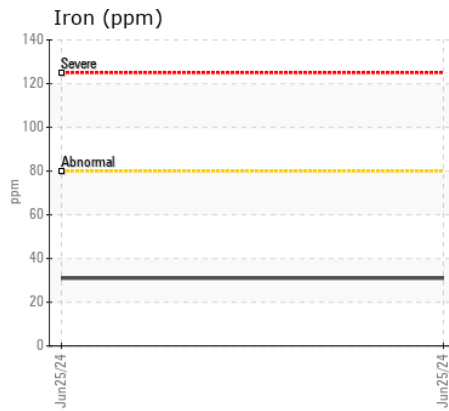
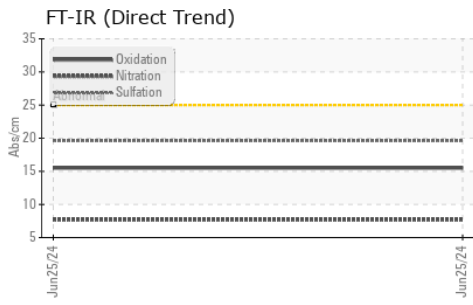
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|----------|---------------|-------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >20 | 13 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 3 | --- | --- |
| Fuel | | WC Method | >5 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | >3 | 0.2 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 7.7 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 19.6 | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|----------------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | 2 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 250 | 4 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 10 | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 59 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 450 | 949 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1042 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 951 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1175 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2401 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 15.5 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 73 | 75.2 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 10.9 | 11.5 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 138 | 145 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088355 **Received** : 28 Jun 2024
Lab Number : 02644550 **Tested** : 28 Jun 2024
Unique Number : 5802089 **Diagnosed** : 28 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

GFL Environmental 791MAT - Matane
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 Matane, QC
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 Contact: B Berube
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To discuss this sample report, contact Customer Service at 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.