



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



Machine Id
501086
Component
Diesel Engine
Fluid
PETRO CANADA 10W30 (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0110478 | GFL0097404 | GFL0078318 |
| Sample Date | | Client Info | | 01 Mar 2024 | 11 Oct 2023 | 14 Mar 2023 |
| Machine Age | hrs | Client Info | | 11238 | 10585 | 9576 |
| Oil Age | hrs | Client Info | | 600 | 600 | 600 |
| Filter Age | hrs | Client Info | | 600 | 600 | 600 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

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

| | | | | | | |
|----------|-----|---------------|------|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >80 | 69 | 34 | 21 |
| Chromium | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | 1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | <1 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >30 | 7 | 6 | 3 |
| Lead | ppm | ASTM D5185(m) | >30 | 1 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >150 | 12 | 7 | 6 |
| Tin | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

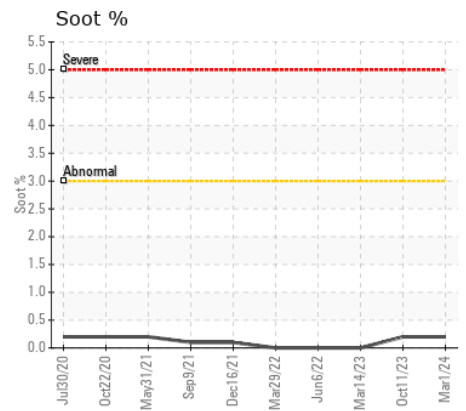
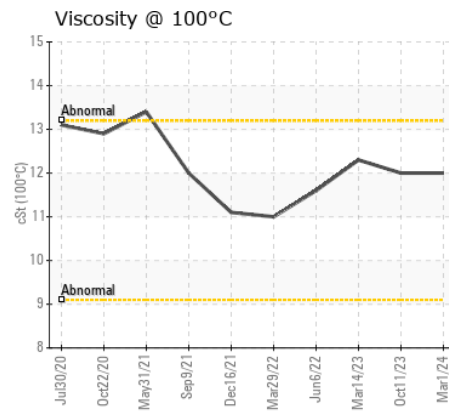
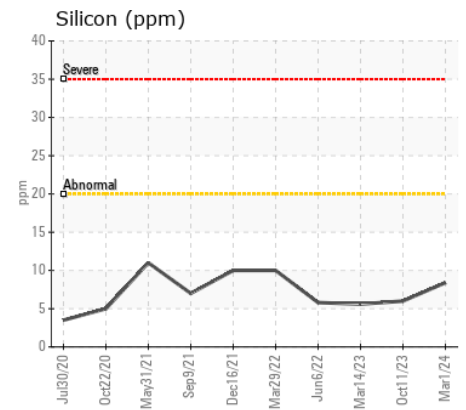
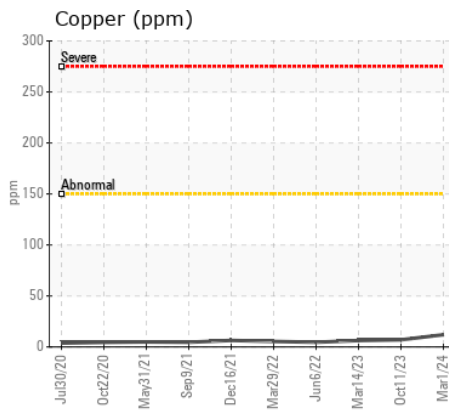
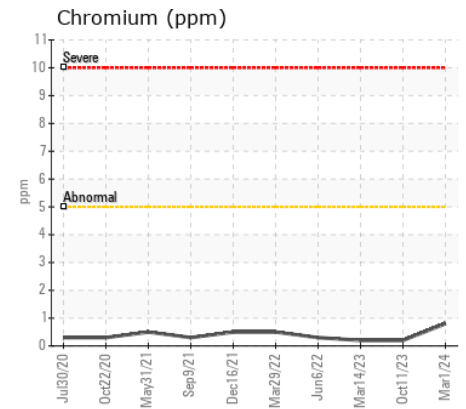
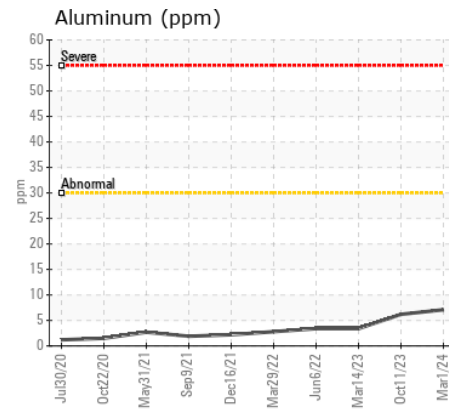
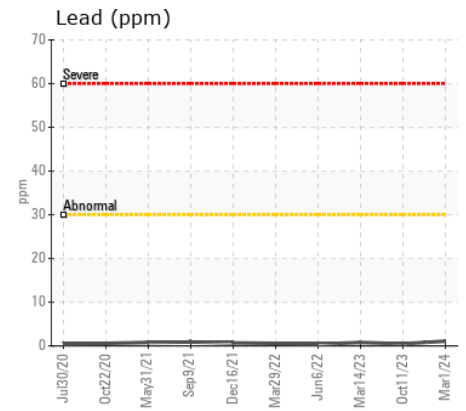
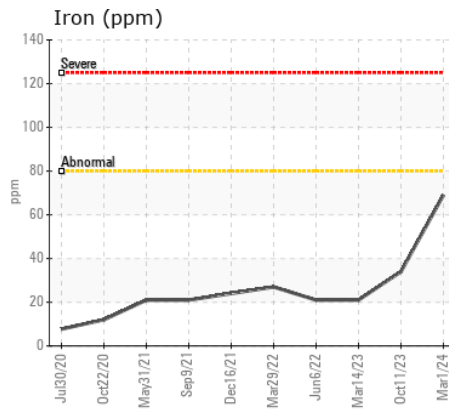
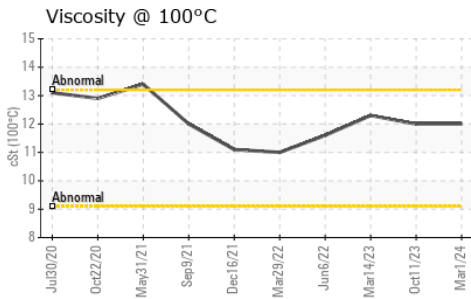
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|----------|---------------|------|----------------|------|------|
| Silicon | ppm | ASTM D5185(m) | >20 | 8 | 6 | 6 |
| Potassium | ppm | ASTM D5185(m) | >20 | 4 | 6 | 5 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | ASTM D7844* | >3 | 0.2 | 0.2 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 8.5 | 7.4 | 8.6 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 21.8 | 20.0 | 23.6 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|-----|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 11 | 13 | 14 |
| Boron | ppm | ASTM D5185(m) | | 11 | 38 | 36 |
| Barium | ppm | ASTM D5185(m) | | <1 | <1 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | 20 | 43 | 52 |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | | 185 | 299 | 386 |
| Calcium | ppm | ASTM D5185(m) | | 2102 | 1910 | 1874 |
| Phosphorus | ppm | ASTM D5185(m) | | 914 | 985 | 1075 |
| Zinc | ppm | ASTM D5185(m) | | 1086 | 1191 | 1231 |
| Sulfur | ppm | ASTM D5185(m) | | 2896 | 2779 | 2768 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 14.1 | 14.8 | 17.2 |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 12.0 | 12.0 | 12.3 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0110478
Lab Number : 02620069
Unique Number : 5737179
Test Package : MOB 1
Received : 06 Mar 2024
Tested : 06 Mar 2024
Diagnosed : 06 Mar 2024 - Wes Davis

GFL Environmental - 732 - Beauce - Hauling - Solid Waste
 139, 181 Street,
 Beauceville, QC
 CA G5X 2S9
 Contact: Sandrine Duval
 sduval@matrec.ca
 T: (418)774-5275
 F: (418)774-5292

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.