



Machine Id
9257
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (36 GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0120720 | GFL0096465 | GFL0096364 |
| Sample Date | | Client Info | | 08 May 2024 | 22 Nov 2023 | 25 Sep 2023 |
| Machine Age | kms | Client Info | | 120732 | 101319 | 18335 |
| Oil Age | kms | Client Info | | 600 | 18678 | 600 |
| Filter Age | kms | Client Info | | 0 | 18678 | 600 |
| Oil Changed | | Client Info | | N/A | N/A | Changed |
| Filter Changed | | Client Info | | N/A | N/A | Changed |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

WEAR

Usure de piston.

| | | | | | | |
|----------|-----|---------------|------|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >120 | 27 | 9 | 26 |
| Chromium | ppm | ASTM D5185(m) | >20 | 1 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | 1 | 2 | 2 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >20 | ▲ 22 | 3 | 4 |
| Lead | ppm | ASTM D5185(m) | >40 | 0 | <1 | 2 |
| Copper | ppm | ASTM D5185(m) | >330 | 2 | 1 | 2 |
| Tin | ppm | ASTM D5185(m) | >15 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

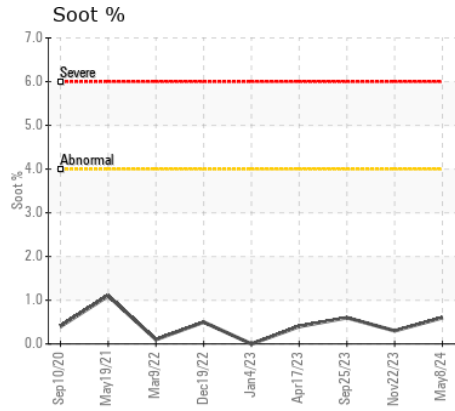
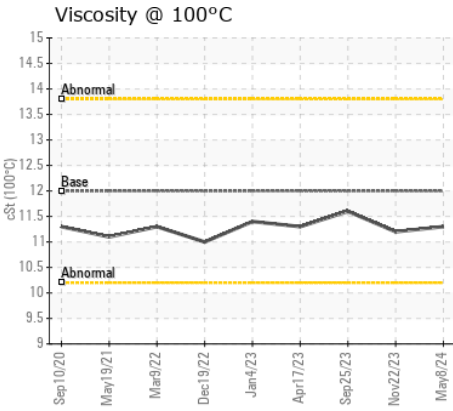
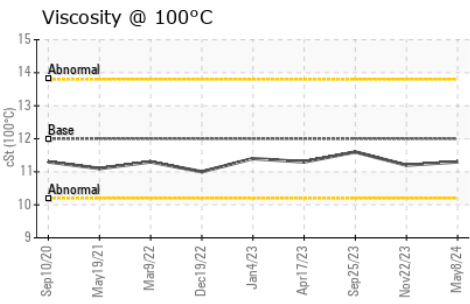
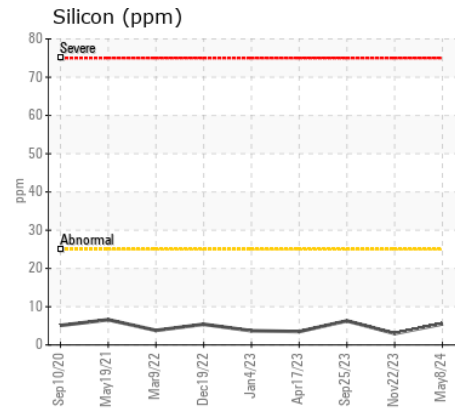
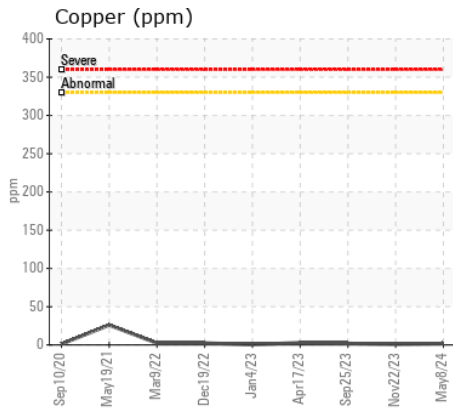
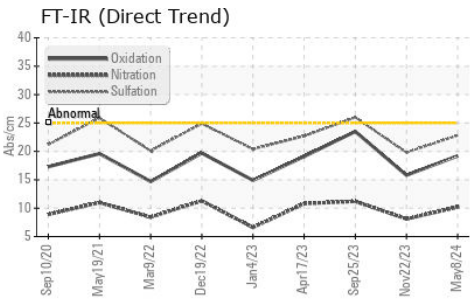
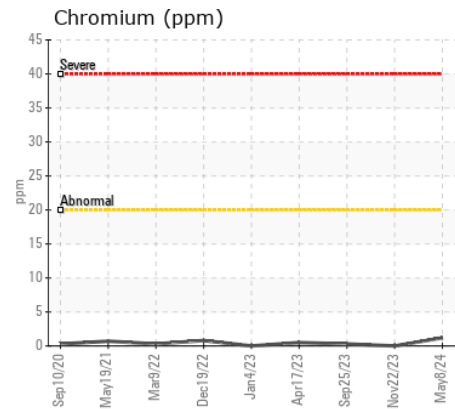
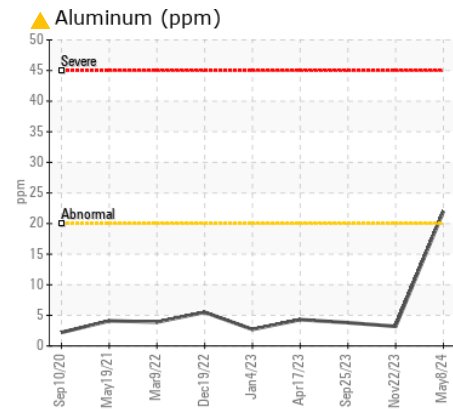
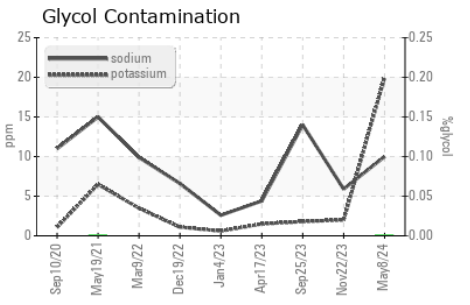
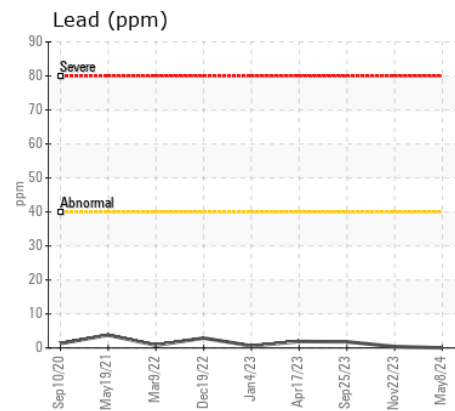
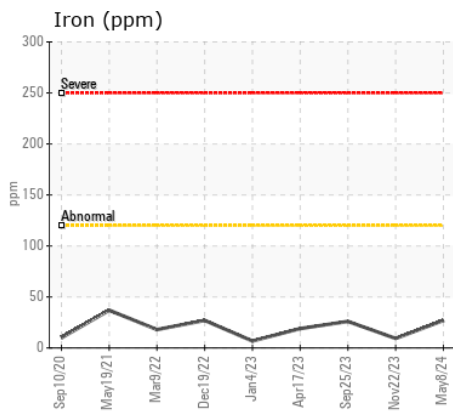
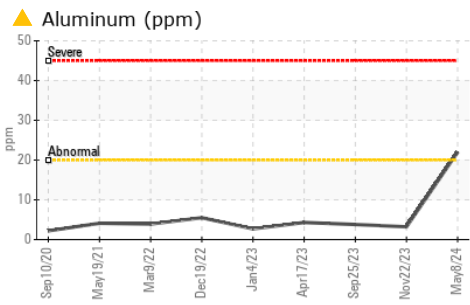
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|----------|---------------|------|----------------|------|------|
| Silicon | ppm | ASTM D5185(m) | >25 | 6 | 3 | 6 |
| Potassium | ppm | ASTM D5185(m) | >20 | 20 | 2 | 2 |
| Fuel | | WC Method | >3.0 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | % | ASTM D7922* | | 0.0 | NEG | NEG |
| Soot % | % | ASTM D7844* | >4 | 0.6 | 0.3 | 0.6 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 10.2 | 8.1 | 11.2 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 22.8 | 19.8 | 26.0 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

| | | | | | | |
|--------------|----------|---------------|-------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 10 | 6 | 14 |
| Boron | ppm | ASTM D5185(m) | 2 | 3 | 1 | 2 |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | <1 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | 50 | 59 | 57 | 64 |
| Manganese | ppm | ASTM D5185(m) | 0 | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | 950 | 931 | 924 | 1008 |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1110 | 995 | 1137 |
| Phosphorus | ppm | ASTM D5185(m) | 995 | 964 | 953 | 1045 |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1160 | 1146 | 1251 |
| Sulfur | ppm | ASTM D5185(m) | 2600 | 2201 | 2398 | 2246 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 19.2 | 15.8 | 23.5 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 12.00 | 11.3 | 11.2 | 11.6 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0120720
Lab Number : 02635540
Unique Number : 5776693
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental - 747 - GMA - Solid Waste
 4 Chemin du Tremblay,
 Boucherville, QC
 CA J4B 6Z5
 Contact: Steve Voyer
 svoyer@matrec.ca

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.