



Machine Id

Gfi
Component
6 Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (40 LTR)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | GFL0096439 | --- | --- |
| Sample Date | | Client Info | | 13 Feb 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 6258 | --- | --- |
| Oil Age | hrs | Client Info | | 600 | --- | --- |
| Filter Age | hrs | Client Info | | 600 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |

WEAR

Usure de la soupape d'échappement.

| | | | | | | |
|----------|-----|---------------|------|--------------|-----|-----|
| Iron | ppm | ASTM D5185(m) | >100 | 15 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >4 | ▲ 8 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >40 | <1 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >330 | 23 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >15 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |

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.

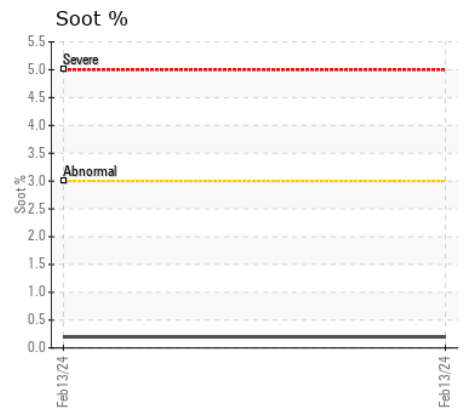
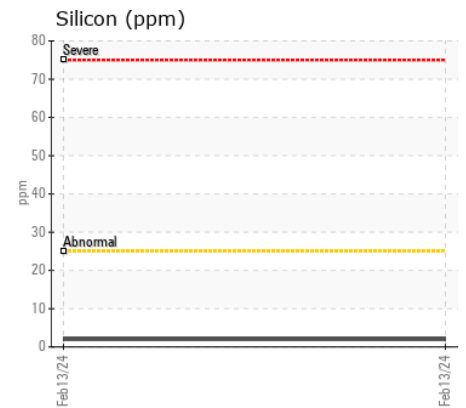
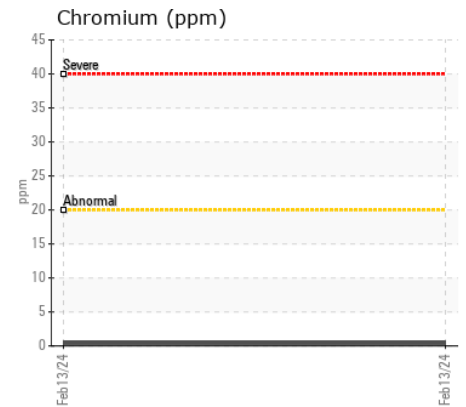
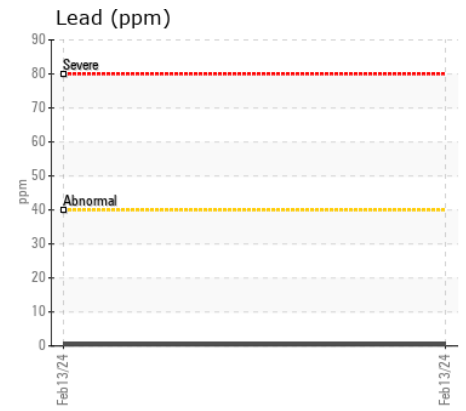
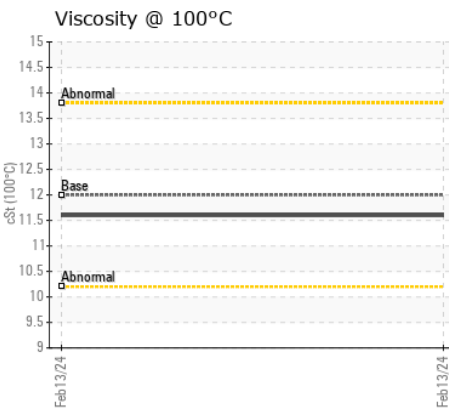
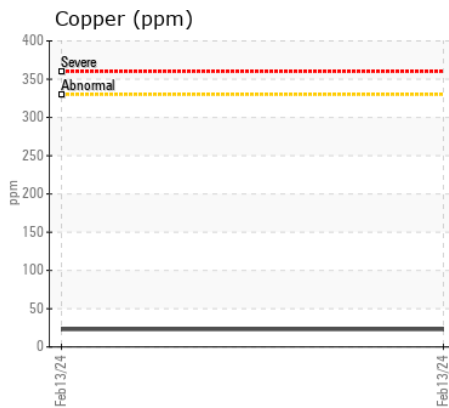
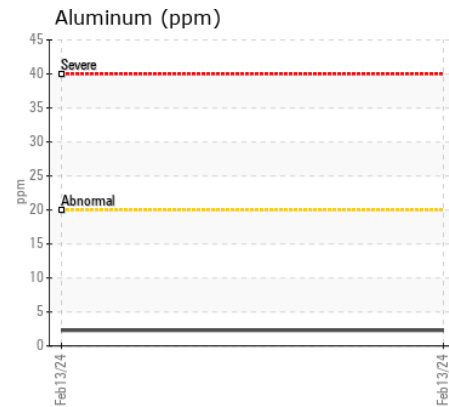
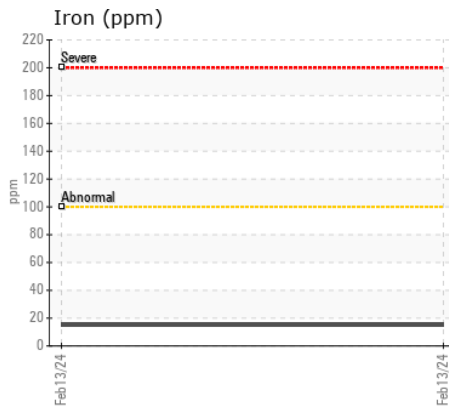
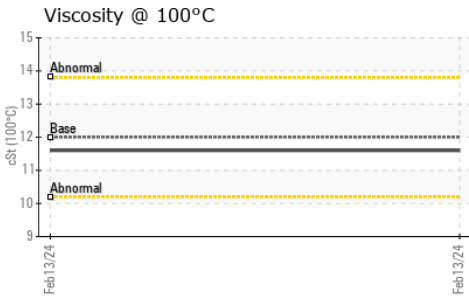
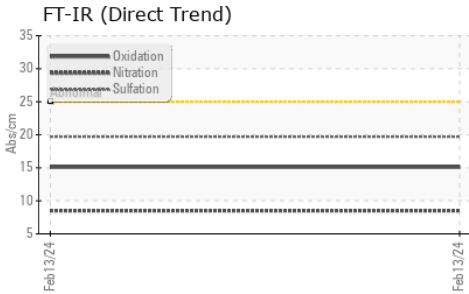
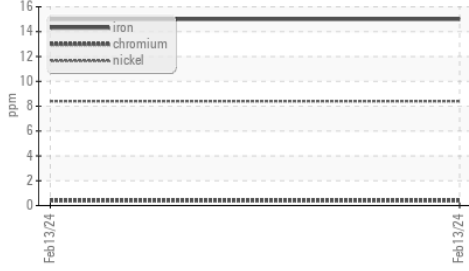
| | | | | | | |
|------------------|----------|---------------|------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185(m) | >25 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 7 | --- | --- |
| Fuel | | WC Method | >5 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | ASTM D7844* | >3 | 0.2 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 8.5 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 19.7 | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | 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) | | 1 | --- | --- |
| Boron | ppm | ASTM D5185(m) | 2 | 2 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 50 | 56 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 950 | 892 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 1050 | 1050 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 995 | 927 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1180 | 1123 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 2600 | 2375 | --- | --- |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 15.1 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 12.00 | 11.6 | --- | --- |

▲ Ferrous Alloys



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0096439
Lab Number : 02633449
Unique Number : 5774602
Test Package : MOB 1
Received : 06 May 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Kevin Marson

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.