



Machine Id
WL0404
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.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0119185 | GFL0067512 | GFL0071854 |
| Sample Date | | Client Info | | 03 Jun 2024 | 17 Feb 2024 | 01 Aug 2023 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

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

| | | | | | | |
|----------|-----|---------------|------|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >100 | 10 | 8 | 10 |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 6 | 4 | 7 |
| Lead | ppm | ASTM D5185(m) | >40 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

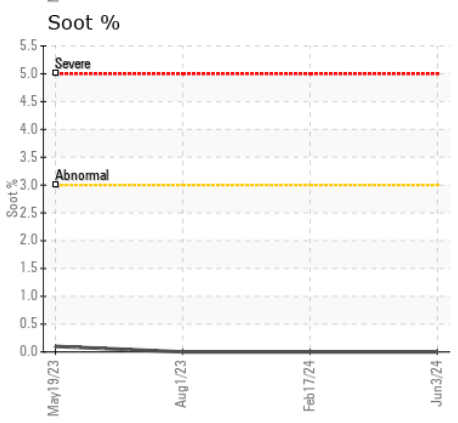
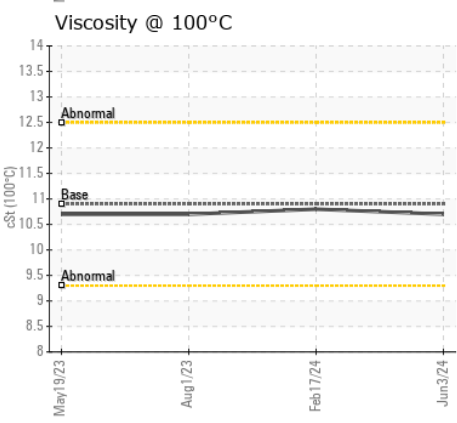
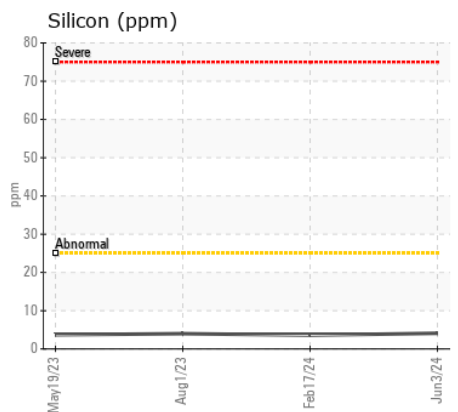
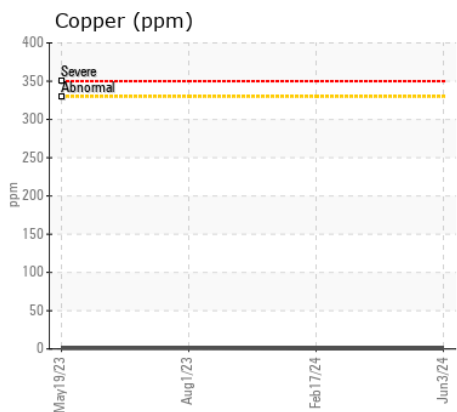
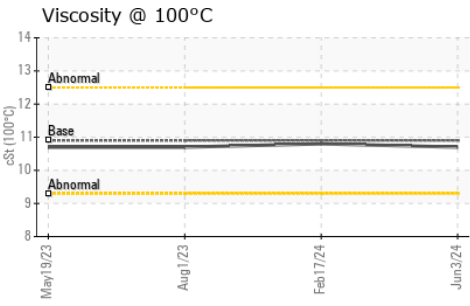
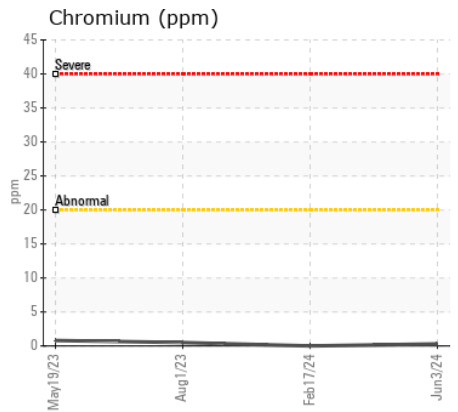
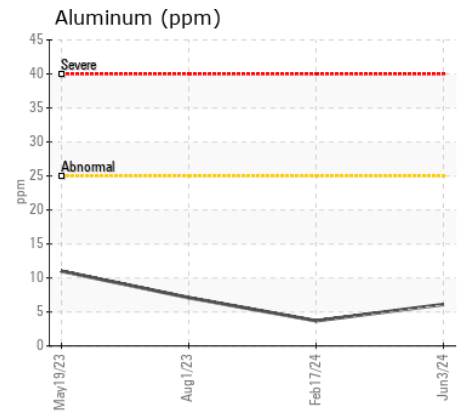
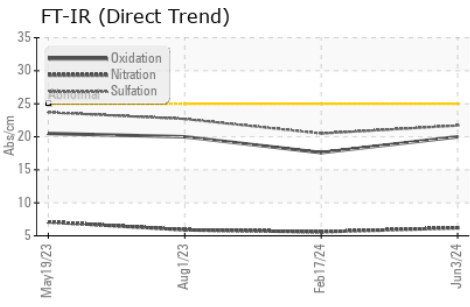
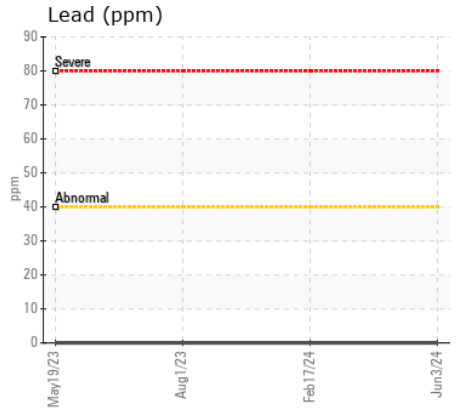
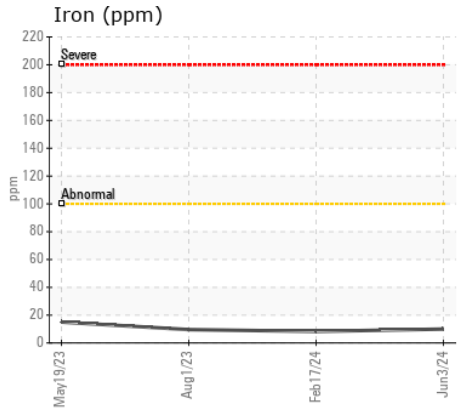
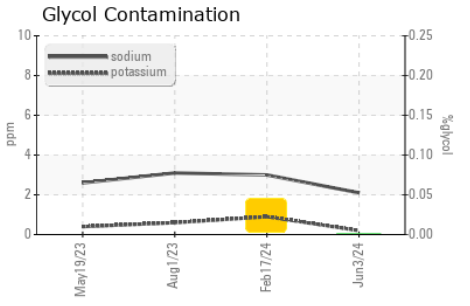
Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|----------|---------------|------|----------------|---------|------|
| Silicon | ppm | ASTM D5185(m) | >25 | 4 | 4 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | <1 |
| Fuel | | WC Method | >5 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | % | ASTM D7922* | | 0.0 | ▲ 0.045 | NEG |
| Soot % | % | ASTM D7844* | >3 | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.2 | 5.6 | 5.9 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 21.7 | 20.5 | 22.7 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | ▲ .5% | NEG |

FLUID CONDITION

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

| | | | | | | |
|--------------|----------|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 2 | 3 | 3 |
| Boron | ppm | ASTM D5185(m) | 250 | 33 | 36 | 37 |
| Barium | ppm | ASTM D5185(m) | 10 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 40 | 44 | 38 |
| Manganese | ppm | ASTM D5185(m) | | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 450 | 498 | 617 | 493 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1594 | 1429 | 1641 |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 872 | 912 | 972 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1046 | 1037 | 1053 |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2414 | 2629 | 2493 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 20.0 | 17.6 | 20.0 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 10.9 | 10.7 | 10.8 | 10.7 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 743 - Montreal Est CD Processing**
Sample No. : GFL0119185 **Received** : 04 Jul 2024 10930 rue Sherbrooke
Lab Number : 02645423 **Tested** : 04 Jul 2024 Montreal, QC
Unique Number : 5802962 **Diagnosed** : 04 Jul 2024 - Wes Davis CA H1B 1B4
Test Package : MOB 1 Contact: Patrick Beaulieu
 patrick.beaulieu@gflenv.com

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.