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



Machine Id
930017
Component
Natural Gas Engine
Fluid
RDL-3647 (--- 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.

WEAR

Usure de piston.

CONTAMINATION

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

FLUID CONDITION

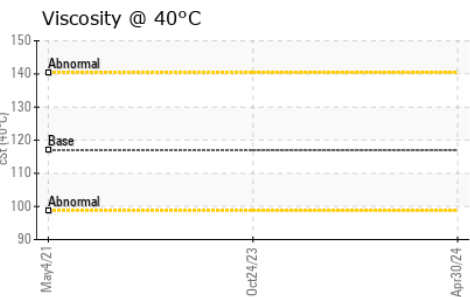
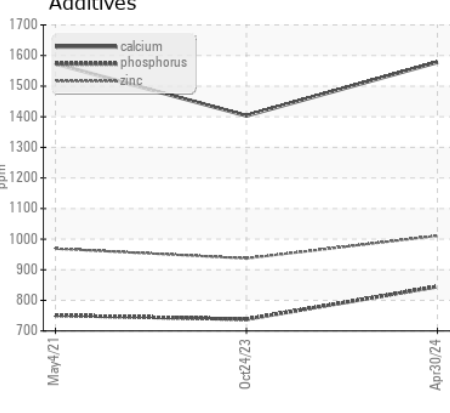
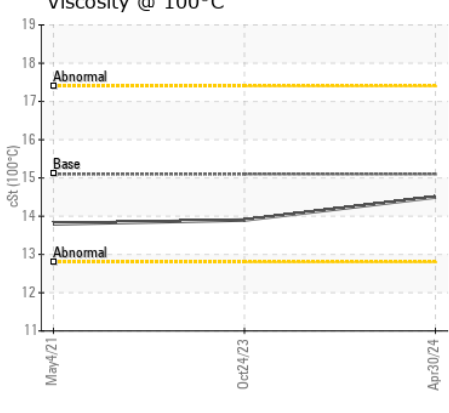
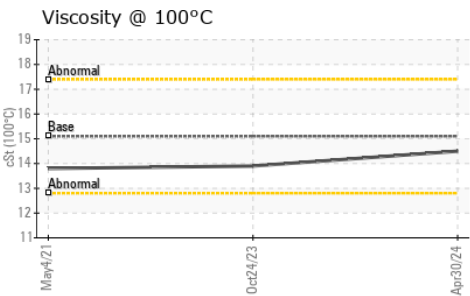
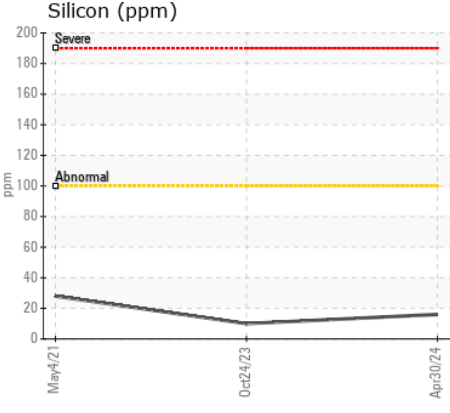
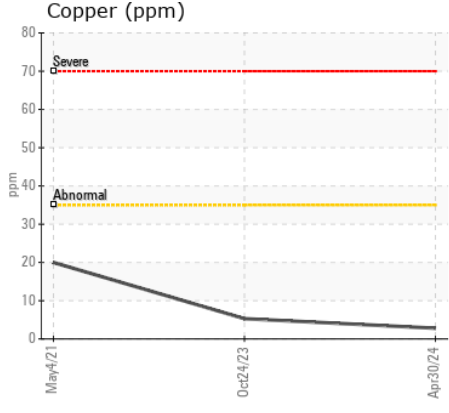
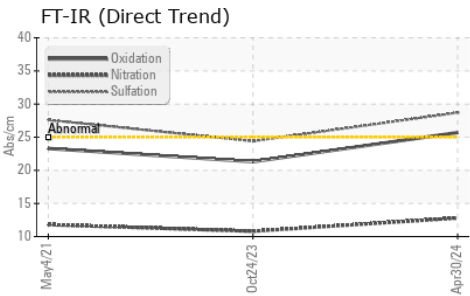
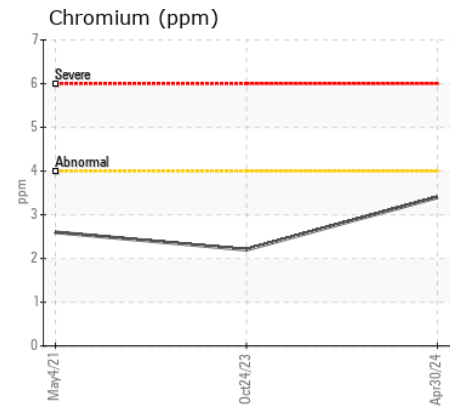
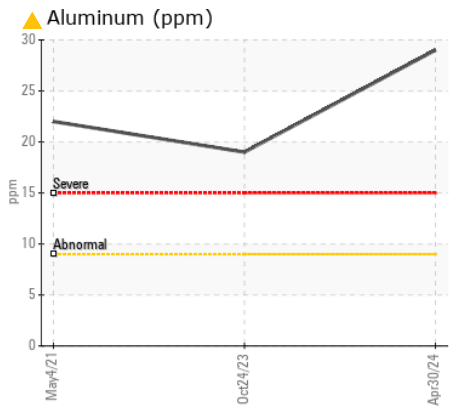
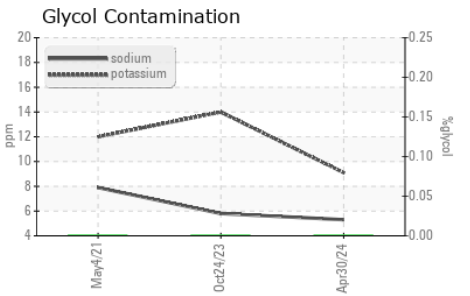
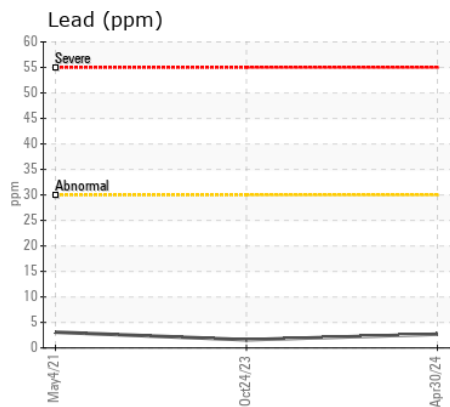
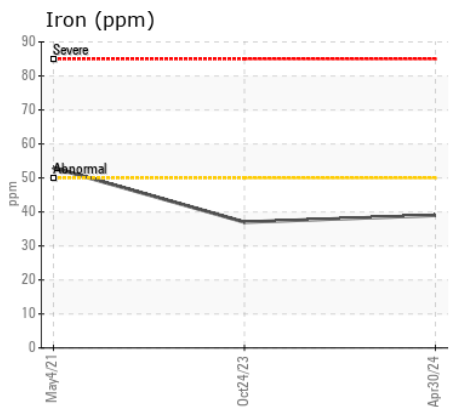
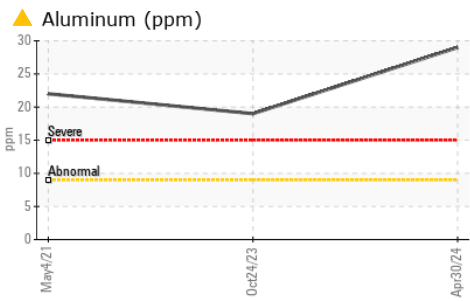
L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0088677 | CU0021562 | GFL0017915 |
| Sample Date | | Client Info | | 30 Apr 2024 | 24 Oct 2023 | 04 May 2021 |
| Machine Age | kms | Client Info | | 996988 | 74127 | 1203 |
| Oil Age | kms | Client Info | | 0 | 0 | 600 |
| Filter Age | kms | Client Info | | 0 | 0 | 600 |
| Oil Changed | | Client Info | | N/A | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

| | | | | | | |
|----------|-----|---------------|-----|--------------|----|----|
| Iron | ppm | ASTM D5185(m) | >50 | 39 | 37 | 53 |
| Chromium | ppm | ASTM D5185(m) | >4 | 3 | 2 | 3 |
| Nickel | ppm | ASTM D5185(m) | >2 | 1 | 1 | 2 |
| Titanium | ppm | ASTM D5185(m) | | <1 | 0 | 19 |
| Silver | ppm | ASTM D5185(m) | >3 | 0 | <1 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >9 | ▲ 29 | 19 | 22 |
| Lead | ppm | ASTM D5185(m) | >30 | 3 | 2 | 3 |
| Copper | ppm | ASTM D5185(m) | >35 | 3 | 5 | 20 |
| Tin | ppm | ASTM D5185(m) | >4 | 1 | 1 | 2 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |

| | | | | | | |
|------------------|----------|---------------|-------|-------------|------|------|
| Silicon | ppm | ASTM D5185(m) | >+100 | 16 | 10 | 28 |
| Potassium | ppm | ASTM D5185(m) | >20 | 9 | 14 | 12 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Glycol | % | ASTM D7922* | | 0.0 | 0.0 | 0.0 |
| Soot % | % | ASTM D7844* | | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 12.8 | 10.8 | 11.8 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 28.7 | 24.4 | 27.6 |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | NEG |

| | | | | | | |
|----------------------|----------|---------------|-------|-------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 5 | 6 | 8 |
| Boron | ppm | ASTM D5185(m) | 50 | 7 | 8 | 9 |
| Barium | ppm | ASTM D5185(m) | 5 | 0 | <1 | 4 |
| Molybdenum | ppm | ASTM D5185(m) | 50 | 64 | 61 | 58 |
| Manganese | ppm | ASTM D5185(m) | 0 | 1 | 2 | 12 |
| Magnesium | ppm | ASTM D5185(m) | 560 | 875 | 776 | 559 |
| Calcium | ppm | ASTM D5185(m) | 1510 | 1578 | 1403 | 1573 |
| Phosphorus | ppm | ASTM D5185(m) | 780 | 845 | 738 | 751 |
| Zinc | ppm | ASTM D5185(m) | 870 | 1011 | 937 | 969 |
| Sulfur | ppm | ASTM D5185(m) | 2040 | 2080 | 1971 | 2062 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 25.7 | 21.3 | 23.3 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 117.0 | 115 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 15.1 | 14.5 | 13.9 | 13.8 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 134 | 128 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088677 **Received** : 09 May 2024
Lab Number : 02634270 **Tested** : 09 May 2024
Unique Number : 5775423 **Diagnosed** : 10 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)
 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.

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