



# RAPPORT D'ANALYSE D'HUILE

|                |               |
|----------------|---------------|
| USURE          | <b>NORMAL</b> |
| CONTAMINATION  | <b>NORMAL</b> |
| ÉTAT DU FLUIDE | <b>NORMAL</b> |

Identité de la machine

**513121**

Composant

**Moteur à essence**

Fluid

**CASTROL SYNTEC SAE 5W30 (--- LTR)**

## RECOMMANDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>PC0079434</b>   | PC0074440   | PC0074586   |
| Date d'échant.      |     | Client Info |           | <b>13 Feb 2024</b> | 01 Oct 2023 | 05 Jul 2023 |
| Âge d la Machine    | kms | Client Info |           | <b>155821</b>      | 133720      | 122535      |
| Âge de l'huile      | kms | Client Info |           | <b>10697</b>       | 11185       | 11855       |
| Âge du filtre       | kms | Client Info |           | <b>10697</b>       | 11185       | 11855       |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Filtre changé       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## USURE

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

|             |        |               |      |              |       |      |
|-------------|--------|---------------|------|--------------|-------|------|
| Fer         | ppm    | ASTM D5185(m) | >150 | <b>4</b>     | 5     | 5    |
| Chrome      | ppm    | ASTM D5185(m) | >20  | <b>&lt;1</b> | 0     | <1   |
| Nickel      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1    | <1   |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0     | 0    |
| Argent      | ppm    | ASTM D5185(m) | >2   | <b>0</b>     | <1    | 0    |
| Aluminium   | ppm    | ASTM D5185(m) | >40  | <b>2</b>     | 2     | 2    |
| Plomb       | ppm    | ASTM D5185(m) | >50  | <b>0</b>     | 0     | 0    |
| Cuivre      | ppm    | ASTM D5185(m) | >155 | <b>&lt;1</b> | <1    | <1   |
| Étain       | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0     | 0    |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0     | 0    |
| Métal blanc | scalar | Visual*       | NONE | <b>VLITE</b> | VLITE | NONE |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE  | NONE |

## CONTAMINATION

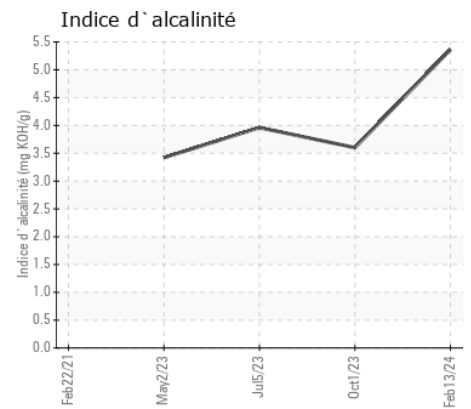
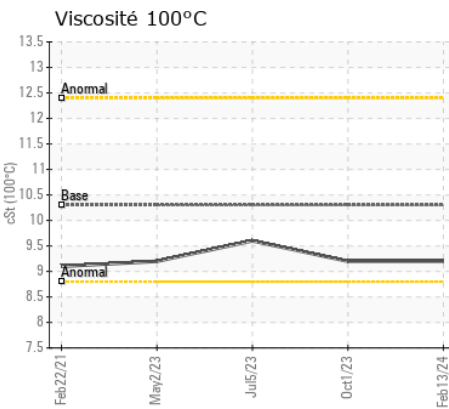
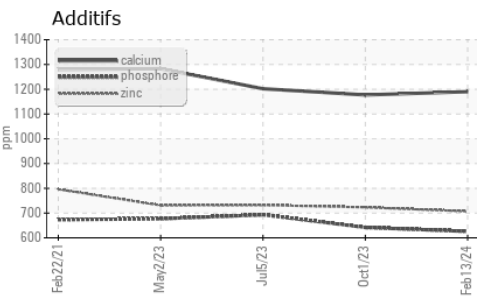
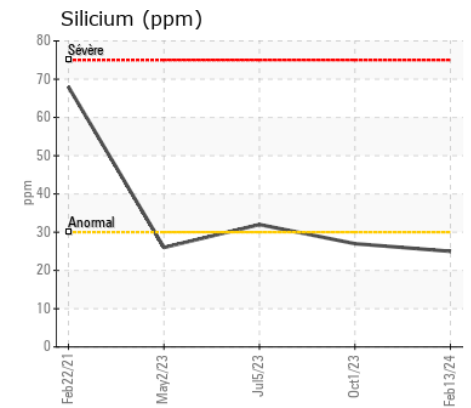
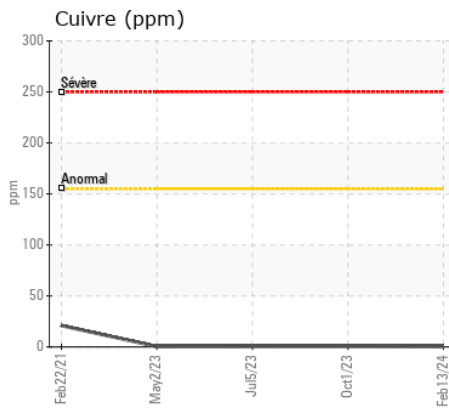
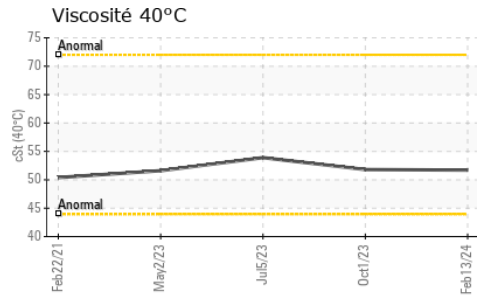
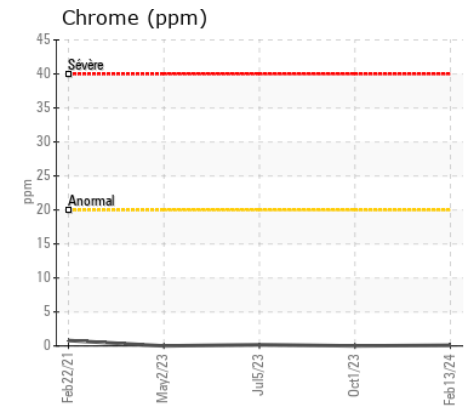
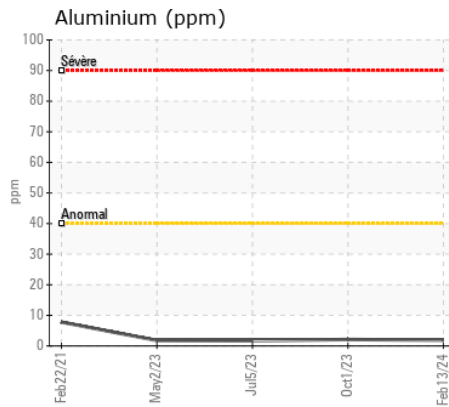
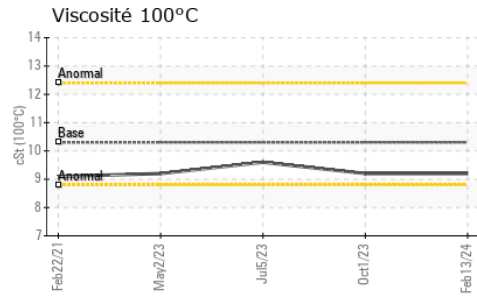
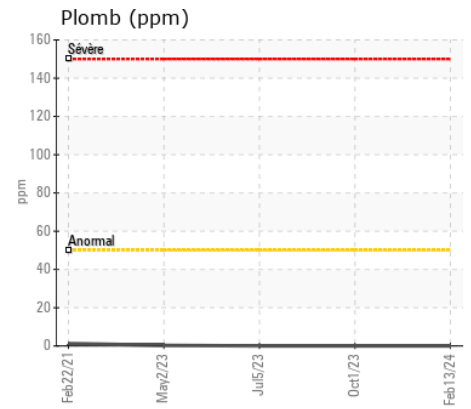
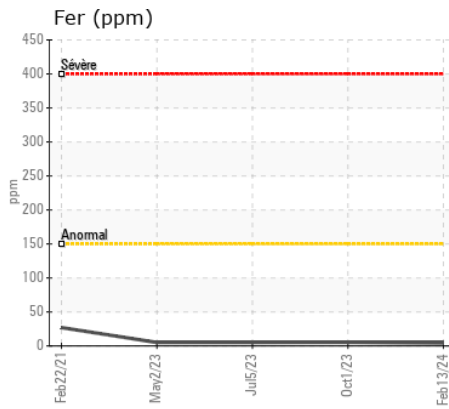
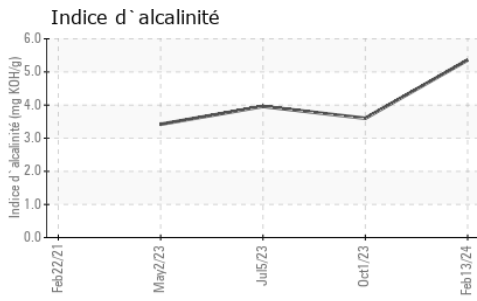
Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |       |                |       |       |
|----------------|----------|---------------|-------|----------------|-------|-------|
| Silicium       | ppm      | ASTM D5185(m) | >30   | <b>25</b>      | 27    | 32    |
| Potassium      | ppm      | ASTM D5185(m) | >20   | <b>1</b>       | 0     | <1    |
| Essence        |          | WC Method     | >4.0  | <b>&lt;1.0</b> | <1.0  | <1.0  |
| L'eau          |          | WC Method     | >0.2  | <b>NEG</b>     | NEG   | NEG   |
| Glycol         |          | WC Method     |       | <b>NEG</b>     | NEG   | NEG   |
| % de suie      | %        | ASTM D7844*   |       | <b>0</b>       | 0     | 0     |
| Nitration      | Abs/cm   | ASTM D7624*   | >20   | <b>12.6</b>    | 12.7  | 12.4  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30   | <b>26.0</b>    | 26.0  | 26.1  |
| Limon          | scalar   | Visual*       | NONE  | <b>NONE</b>    | VLITE | NONE  |
| Débris         | scalar   | Visual*       | NONE  | <b>NONE</b>    | VLITE | NONE  |
| Saleté         | scalar   | Visual*       | NONE  | <b>NONE</b>    | NONE  | NONE  |
| Apparence      | scalar   | Visual*       | NORML | <b>NORML</b>   | NORML | NORML |
| Odeur          | scalar   | Visual*       | NORML | <b>NORML</b>   | NORML | NORML |
| Eau émulsifiée | scalar   | Visual*       | >0.2  | <b>NEG</b>     | NEG   | NEG   |

## ÉTAT DU FLUIDE

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

|                          |          |               |      |             |      |      |
|--------------------------|----------|---------------|------|-------------|------|------|
| Sodium                   | ppm      | ASTM D5185(m) | >400 | <b>3</b>    | 3    | 4    |
| Bore                     | ppm      | ASTM D5185(m) |      | <b>57</b>   | 28   | 39   |
| Baryum                   | ppm      | ASTM D5185(m) |      | <b>0</b>    | <1   | 0    |
| Molybdène                | ppm      | ASTM D5185(m) |      | <b>69</b>   | 69   | 69   |
| Manganèse                | ppm      | ASTM D5185(m) |      | <b>0</b>    | 0    | <1   |
| Magnésium                | ppm      | ASTM D5185(m) |      | <b>477</b>  | 487  | 505  |
| Calcium                  | ppm      | ASTM D5185(m) | 2000 | <b>1190</b> | 1177 | 1202 |
| Phosphore                | ppm      | ASTM D5185(m) | 900  | <b>626</b>  | 642  | 693  |
| Zinc                     | ppm      | ASTM D5185(m) | 1000 | <b>707</b>  | 723  | 732  |
| Soufre                   | ppm      | ASTM D5185(m) |      | <b>2450</b> | 2239 | 2323 |
| Oxydation                | Abs/.1mm | ASTM D7414*   | >25  | <b>18.1</b> | 18.7 | 19.1 |
| Indice d'alcalinité      | mg KOH/g | ASTM D2896*   |      | <b>5.36</b> | 3.60 | 3.96 |
| Visc 40°C                | cSt      | ASTM D7279(m) |      | <b>51.7</b> | 51.8 | 53.9 |
| Visc 100°C               | cSt      | ASTM D7279(m) | 10.3 | <b>9.2</b>  | 9.2  | 9.6  |
| Indice de viscosité (VI) | Scale    | ASTM D2270*   |      | <b>161</b>  | 160  | 164  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0079434  
**N° de laboratoire** : 02618953  
**Numéro unique** : 5736063  
**Analyse** : MOB 2 ( Additional Tests: KV40, VI )

**Reçu** : 29 Feb 2024  
**Tested** : 01 Mar 2024  
**Diagnostiqué** : 01 Mar 2024 - Kevin Marson

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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