



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**33212643 - UNIT 1**

Composant

**Moteur diesel**

Fluide

**APRIL SUPERFLO GOLD K 5W40 (--- GAL)**

## RECOMMANDATION

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>CU0020370</b>   | CU0020425   | CU0020428   |
| Date d'échant.      |     | Client Info |           | <b>21 Jun 2023</b> | 15 Apr 2023 | 04 Apr 2023 |
| Âge d la Machine    | hrs | Client Info |           | <b>21550</b>       | 20525       | 26022       |
| Âge de l'huile      | hrs | Client Info |           | <b>550</b>         | 525         | 500         |
| Âge du filtre       | hrs | Client Info |           | <b>550</b>         | 525         | 500         |
| 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) | >65 | <b>3</b>     | 3  | 3  |
| Chrome    | ppm | ASTM D5185(m) | >3  | <b>0</b>     | 0  | 0  |
| Nickel    | ppm | ASTM D5185(m) | >2  | <b>0</b>     | 0  | 0  |
| Titane    | ppm | ASTM D5185(m) | >2  | <b>0</b>     | <1 | 0  |
| Argent    | ppm | ASTM D5185(m) | >2  | <b>0</b>     | 0  | 0  |
| Aluminium | ppm | ASTM D5185(m) | >6  | <b>&lt;1</b> | <1 | <1 |
| Plomb     | ppm | ASTM D5185(m) | >13 | <b>&lt;1</b> | 0  | 0  |
| Cuivre    | ppm | ASTM D5185(m) | >65 | <b>&lt;1</b> | 0  | 0  |
| Étain     | ppm | ASTM D5185(m) | >2  | <b>0</b>     | 0  | 0  |
| Vanadium  | ppm | ASTM D5185(m) |     | <b>0</b>     | 0  | 0  |

## CONTAMINATION

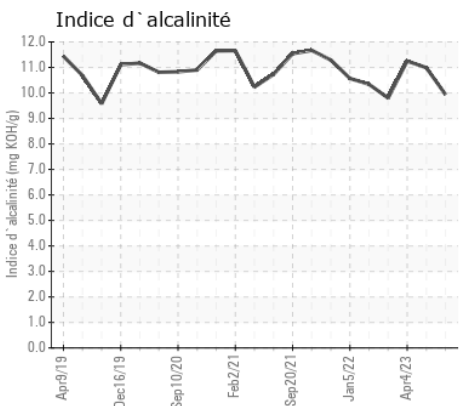
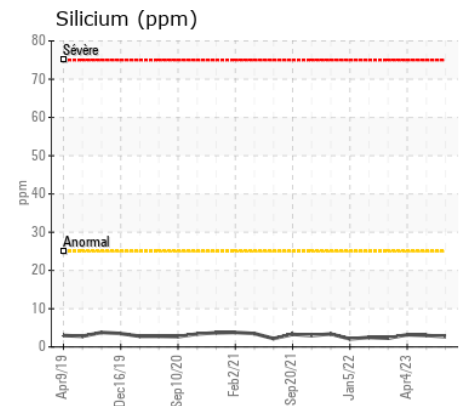
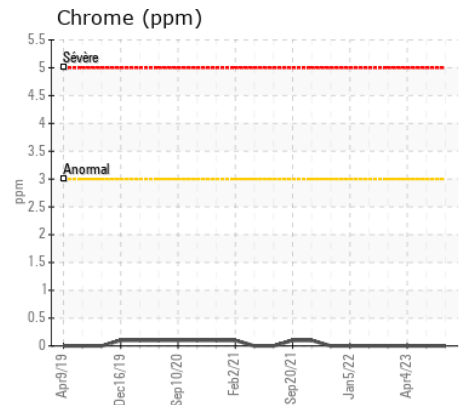
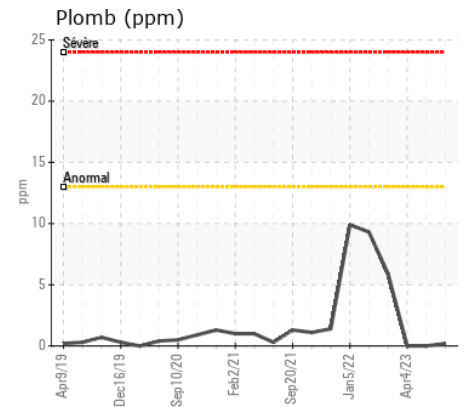
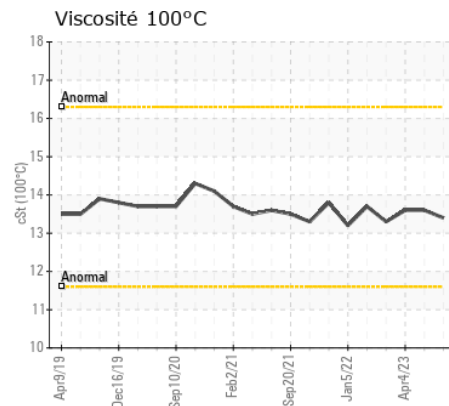
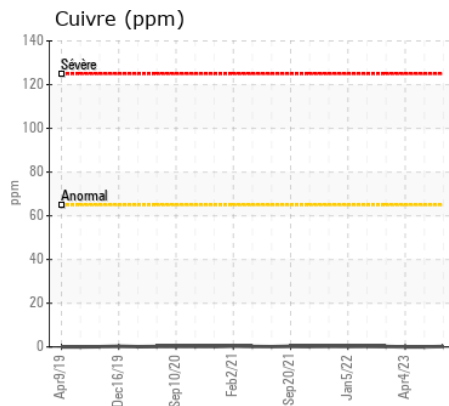
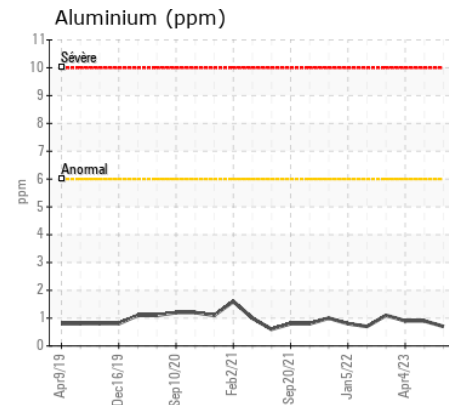
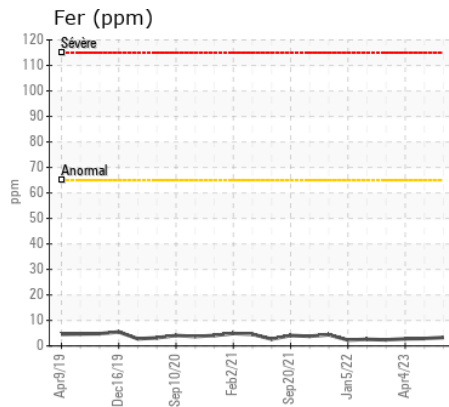
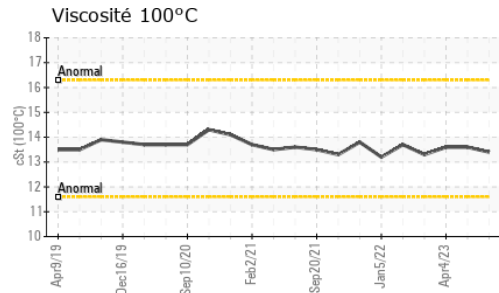
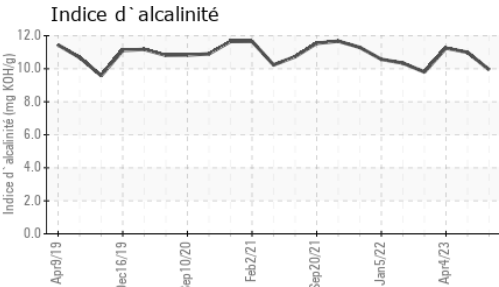
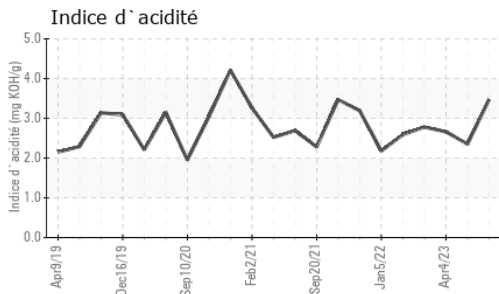
Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |      |                |      |      |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >25  | <b>3</b>       | 3    | 3    |
| Potassium      | ppm      | ASTM D5185(m) | >20  | <b>0</b>       | 0    | 0    |
| Essence        |          | WC Method     | >3.0 | <b>&lt;1.0</b> | <1.0 | <1.0 |
| Glycol         |          | WC Method     |      | <b>NEG</b>     | NEG  | NEG  |
| % de suie      | %        | ASTM D7844*   | >6   | <b>0.1</b>     | 0.1  | 0    |
| Nitration      | Abs/cm   | ASTM D7624*   | >20  | <b>8.5</b>     | 8.2  | 8.5  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30  | <b>21.2</b>    | 21.0 | 23.7 |
| Eau émulsifiée | scalar   | Visual*       | >0.2 | <b>NEG</b>     | NEG  | NEG  |

## ÉTAT DU FLUIDE

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

|                     |          |               |     |             |       |       |
|---------------------|----------|---------------|-----|-------------|-------|-------|
| Sodium              | ppm      | ASTM D5185(m) |     | <b>4</b>    | 4     | 4     |
| Bore                | ppm      | ASTM D5185(m) |     | <b>36</b>   | 40    | 44    |
| Baryum              | ppm      | ASTM D5185(m) |     | <b>0</b>    | 0     | 0     |
| Molybdène           | ppm      | ASTM D5185(m) |     | <b>60</b>   | 62    | 62    |
| Manganèse           | ppm      | ASTM D5185(m) |     | <b>0</b>    | <1    | <1    |
| Magnésium           | ppm      | ASTM D5185(m) |     | <b>1174</b> | 1157  | 1167  |
| Calcium             | ppm      | ASTM D5185(m) |     | <b>859</b>  | 916   | 920   |
| Phosphore           | ppm      | ASTM D5185(m) |     | <b>1084</b> | 1110  | 1121  |
| Zinc                | ppm      | ASTM D5185(m) |     | <b>1232</b> | 1241  | 1246  |
| Soufre              | ppm      | ASTM D5185(m) |     | <b>2825</b> | 2925  | 2987  |
| Oxydation           | Abs/.1mm | ASTM D7414*   | >25 | <b>18.4</b> | 18.6  | 18.8  |
| Indice d'acidité    | mg KOH/g | ASTM D974*    |     | <b>3.47</b> | 2.35  | 2.66  |
| Indice d'alcalinité | mg KOH/g | ASTM D2896*   |     | <b>9.94</b> | 10.99 | 11.25 |
| Visc 100°C          | cSt      | ASTM D7279(m) |     | <b>13.4</b> | 13.6  | 13.6  |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020370 **Reçu** : 26 Jul 2023  
**N° de laboratoire** : 02572227 **Diagnostiqué** : 28 Jul 2023  
**Numéro unique** : 5617278 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 2 ( Additional Tests: TAN Man )

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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