



Machine Id  
**414006**  
Component  
**Hydraulic System**  
Fluid  
**{not provided} (--- LTR)**

### RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

### WEAR

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

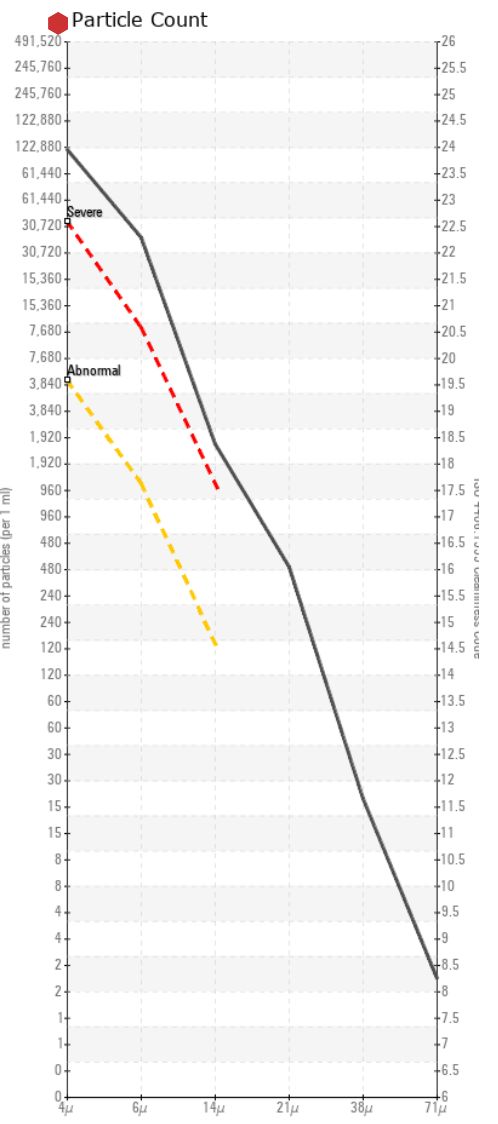
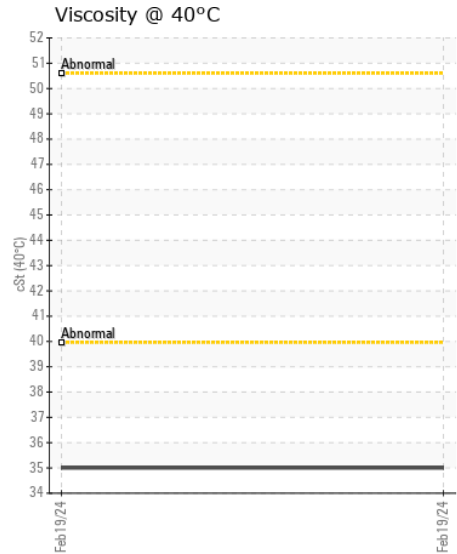
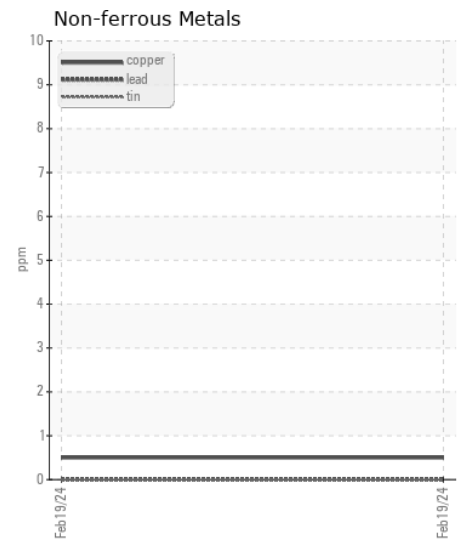
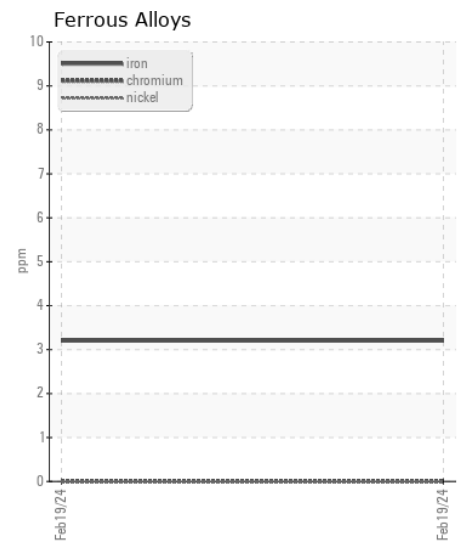
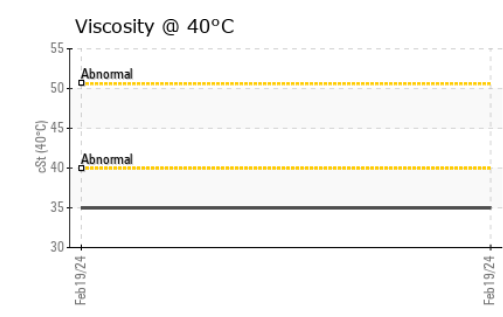
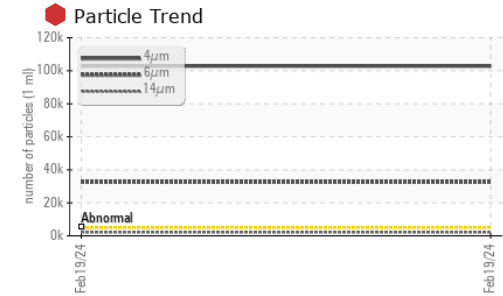
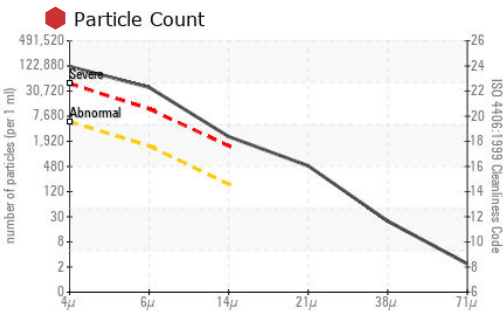
### CONTAMINATION

Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l'huile.

### FLUID CONDITION

L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

| Test             | UOM    | Method        | Limit/Abn | Current            | History1 | History2 |
|------------------|--------|---------------|-----------|--------------------|----------|----------|
| Sample Number    |        | Client Info   |           | <b>GFL0079087</b>  | ---      | ---      |
| Sample Date      |        | Client Info   |           | <b>19 Feb 2024</b> | ---      | ---      |
| Machine Age      | kms    | Client Info   |           | <b>20458</b>       | ---      | ---      |
| Oil Age          | kms    | Client Info   |           | <b>0</b>           | ---      | ---      |
| Filter Age       | kms    | Client Info   |           | <b>0</b>           | ---      | ---      |
| Oil Changed      |        | Client Info   |           | <b>N/A</b>         | ---      | ---      |
| Filter Changed   |        | Client Info   |           | <b>N/A</b>         | ---      | ---      |
| Sample Status    |        |               |           | <b>SEVERE</b>      | ---      | ---      |
| Iron             | ppm    | ASTM D5185(m) | >50       | <b>3</b>           | ---      | ---      |
| Chromium         | ppm    | ASTM D5185(m) | >10       | <b>0</b>           | ---      | ---      |
| Nickel           | ppm    | ASTM D5185(m) | >4        | <b>0</b>           | ---      | ---      |
| Titanium         | ppm    | ASTM D5185(m) |           | <b>0</b>           | ---      | ---      |
| Silver           | ppm    | ASTM D5185(m) |           | <b>0</b>           | ---      | ---      |
| Aluminum         | ppm    | ASTM D5185(m) | >5        | <b>2</b>           | ---      | ---      |
| Lead             | ppm    | ASTM D5185(m) | >4        | <b>0</b>           | ---      | ---      |
| Copper           | ppm    | ASTM D5185(m) | >15       | <b>&lt;1</b>       | ---      | ---      |
| Tin              | ppm    | ASTM D5185(m) | >4        | <b>0</b>           | ---      | ---      |
| Vanadium         | ppm    | ASTM D5185(m) |           | <b>0</b>           | ---      | ---      |
| White Metal      | scalar | Visual*       | NONE      | <b>NONE</b>        | ---      | ---      |
| Yellow Metal     | scalar | Visual*       | NONE      | <b>NONE</b>        | ---      | ---      |
| Silicon          | ppm    | ASTM D5185(m) | >15       | <b>8</b>           | ---      | ---      |
| Potassium        | ppm    | ASTM D5185(m) | >20       | <b>&lt;1</b>       | ---      | ---      |
| Water            |        | WC Method     | >0.1      | <b>NEG</b>         | ---      | ---      |
| Particles >4µm   |        | ASTM D7647    | >5000     | <b>102771</b>      | ---      | ---      |
| Particles >6µm   |        | ASTM D7647    | >1300     | <b>32550</b>       | ---      | ---      |
| Particles >14µm  |        | ASTM D7647    | >160      | <b>2178</b>        | ---      | ---      |
| Particles >21µm  |        | ASTM D7647    | >40       | <b>437</b>         | ---      | ---      |
| Particles >38µm  |        | ASTM D7647    | >10       | <b>21</b>          | ---      | ---      |
| Particles >71µm  |        | ASTM D7647    | >3        | <b>2</b>           | ---      | ---      |
| Oil Cleanliness  |        | ISO 4406 (c)  | >19/17/14 | <b>24/22/18</b>    | ---      | ---      |
| Silt             | scalar | Visual*       | NONE      | <b>NONE</b>        | ---      | ---      |
| Debris           | scalar | Visual*       | NONE      | <b>NONE</b>        | ---      | ---      |
| Sand/Dirt        | scalar | Visual*       | NONE      | <b>LIGHT</b>       | ---      | ---      |
| Appearance       | scalar | Visual*       | NORML     | <b>NORML</b>       | ---      | ---      |
| Odor             | scalar | Visual*       | NORML     | <b>NORML</b>       | ---      | ---      |
| Emulsified Water | scalar | Visual*       | >0.1      | <b>NEG</b>         | ---      | ---      |
| Sodium           | ppm    | ASTM D5185(m) |           | <b>2</b>           | ---      | ---      |
| Boron            | ppm    | ASTM D5185(m) |           | <b>3</b>           | ---      | ---      |
| Barium           | ppm    | ASTM D5185(m) |           | <b>&lt;1</b>       | ---      | ---      |
| Molybdenum       | ppm    | ASTM D5185(m) |           | <b>2</b>           | ---      | ---      |
| Manganese        | ppm    | ASTM D5185(m) |           | <b>0</b>           | ---      | ---      |
| Magnesium        | ppm    | ASTM D5185(m) |           | <b>8</b>           | ---      | ---      |
| Calcium          | ppm    | ASTM D5185(m) |           | <b>661</b>         | ---      | ---      |
| Phosphorus       | ppm    | ASTM D5185(m) |           | <b>203</b>         | ---      | ---      |
| Zinc             | ppm    | ASTM D5185(m) |           | <b>55</b>          | ---      | ---      |
| Sulfur           | ppm    | ASTM D5185(m) |           | <b>1081</b>        | ---      | ---      |
| Visc @ 40°C      | cSt    | ASTM D7279(m) |           | <b>35.0</b>        | ---      | ---      |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079087 **Received** : 21 Feb 2024  
**Lab Number** : 02617131 **Tested** : 22 Feb 2024  
**Unique Number** : 5734241 **Diagnosed** : 22 Feb 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )

**Matrec - 791 - Rimouski**  
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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.