



|                 |                 |
|-----------------|-----------------|
| WEAR            | <b>ABNORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b>   |
| FLUID CONDITION | <b>NORMAL</b>   |



Machine Id  
**811031**  
Component  
**Transmission (Auto)**  
Fluid  
**TES SYN 295 (--- GAL)**

**RECOMMENDATION**

Nous vous recommandons de vidanger le fluide 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**

Il y a indication d'usure du convertisseur de couple. Usure de palier.

**CONTAMINATION**

La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans le fluide.

**FLUID CONDITION**

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

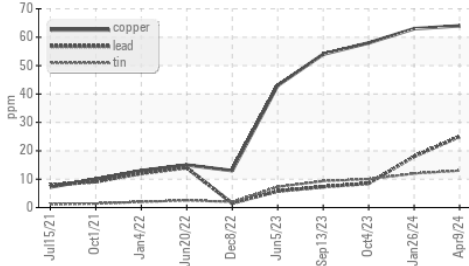
| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>GFL0117068</b>  | GFL0110441  | GFL0097419  |
| Sample Date    |     | Client Info |           | <b>09 Apr 2024</b> | 26 Jan 2024 | 04 Oct 2023 |
| Machine Age    | hrs | Client Info |           | <b>6610</b>        | 6155        | 5537        |
| Oil Age        | hrs | Client Info |           | <b>6000</b>        | 6155        | 5297        |
| Filter Age     | hrs | Client Info |           | <b>6000</b>        | 6155        | 5297        |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | N/A         | N/A         |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | N/A         | N/A         |
| Sample Status  |     |             |           | <b>ABNORMAL</b>    | ABNORMAL    | ABNORMAL    |

|              |        |               |      |              |      |      |
|--------------|--------|---------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185(m) | >160 | <b>122</b>   | 105  | 86   |
| Chromium     | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1   | <1   |
| Nickel       | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1   | <1   |
| Titanium     | ppm    | ASTM D5185(m) |      | <b>&lt;1</b> | <1   | 0    |
| Silver       | ppm    | ASTM D5185(m) | >5   | <b>0</b>     | 0    | <1   |
| Aluminum     | ppm    | ASTM D5185(m) | >50  | <b>▲ 65</b>  | ▲ 59 | 48   |
| Lead         | ppm    | ASTM D5185(m) | >50  | <b>25</b>    | 18   | 8    |
| Copper       | ppm    | ASTM D5185(m) | >225 | <b>64</b>    | 63   | 58   |
| Tin          | ppm    | ASTM D5185(m) | >10  | <b>▲ 13</b>  | ▲ 12 | ▲ 10 |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |

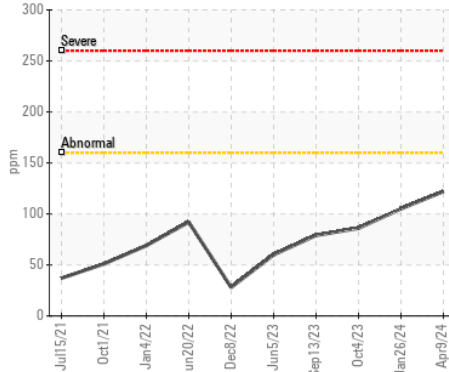
|                  |        |               |       |              |       |       |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185(m) | >20   | <b>11</b>    | 11    | 10    |
| Potassium        | ppm    | ASTM D5185(m) | >20   | <b>5</b>     | 5     | 4     |
| Water            | %      | ASTM D6304*   | >0.1  | <b>0.021</b> | ---   | ---   |
| ppm Water        | ppm    | ASTM D6304*   | >1000 | <b>214</b>   | ---   | ---   |
| Glycol           | %      | ASTM D7922*   |       | <b>0.0</b>   | 0.0   | 0.0   |
| Silt             | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | Visual*       | NONE  | <b>VLITE</b> | VLITE | NONE  |
| Sand/Dirt        | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Appearance       | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Odor             | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Emulsified Water | scalar | Visual*       | >0.1  | <b>.2%</b>   | NEG   | NEG   |

|             |     |               |      |              |      |      |
|-------------|-----|---------------|------|--------------|------|------|
| Sodium      | ppm | ASTM D5185(m) |      | <b>99</b>    | 100  | 97   |
| Boron       | ppm | ASTM D5185(m) | 85   | <b>36</b>    | 32   | 33   |
| Barium      | ppm | ASTM D5185(m) | 0    | <b>&lt;1</b> | 0    | <1   |
| Molybdenum  | ppm | ASTM D5185(m) | 0    | <b>0</b>     | <1   | <1   |
| Manganese   | ppm | ASTM D5185(m) | 0    | <b>2</b>     | 1    | 1    |
| Magnesium   | ppm | ASTM D5185(m) | 1    | <b>3</b>     | 3    | 2    |
| Calcium     | ppm | ASTM D5185(m) | 100  | <b>111</b>   | 120  | 112  |
| Phosphorus  | ppm | ASTM D5185(m) | 200  | <b>217</b>   | 208  | 204  |
| Zinc        | ppm | ASTM D5185(m) | 0    | <b>12</b>    | 14   | 11   |
| Sulfur      | ppm | ASTM D5185(m) | 1500 | <b>1535</b>  | 1469 | 1407 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 37.0 | <b>31.5</b>  | 32.2 | 32.8 |

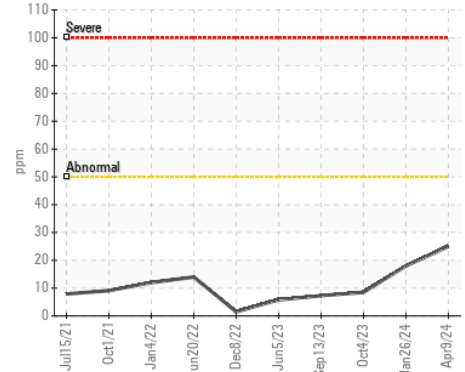
▲ Non-ferrous Metals



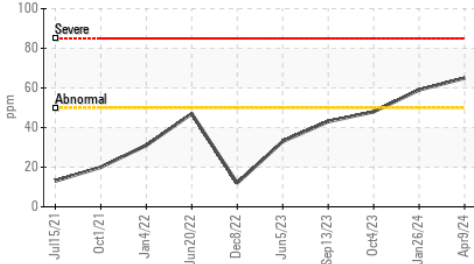
Iron (ppm)



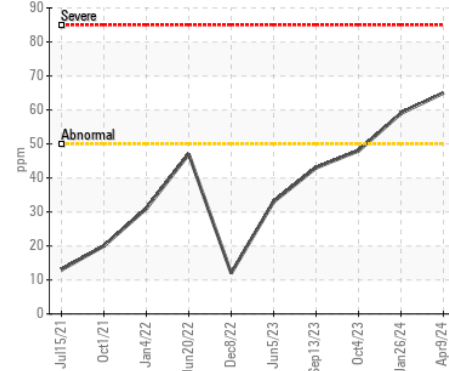
Lead (ppm)



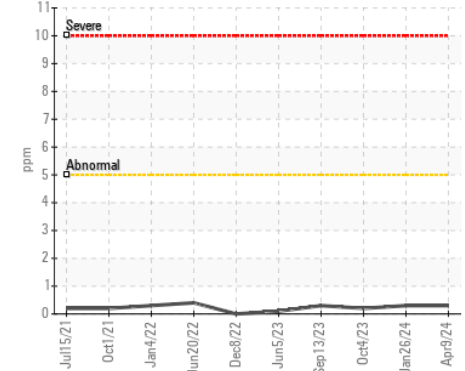
▲ Aluminum (ppm)



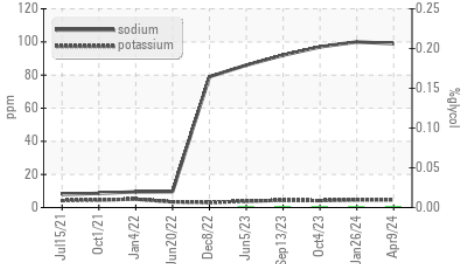
▲ Aluminum (ppm)



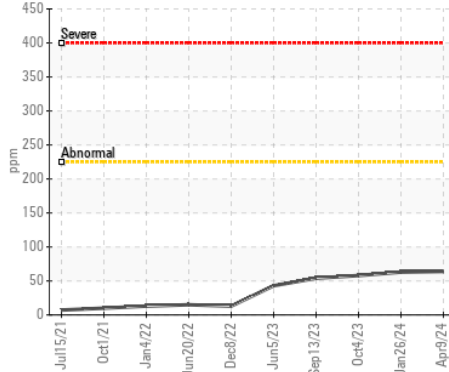
Chromium (ppm)



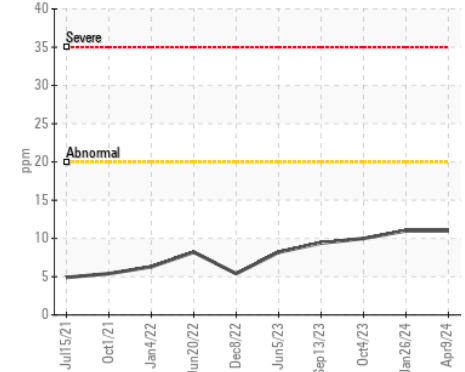
Glycol Contamination



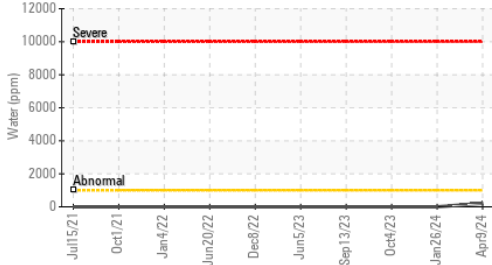
Copper (ppm)



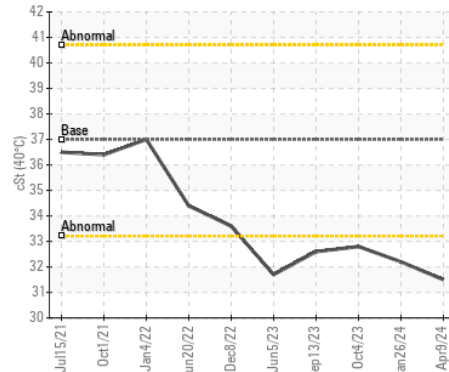
Silicon (ppm)



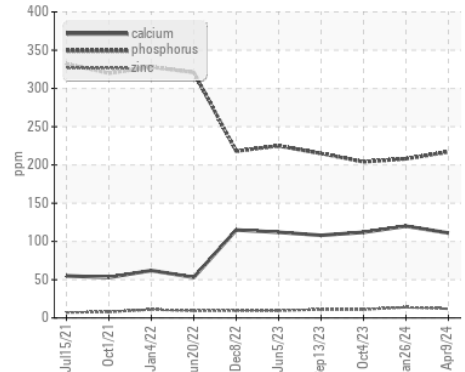
Water (KF)



Viscosity @ 40°C



Additives



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0117068  
**Lab Number** : 02628247  
**Unique Number** : 5761379  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KF )

**Received** : 11 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 12 Apr 2024 - Kevin Marson

**GFL Environmental - 732 - Beauce - Hauling - Solid Waste**  
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 Beauceville, QC  
 CA G5X 2S9  
 Contact: Sandrine Duval  
 sduval@matrec.ca  
 T: (418)774-5275  
 F: (418)774-5292

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.