



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

RAPPORT D'ANALYSE D'HUILE

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

Secteur

**DOUANE TROUT RIVER [199770]**

Identité de la machine

**JOHN DEERE GD3500**

Composant

**Moteur diesel**

Fluide

**APRIL SUPERFLO RXL1 GOLD PLUS DIESEL 15W40 (--- 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>WA0019868</b>   | GD0005809   | GD0004993   |
| Date d'échant.      |     | Client Info |           | <b>13 Sep 2023</b> | 08 Sep 2022 | 08 Sep 2021 |
| Âge de la Machine   | hrs | Client Info |           | <b>1600</b>        | 1418        | 1378        |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | 0           | 64          |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | 0           | 64          |
| Huile changée       |     | Client Info |           | <b>Changed</b>     | Changed     | Changed     |
| Filtre changé       |     | Client Info |           | <b>N/A</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) | >51 | <b>7</b>     | 2  | 3  |
| Chrome    | ppm | ASTM D5185(m) | >11 | <b>&lt;1</b> | 0  | <1 |
| Nickel    | ppm | ASTM D5185(m) | >5  | <b>0</b>     | 0  | <1 |
| Titane    | ppm | ASTM D5185(m) |     | <b>0</b>     | 0  | 0  |
| Argent    | ppm | ASTM D5185(m) | >3  | <b>0</b>     | 0  | 0  |
| Aluminium | ppm | ASTM D5185(m) | >31 | <b>1</b>     | <1 | <1 |
| Plomb     | ppm | ASTM D5185(m) | >26 | <b>2</b>     | <1 | <1 |
| Cuivre    | ppm | ASTM D5185(m) | >26 | <b>&lt;1</b> | 1  | <1 |
| Étain     | ppm | ASTM D5185(m) | >4  | <b>0</b>     | <1 | <1 |
| Vanadium  | ppm | ASTM D5185(m) |     | <b>0</b>     | 0  | 0  |

**CONTAMINATION**

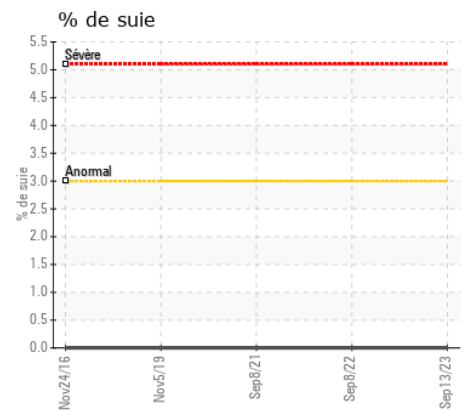
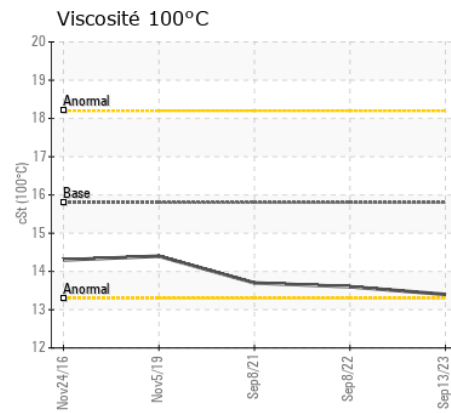
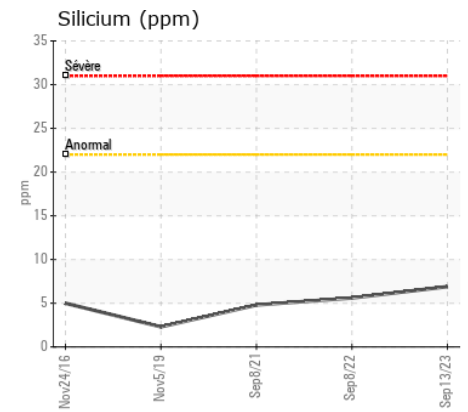
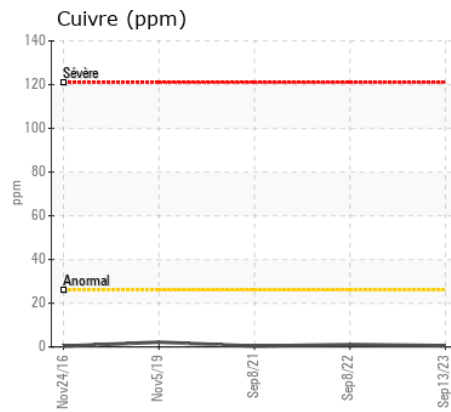
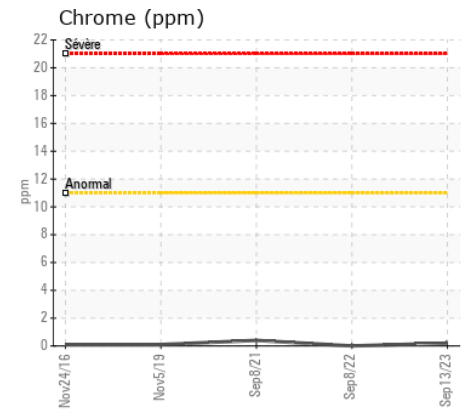
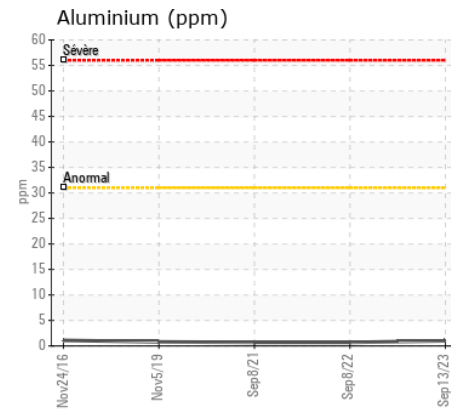
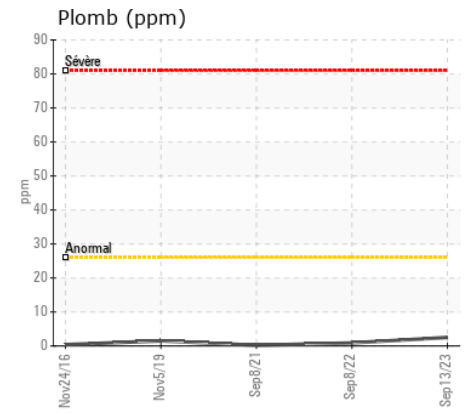
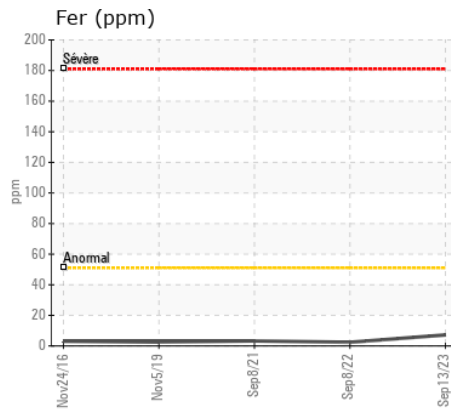
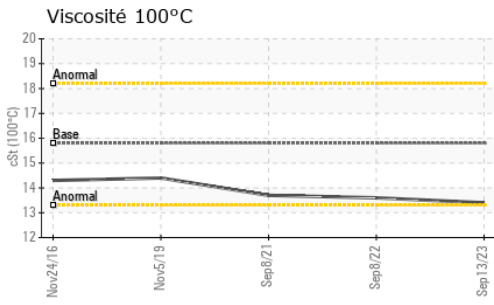
Il n'y a aucun indice de contamination dans l'huile.

|                |          |               |       |                |      |      |
|----------------|----------|---------------|-------|----------------|------|------|
| Silicium       | ppm      | ASTM D5185(m) | >22   | <b>7</b>       | 6    | 5    |
| Potassium      | ppm      | ASTM D5185(m) | >20   | <b>0</b>       | <1   | <1   |
| Essence        |          | WC Method     | >2.1  | <b>&lt;1.0</b> | <1.0 | <1.0 |
| Glycol         |          | WC Method     |       | <b>NEG</b>     | NEG  | NEG  |
| % de suie      | %        | ASTM D7844*   | >3    | <b>0</b>       | 0    | 0    |
| Nitration      | Abs/cm   | ASTM D7624*   | >20   | <b>5.9</b>     | 5.0  | 5.4  |
| Sulfatation    | Abs/.1mm | ASTM D7415*   | >30   | <b>18.2</b>    | 19.2 | 18.8 |
| Eau émulsifiée | scalar   | Visual*       | >0.21 | <b>NEG</b>     | NEG  | NEG  |

**ÉTAT DU FLUIDE**

L'état de l'huile est acceptable pour la durée de service.

|            |          |               |      |              |      |      |
|------------|----------|---------------|------|--------------|------|------|
| Sodium     | ppm      | ASTM D5185(m) | >31  | <b>1</b>     | 1    | 1    |
| Bore       | ppm      | ASTM D5185(m) |      | <b>2</b>     | 1    | 2    |
| Baryum     | ppm      | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| Molybdène  | ppm      | ASTM D5185(m) |      | <b>62</b>    | 58   | 53   |
| Manganèse  | ppm      | ASTM D5185(m) |      | <b>&lt;1</b> | <1   | <1   |
| Magnésium  | ppm      | ASTM D5185(m) |      | <b>1026</b>  | 969  | 980  |
| Calcium    | ppm      | ASTM D5185(m) |      | <b>1086</b>  | 1076 | 1046 |
| Phosphore  | ppm      | ASTM D5185(m) |      | <b>1115</b>  | 1108 | 1091 |
| Zinc       | ppm      | ASTM D5185(m) |      | <b>1217</b>  | 1192 | 1231 |
| Soufre     | ppm      | ASTM D5185(m) |      | <b>2674</b>  | 2740 | 2651 |
| Oxydation  | Abs/.1mm | ASTM D7414*   | >25  | <b>13.7</b>  | 14.0 | 14.3 |
| Visc 100°C | cSt      | ASTM D7279(m) | 15.8 | <b>13.4</b>  | 13.6 | 13.7 |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WA0019868  
**N° de laboratoire** : 02583448  
**Numéro unique** : 5644513  
**Analyse** : MOB 1

**Reçu** : 19 Sep 2023  
**Diagnostiqué** : 19 Sep 2023  
**Diagnostiqueur** : Wes Davis

**Generatrice Drummond**  
 243 rue des ARTISANS  
 SAINT-GERMAIN-DE-GRANTHAM, QC  
 CA J0C 1K0  
 Contact: Valerie Poirier  
 poiirivalerie@generatricedrummond.com  
 T: (819)398-6811  
 F: (819)398-7022

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.