

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**NO UNIT WA0020564**

Component  
**Diesel Engine**

Fluid  
**APRIL SUPERFLO SUPERPRO RXL1 GOLD UNIVERSAL 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

### Wear

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

### Contamination

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

### Fluid Condition

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>WA0020564</b>   | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>11 Oct 2023</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | ---      | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ---      | ---      |

| CONTAMINATION |           | method | limit/base | current        | history1 | history2 |
|---------------|-----------|--------|------------|----------------|----------|----------|
| Fuel          | WC Method | >5     |            | <b>&lt;1.0</b> | ---      | ---      |
| Glycol        | WC Method |        |            | <b>NEG</b>     | ---      | ---      |

| WEAR METALS |     | method        | limit/base | current      | history1 | history2 |
|-------------|-----|---------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185(m) | >100       | <b>2</b>     | ---      | ---      |
| Chromium    | ppm | ASTM D5185(m) | >20        | <b>&lt;1</b> | ---      | ---      |
| Nickel      | ppm | ASTM D5185(m) | >4         | <b>0</b>     | ---      | ---      |
| Titanium    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Silver      | ppm | ASTM D5185(m) | >3         | <b>&lt;1</b> | ---      | ---      |
| Aluminum    | ppm | ASTM D5185(m) | >20        | <b>&lt;1</b> | ---      | ---      |
| Lead        | ppm | ASTM D5185(m) | >40        | <b>&lt;1</b> | ---      | ---      |
| Copper      | ppm | ASTM D5185(m) | >330       | <b>&lt;1</b> | ---      | ---      |
| Tin         | ppm | ASTM D5185(m) | >15        | <b>0</b>     | ---      | ---      |
| Antimony    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Vanadium    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Beryllium   | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Cadmium     | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |

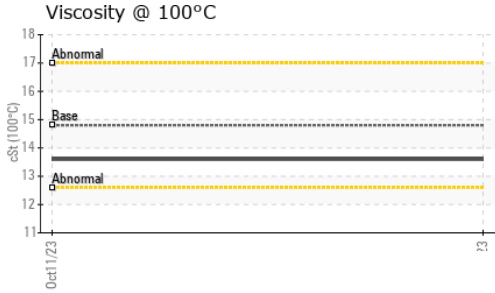
| ADDITIVES  |     | method        | limit/base | current      | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185(m) |            | <b>1</b>     | ---      | ---      |
| Barium     | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |
| Molybdenum | ppm | ASTM D5185(m) |            | <b>57</b>    | ---      | ---      |
| Manganese  | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Magnesium  | ppm | ASTM D5185(m) |            | <b>943</b>   | ---      | ---      |
| Calcium    | ppm | ASTM D5185(m) |            | <b>1020</b>  | ---      | ---      |
| Phosphorus | ppm | ASTM D5185(m) |            | <b>956</b>   | ---      | ---      |
| Zinc       | ppm | ASTM D5185(m) |            | <b>1131</b>  | ---      | ---      |
| Sulfur     | ppm | ASTM D5185(m) |            | <b>2473</b>  | ---      | ---      |
| Lithium    | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |

| CONTAMINANTS |     | method        | limit/base | current   | history1 | history2 |
|--------------|-----|---------------|------------|-----------|----------|----------|
| Silicon      | ppm | ASTM D5185(m) | >25        | <b>19</b> | ---      | ---      |
| Sodium       | ppm | ASTM D5185(m) |            | <b>2</b>  | ---      | ---      |
| Potassium    | ppm | ASTM D5185(m) | >20        | <b>0</b>  | ---      | ---      |

| INFRA-RED |          | method      | limit/base | current     | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot %    | %        | ASTM D7844* | >3         | <b>0</b>    | ---      | ---      |
| Nitration | Abs/cm   | ASTM D7624* | >20        | <b>5.2</b>  | ---      | ---      |
| Sulfation | Abs/.1mm | ASTM D7415* | >30        | <b>18.1</b> | ---      | ---      |

| FLUID DEGRADATION |          | method      | limit/base | current     | history1 | history2 |
|-------------------|----------|-------------|------------|-------------|----------|----------|
| Oxidation         | Abs/.1mm | ASTM D7414* | >25        | <b>13.7</b> | ---      | ---      |

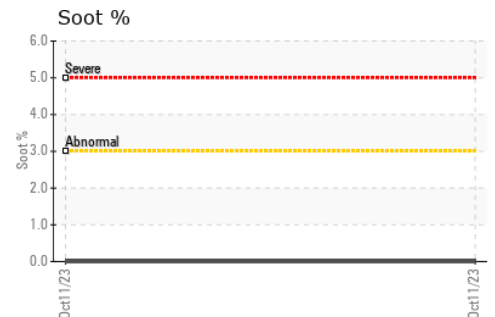
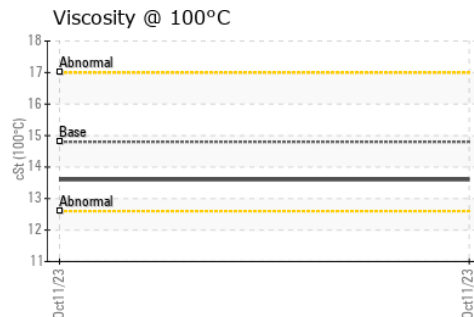
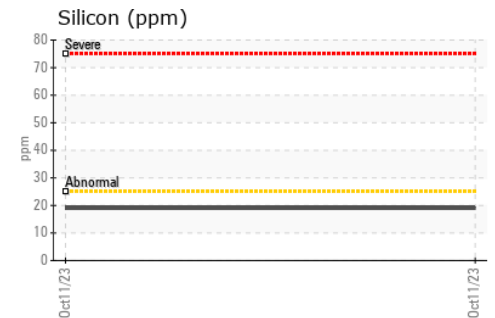
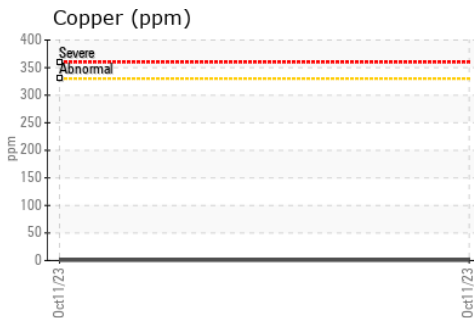
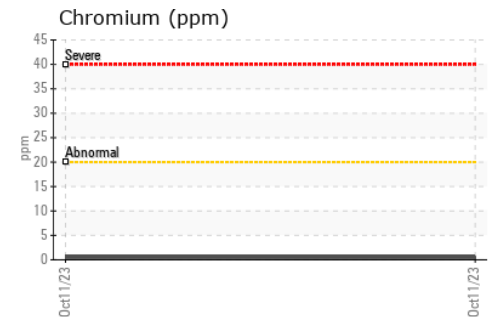
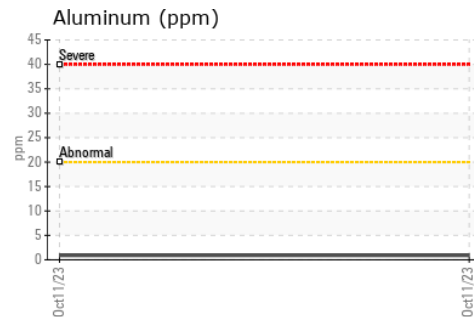
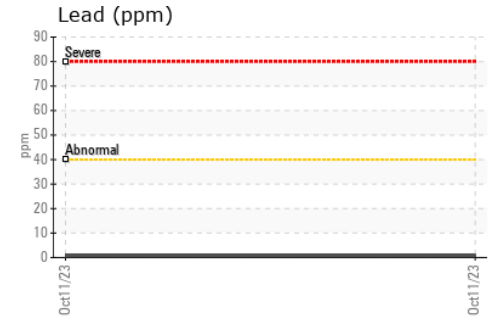
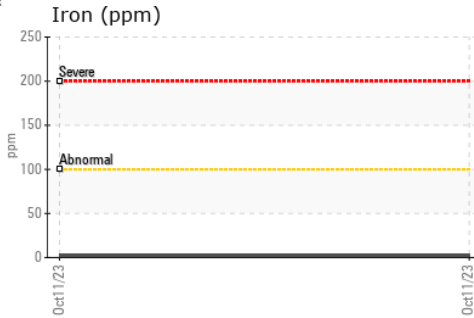
# OIL ANALYSIS REPORT



| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Emulsified Water | scalar | Visual*    | >0.2    | NEG      | ---      |
| Free Water       | scalar | Visual*    |         | NEG      | ---      |

| FLUID PROPERTIES | method | limit/base    | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 100°C     | cSt    | ASTM D7279(m) | 14.8    | 13.6     | ---      |

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020564  
**Lab Number** : 02590215  
**Unique Number** : 5659281  
**Test Package** : MOB 1

**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

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.