



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

OIL ANALYSIS REPORT

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

Area  
**CAVENDISH PRODUCE [6100313752]**

Machine Id  
**TAD-1641GE**

Component  
**Diesel Engine**

Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 15W40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

| Test           | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number  |     | Client Info |           | <b>WA0021184</b>   | ---      | ---      |
| Sample Date    |     | Client Info |           | <b>24 Jun 2024</b> | ---      | ---      |
| Machine Age    | hrs | Client Info |           | <b>559</b>         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | <b>59</b>          | ---      | ---      |
| Filter Age     | hrs | Client Info |           | <b>59</b>          | ---      | ---      |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ---      | ---      |

**WEAR**

Metal levels are typical for a new component breaking in.

|              |        |               |      |              |     |     |
|--------------|--------|---------------|------|--------------|-----|-----|
| Iron         | ppm    | ASTM D5185(m) | >80  | <b>2</b>     | --- | --- |
| Chromium     | ppm    | ASTM D5185(m) | >6   | <b>0</b>     | --- | --- |
| Nickel       | ppm    | ASTM D5185(m) | >2   | <b>&lt;1</b> | --- | --- |
| Titanium     | ppm    | ASTM D5185(m) | >2   | <b>0</b>     | --- | --- |
| Silver       | ppm    | ASTM D5185(m) | >2   | <b>0</b>     | --- | --- |
| Aluminum     | ppm    | ASTM D5185(m) | >20  | <b>1</b>     | --- | --- |
| Lead         | ppm    | ASTM D5185(m) | >95  | <b>0</b>     | --- | --- |
| Copper       | ppm    | ASTM D5185(m) | >85  | <b>&lt;1</b> | --- | --- |
| Tin          | ppm    | ASTM D5185(m) | >9   | <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>  | --- | --- |

**CONTAMINATION**

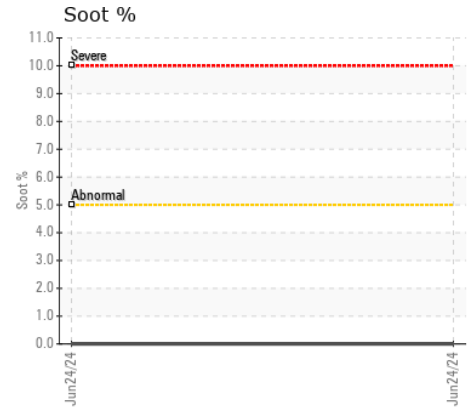
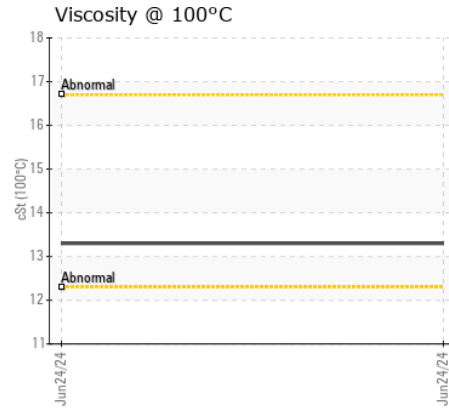
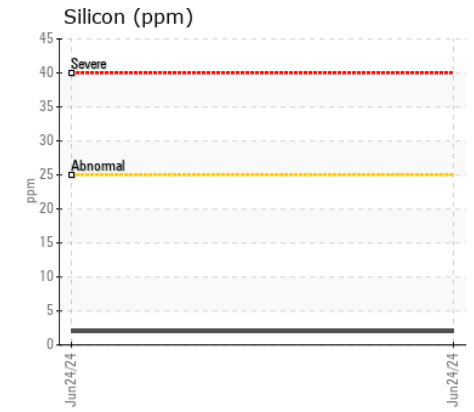
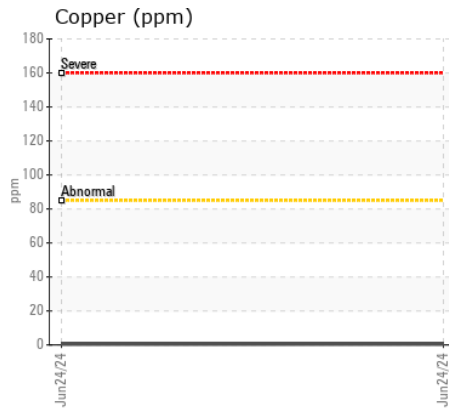
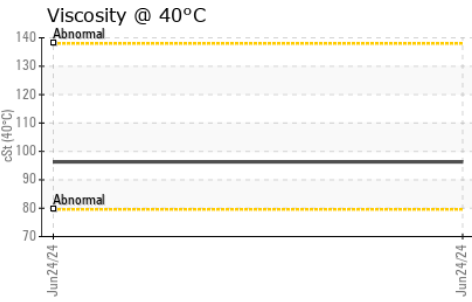
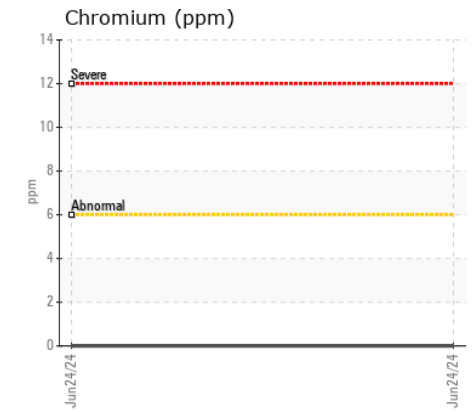
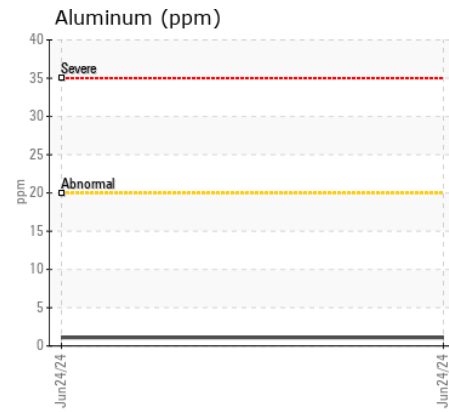
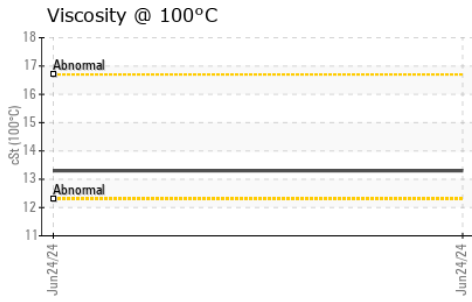
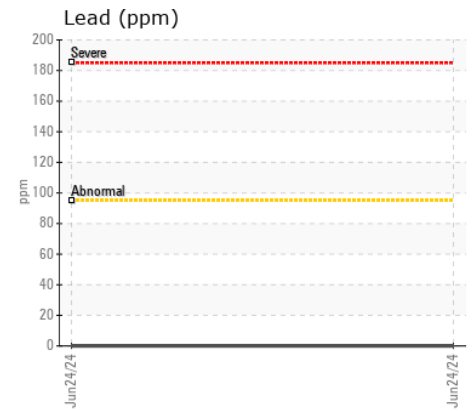
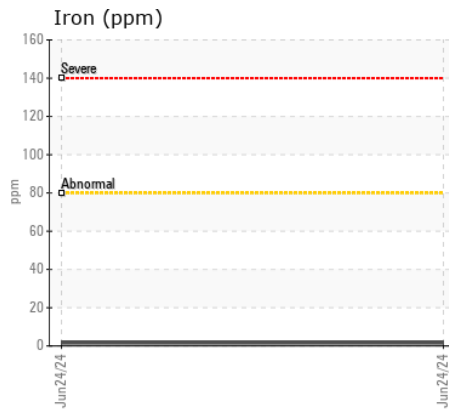
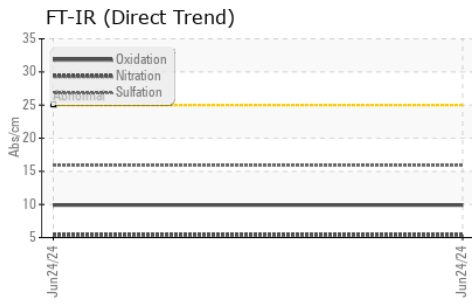
There is no indication of any contamination in the oil.

|                  |          |               |       |                |     |     |
|------------------|----------|---------------|-------|----------------|-----|-----|
| Silicon          | ppm      | ASTM D5185(m) | >25   | <b>2</b>       | --- | --- |
| Potassium        | ppm      | ASTM D5185(m) | >20   | <b>1</b>       | --- | --- |
| Fuel             |          | WC Method     | >4.0  | <b>&lt;1.0</b> | --- | --- |
| Water            |          | WC Method     | >0.1  | <b>NEG</b>     | --- | --- |
| Glycol           |          | WC Method     |       | <b>NEG</b>     | --- | --- |
| Soot %           | %        | ASTM D7844*   |       | <b>0</b>       | --- | --- |
| Nitration        | Abs/cm   | ASTM D7624*   | >20   | <b>5.4</b>     | --- | --- |
| Sulfation        | Abs/.1mm | ASTM D7415*   | >30   | <b>15.9</b>    | --- | --- |
| Silt             | scalar   | Visual*       | NONE  | <b>NONE</b>    | --- | --- |
| Debris           | scalar   | Visual*       | NONE  | <b>NONE</b>    | --- | --- |
| Sand/Dirt        | scalar   | Visual*       | NONE  | <b>VLITE</b>   | --- | --- |
| Appearance       | scalar   | Visual*       | NORML | <b>NORML</b>   | --- | --- |
| Odor             | scalar   | Visual*       | NORML | <b>NORML</b>   | --- | --- |
| Emulsified Water | scalar   | Visual*       | >0.1  | <b>NEG</b>     | --- | --- |

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

|                      |          |               |     |             |     |     |
|----------------------|----------|---------------|-----|-------------|-----|-----|
| Sodium               | ppm      | ASTM D5185(m) |     | <b>1</b>    | --- | --- |
| Boron                | ppm      | ASTM D5185(m) |     | <b>7</b>    | --- | --- |
| Barium               | ppm      | ASTM D5185(m) |     | <b>0</b>    | --- | --- |
| Molybdenum           | ppm      | ASTM D5185(m) |     | <b>14</b>   | --- | --- |
| Manganese            | ppm      | ASTM D5185(m) |     | <b>0</b>    | --- | --- |
| Magnesium            | ppm      | ASTM D5185(m) |     | <b>220</b>  | --- | --- |
| Calcium              | ppm      | ASTM D5185(m) |     | <b>1994</b> | --- | --- |
| Phosphorus           | ppm      | ASTM D5185(m) |     | <b>898</b>  | --- | --- |
| Zinc                 | ppm      | ASTM D5185(m) |     | <b>1039</b> | --- | --- |
| Sulfur               | ppm      | ASTM D5185(m) |     | <b>2980</b> | --- | --- |
| Oxidation            | Abs/.1mm | ASTM D7414*   | >25 | <b>9.9</b>  | --- | --- |
| Visc @ 40°C          | cSt      | ASTM D7279(m) |     | <b>96.3</b> | --- | --- |
| Visc @ 100°C         | cSt      | ASTM D7279(m) |     | <b>13.3</b> | --- | --- |
| Viscosity Index (VI) | Scale    | ASTM D2270*   |     | <b>137</b>  | --- | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021184 **Received** : 03 Jul 2024  
**Lab Number** : 02645140 **Tested** : 03 Jul 2024  
**Unique Number** : 5802679 **Diagnosed** : 03 Jul 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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.

**Wajax Power Systems**  
 485 VENTURE DR  
 MONCTON, NB  
 CA E1H 2P4  
 Contact: Doug Balsler  
 dbalsler@wajax.com  
 T: (506)855-5371  
 F: (506)870-4448