

Area  
**MICHAUDVILLE**

Machine Id  
**5107**  
Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
Please specify the component make and model with your next sample.

**WEAR**

All component wear rates are normal.

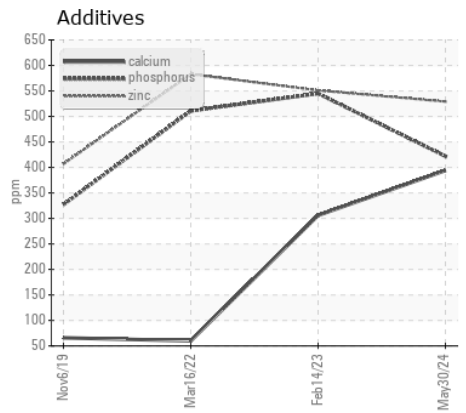
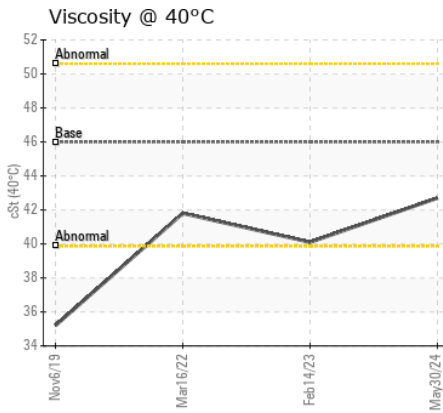
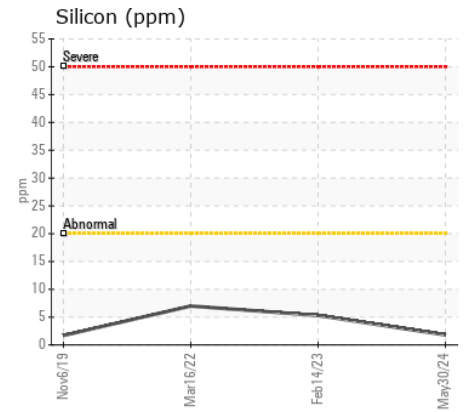
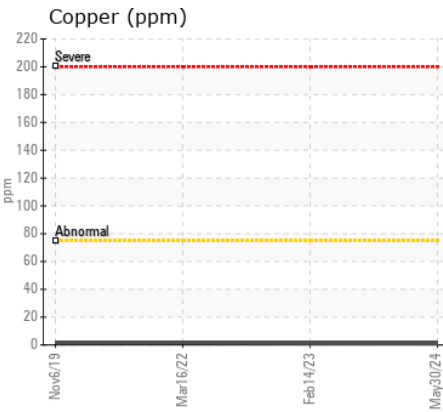
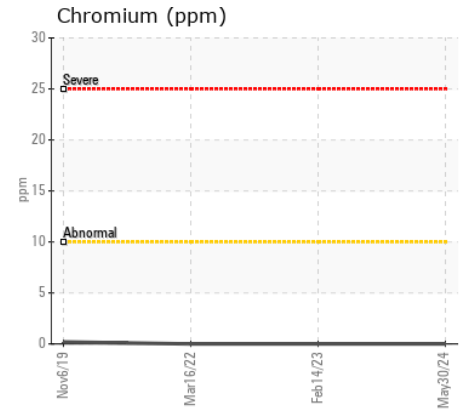
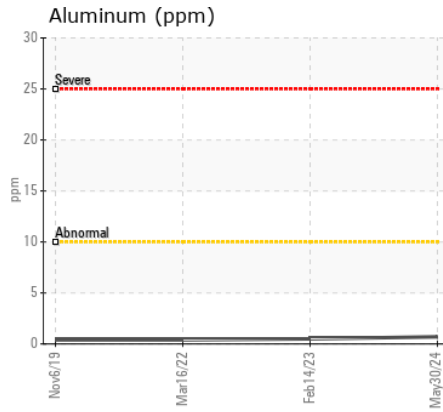
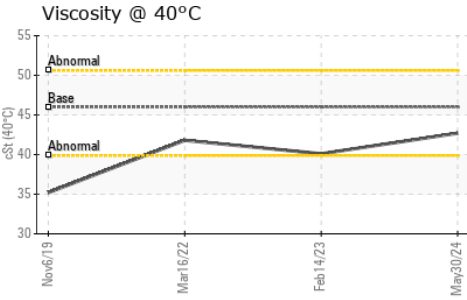
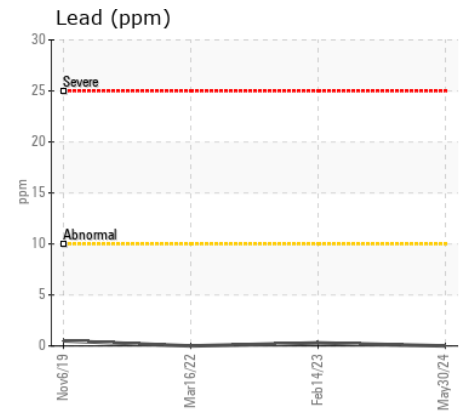
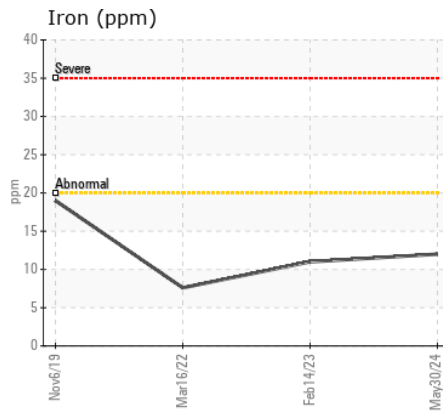
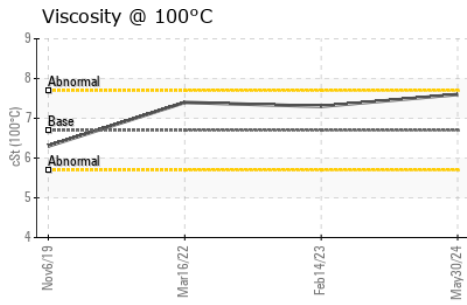
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

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

| Test                 | UOM    | Method        | Limit/Abn | Current            | History1    | History2    |
|----------------------|--------|---------------|-----------|--------------------|-------------|-------------|
| Sample Number        |        | Client Info   |           | <b>PC0084328</b>   | PC0072053   | PC0059625   |
| Sample Date          |        | Client Info   |           | <b>30 May 2024</b> | 14 Feb 2023 | 16 Mar 2022 |
| Machine Age          | hrs    | Client Info   |           | <b>1632</b>        | 1153        | 718         |
| Oil Age              | hrs    | Client Info   |           | <b>0</b>           | 0           | 0           |
| Filter Age           | hrs    | Client Info   |           | <b>0</b>           | 0           | 0           |
| Oil Changed          |        | Client Info   |           | <b>N/A</b>         | N/A         | N/A         |
| Filter Changed       |        | Client Info   |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status        |        |               |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |
| Iron                 | ppm    | ASTM D5185(m) | >20       | <b>12</b>          | 11          | 8           |
| Chromium             | ppm    | ASTM D5185(m) | >10       | <b>0</b>           | 0           | 0           |
| Nickel               | ppm    | ASTM D5185(m) | >10       | <b>0</b>           | 0           | <1          |
| Titanium             | ppm    | ASTM D5185(m) |           | <b>0</b>           | 0           | 0           |
| Silver               | ppm    | ASTM D5185(m) |           | <b>0</b>           | 0           | 0           |
| Aluminum             | ppm    | ASTM D5185(m) | >10       | <b>&lt;1</b>       | <1          | <1          |
| Lead                 | ppm    | ASTM D5185(m) | >10       | <b>0</b>           | <1          | 0           |
| Copper               | ppm    | ASTM D5185(m) | >75       | <b>1</b>           | 1           | 2           |
| Tin                  | ppm    | ASTM D5185(m) | >10       | <b>0</b>           | 0           | <1          |
| 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>2</b>           | 5           | 7           |
| Potassium            | ppm    | ASTM D5185(m) | >20       | <b>&lt;1</b>       | <1          | <1          |
| Water                |        | WC Method     | >0.1      | <b>NEG</b>         | NEG         | NEG         |
| Silt                 | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Debris               | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | 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>NEG</b>         | NEG         | NEG         |
| Sodium               | ppm    | ASTM D5185(m) |           | <b>2</b>           | 2           | 2           |
| Boron                | ppm    | ASTM D5185(m) | 5         | <b>3</b>           | <1          | <1          |
| Barium               | ppm    | ASTM D5185(m) | 5         | <b>0</b>           | 0           | 0           |
| Molybdenum           | ppm    | ASTM D5185(m) | 5         | <b>0</b>           | <1          | 0           |
| Manganese            | ppm    | ASTM D5185(m) |           | <b>0</b>           | <1          | <1          |
| Magnesium            | ppm    | ASTM D5185(m) | 25        | <b>7</b>           | 13          | <1          |
| Calcium              | ppm    | ASTM D5185(m) | 200       | <b>394</b>         | 306         | 60          |
| Phosphorus           | ppm    | ASTM D5185(m) | 300       | <b>422</b>         | 545         | 511         |
| Zinc                 | ppm    | ASTM D5185(m) | 370       | <b>529</b>         | 551         | 583         |
| Sulfur               | ppm    | ASTM D5185(m) | 2500      | <b>1501</b>        | 2262        | 1791        |
| Visc @ 40°C          | cSt    | ASTM D7279(m) | 46        | <b>42.7</b>        | 40.1        | 41.8        |
| Visc @ 100°C         | cSt    | ASTM D7279(m) | 6.7       | <b>7.6</b>         | 7.3         | 7.4         |
| Viscosity Index (VI) | Scale  | ASTM D2270*   | 97        | <b>147</b>         | 148         | 143         |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0084328  
**Lab Number** : 02639189  
**Unique Number** : 5788351  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**LES ENTREPRISES MICHAUDVILLE INC.**  
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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.

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F: