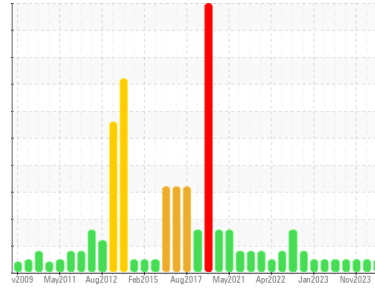




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**STRATH**  
Machine Id  
**BABBIT BRG PEDESTAL A ROD MILL DRIVE END**  
Component  
**Drive End Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 68 (8 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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.

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2    |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info |             | <b>WC0878477</b>   | WC0878486   | WC0878485   |
| Sample Date   | Client Info |             | <b>09 Jan 2024</b> | 14 Nov 2023 | 14 Nov 2023 |
| Machine Age   | mths        | Client Info | <b>0</b>           | 0           | 0           |
| Oil Age       | mths        | Client Info | <b>0</b>           | 0           | 0           |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | N/A         | N/A         |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## CONTAMINATION

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >2         | <b>NEG</b> | NEG      | NEG      |

## WEAR METALS

|           | method | limit/base        | current      | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Iron      | ppm    | ASTM D5185(m) >20 | <b>5</b>     | 4        | 1        |
| Chromium  | ppm    | ASTM D5185(m) >20 | <b>&lt;1</b> | 0        | 0        |
| Nickel    | ppm    | ASTM D5185(m) >20 | <b>&lt;1</b> | <1       | 0        |
| Titanium  | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | 0        |
| Silver    | ppm    | ASTM D5185(m)     | <b>0</b>     | <1       | <1       |
| Aluminum  | ppm    | ASTM D5185(m) >20 | <b>&lt;1</b> | 0        | 0        |
| Lead      | ppm    | ASTM D5185(m) >20 | <b>4</b>     | 4        | 1        |
| Copper    | ppm    | ASTM D5185(m) >20 | <b>&lt;1</b> | <1       | <1       |
| Tin       | ppm    | ASTM D5185(m) >20 | <b>1</b>     | 1        | <1       |
| Antimony  | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | 0        |
| Vanadium  | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | 0        |
| Beryllium | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | 0        |
| Cadmium   | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | 0        |

## ADDITIVES

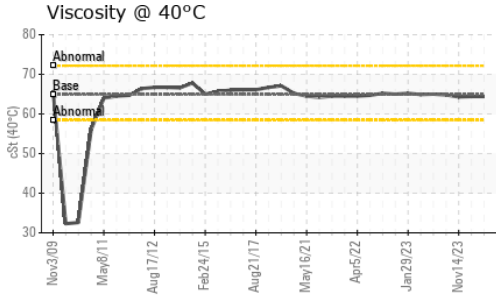
|            | method | limit/base      | current      | history1 | history2 |
|------------|--------|-----------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185(m)   | <b>0</b>     | <1       | <1       |
| Barium     | ppm    | ASTM D5185(m)   | <b>0</b>     | <1       | 0        |
| Molybdenum | ppm    | ASTM D5185(m)   | <b>0</b>     | 0        | 0        |
| Manganese  | ppm    | ASTM D5185(m)   | <b>0</b>     | 0        | 0        |
| Magnesium  | ppm    | ASTM D5185(m)   | <b>&lt;1</b> | 0        | 0        |
| Calcium    | ppm    | ASTM D5185(m) 0 | <b>&lt;1</b> | <1       | <1       |
| Phosphorus | ppm    | ASTM D5185(m) 4 | <b>10</b>    | 9        | 9        |
| Zinc       | ppm    | ASTM D5185(m) 0 | <b>1</b>     | 1        | <1       |
| Sulfur     | ppm    | ASTM D5185(m)   | <b>137</b>   | 138      | 138      |
| Lithium    | ppm    | ASTM D5185(m)   | <b>&lt;1</b> | <1       | <1       |

## CONTAMINANTS

|           | method | limit/base        | current  | history1 | history2 |
|-----------|--------|-------------------|----------|----------|----------|
| Silicon   | ppm    | ASTM D5185(m) >15 | <b>0</b> | <1       | 0        |
| Sodium    | ppm    | ASTM D5185(m)     | <b>0</b> | 0        | 0        |
| Potassium | ppm    | ASTM D5185(m) >20 | <b>0</b> | 0        | 0        |



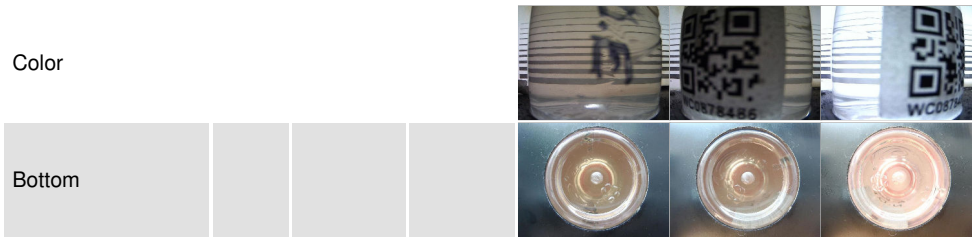
# OIL ANALYSIS REPORT



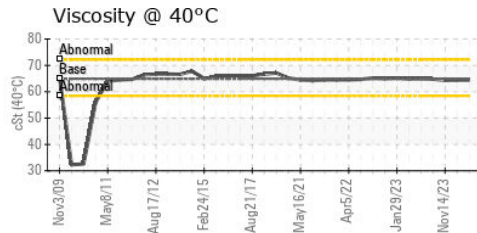
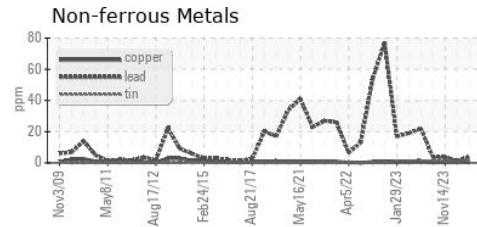
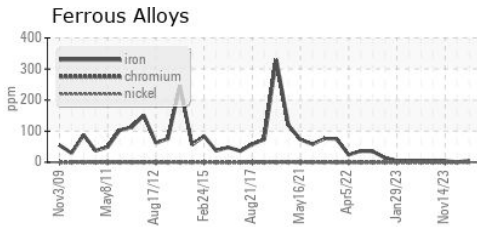
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | Visual*    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | Visual*    | NONE    | NONE     | NONE     |
| Precipitate      | scalar | Visual*    | NONE    | NONE     | NONE     |
| Silt             | scalar | Visual*    | NONE    | NONE     | NONE     |
| Debris           | scalar | Visual*    | NONE    | NONE     | NONE     |
| Sand/Dirt        | scalar | Visual*    | NONE    | NONE     | NONE     |
| Appearance       | scalar | Visual*    | NORML   | NORML    | NORML    |
| Odor             | scalar | Visual*    | NORML   | NORML    | NORML    |
| Emulsified Water | scalar | Visual*    | >2      | NEG      | NEG      |
| Free Water       | scalar | Visual*    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base    | current | history1    | history2 |
|------------------|--------|---------------|---------|-------------|----------|
| Visc @ 40°C      | cSt    | ASTM D7279(m) | 64.9    | <b>64.4</b> | 64.4     |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Wajax - Northpoint Technical Services  
**Sample No.** : WC0878477 **Received** : 16 Jan 2024 1108 WebbWood Drive.  
**Lab Number** : 02609003 **Diagnosed** : 16 Jan 2024 Sudbury, ON  
**Unique Number** : 5710089 **Diagnostician** : Kevin Marson CA P3C 3B7  
**Test Package** : IND 1

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.

Contact: Nick Walker  
 nwalker@northpoints.com  
 T: (705)499-2387  
 F: (795)690-9010