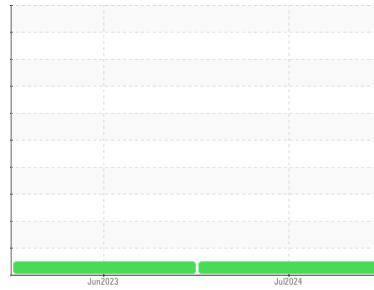




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**4509VB AC**  
 Component  
**1 Screw Compressor**  
 Fluid  
**SULLAIR SULLUBE (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is negligible.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info |             | <b>WC0759266</b>   | WC0759257   | ---      |
| Sample Date   | Client Info |             | <b>09 Jul 2024</b> | 09 Jun 2023 | ---      |
| Machine Age   | hrs         | Client Info | <b>9405</b>        | 4188        | ---      |
| Oil Age       | hrs         | Client Info | <b>4530</b>        | 1273        | ---      |
| Oil Changed   | Client Info |             | <b>N/A</b>         | N/A         | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | ---      |

### WEAR METALS

|           | method      | limit/base        | current      | history1 | history2 |
|-----------|-------------|-------------------|--------------|----------|----------|
| PQ        | ASTM D8184* |                   | <b>0</b>     | 0        | ---      |
| Iron      | ppm         | ASTM D5185(m) >60 | <b>&lt;1</b> | <1       | ---      |
| Chromium  | ppm         | ASTM D5185(m) >4  | <b>0</b>     | 0        | ---      |
| Nickel    | ppm         | ASTM D5185(m)     | <b>&lt;1</b> | <1       | ---      |
| Titanium  | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Silver    | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Aluminum  | ppm         | ASTM D5185(m) >5  | <b>0</b>     | 0        | ---      |
| Lead      | ppm         | ASTM D5185(m) >10 | <b>0</b>     | 0        | ---      |
| Copper    | ppm         | ASTM D5185(m) >30 | <b>&lt;1</b> | <1       | ---      |
| Tin       | ppm         | ASTM D5185(m) >15 | <b>0</b>     | 0        | ---      |
| Antimony  | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Vanadium  | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Beryllium | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Cadmium   | ppm         | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |

### ADDITIVES

|            | method | limit/base        | current      | history1 | history2 |
|------------|--------|-------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185(m) 12  | <b>2</b>     | 1        | ---      |
| Barium     | ppm    | ASTM D5185(m) 500 | <b>856</b>   | 486      | ---      |
| Molybdenum | ppm    | ASTM D5185(m) 0.0 | <b>0</b>     | 0        | ---      |
| Manganese  | ppm    | ASTM D5185(m)     | <b>0</b>     | 0        | ---      |
| Magnesium  | ppm    | ASTM D5185(m) 0.0 | <b>1</b>     | <1       | ---      |
| Calcium    | ppm    | ASTM D5185(m) 8.2 | <b>4</b>     | 6        | ---      |
| Phosphorus | ppm    | ASTM D5185(m) 4.0 | <b>1</b>     | 6        | ---      |
| Zinc       | ppm    | ASTM D5185(m) 0.1 | <b>3</b>     | 2        | ---      |
| Sulfur     | ppm    | ASTM D5185(m) 240 | <b>315</b>   | 482      | ---      |
| Lithium    | ppm    | ASTM D5185(m)     | <b>&lt;1</b> | <1       | ---      |

### CONTAMINANTS

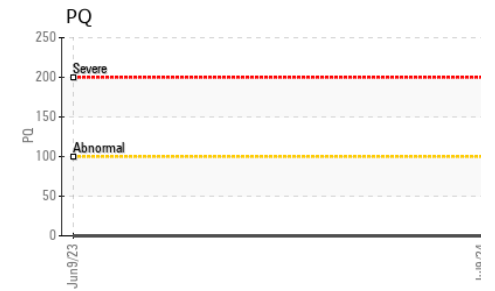
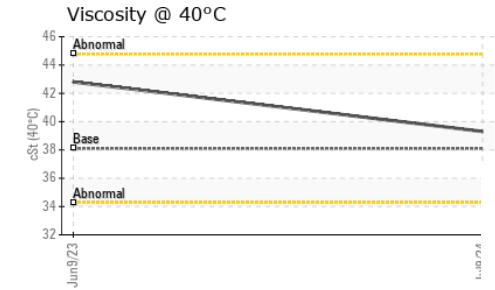
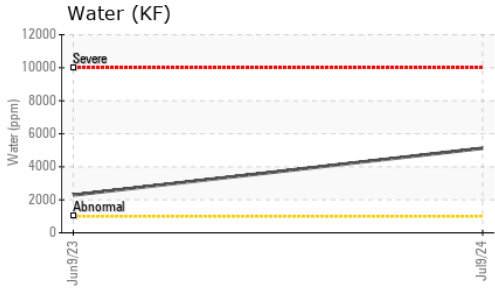
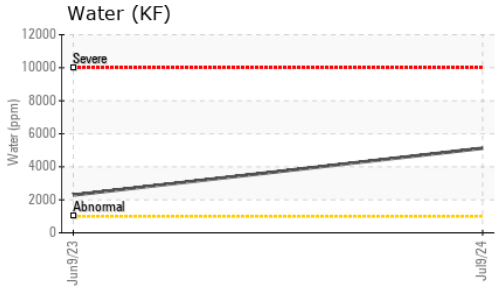
|           | method | limit/base        | current      | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185(m) >50 | <b>&lt;1</b> | <1       | ---      |
| Sodium    | ppm    | ASTM D5185(m)     | <b>20</b>    | 23       | ---      |
| Potassium | ppm    | ASTM D5185(m) >20 | <b>4</b>     | 4        | ---      |
| Water     | %      | ASTM D6304* >0.1  | <b>0.512</b> | 0.228    | ---      |
| ppm Water | ppm    | ASTM D6304* >1000 | <b>5125</b>  | 2288.8   | ---      |

### FLUID DEGRADATION

|                  | method   | limit/base      | current     | history1 | history2 |
|------------------|----------|-----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* 0.06 | <b>0.02</b> | 0.12     | ---      |



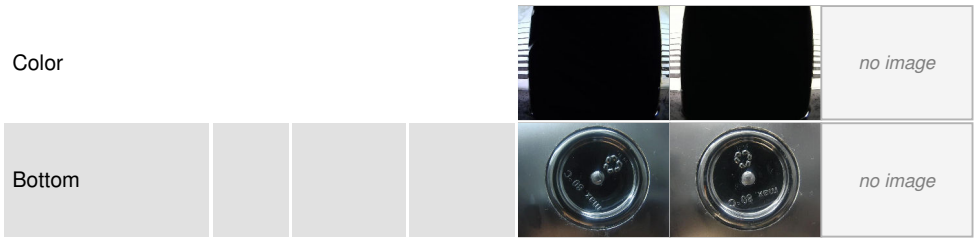
# OIL ANALYSIS REPORT



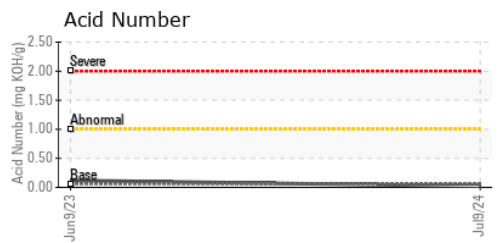
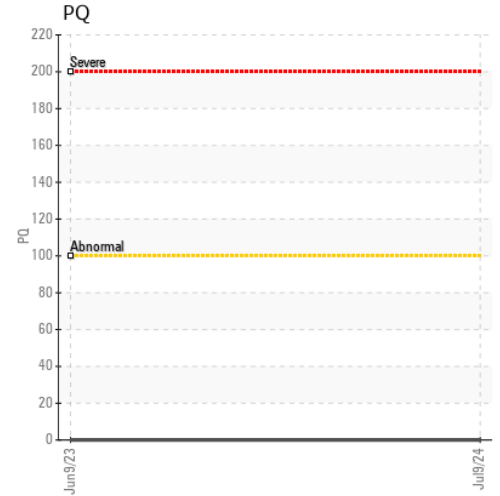
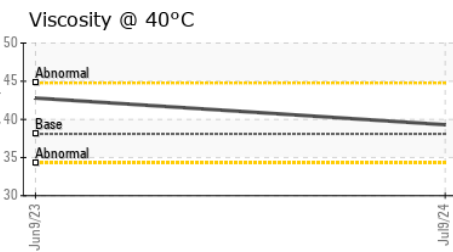
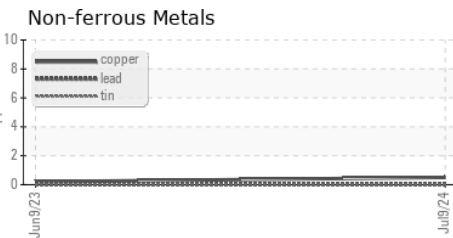
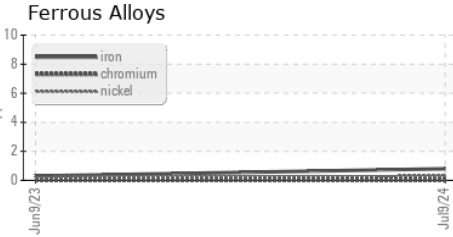
| VISUAL           | method | limit/base | current | history1     | history2 |
|------------------|--------|------------|---------|--------------|----------|
| White Metal      | scalar | Visual*    | NONE    | <b>VLITE</b> | NONE     |
| Yellow Metal     | scalar | Visual*    | NONE    | <b>NONE</b>  | NONE     |
| Precipitate      | scalar | Visual*    | NONE    | <b>NONE</b>  | NONE     |
| Silt             | scalar | Visual*    | NONE    | <b>NONE</b>  | NONE     |
| Debris           | scalar | Visual*    | NONE    | <b>NONE</b>  | NONE     |
| Sand/Dirt        | scalar | Visual*    | NONE    | <b>NONE</b>  | VLITE    |
| Appearance       | scalar | Visual*    | NORML   | <b>NORML</b> | NORML    |
| Odor             | scalar | Visual*    | NORML   | <b>NORML</b> | NORML    |
| Emulsified Water | scalar | Visual*    | >0.1    | <b>NEG</b>   | NEG      |
| Free Water       | scalar | Visual*    |         | <b>NEG</b>   | NEG      |

| FLUID PROPERTIES | method | limit/base    | current | history1    | history2 |
|------------------|--------|---------------|---------|-------------|----------|
| Visc @ 40°C      | cSt    | ASTM D7279(m) | 38.1    | <b>39.3</b> | 42.8     |

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



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0759266 **Received** : 09 Jul 2024  
**Lab Number** : **02646719** **Tested** : 15 Jul 2024  
**Unique Number** : 5812271 **Diagnosed** : 15 Jul 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

**PNEU-AIR COMPRESSORS LTD.**  
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 F: (905)662-1766

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.