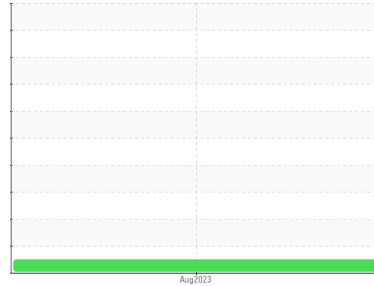


Area  
**PAL 32 FOOD GRADE**  
Machine Id  
**SULLIVAN PALATEK 1903010003**  
Component  
**Compressor**



**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 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>UCS05936787</b> | ---          | --- |
| Sample Date   | Client Info | <b>23 Aug 2023</b> | ---          | --- |
| Machine Age   | hrs         | Client Info        | <b>37761</b> | --- |
| Oil Age       | hrs         | Client Info        | <b>3000</b>  | --- |
| Oil Changed   | Client Info | <b>Not Changed</b> | ---          | --- |
| Sample Status |             | <b>NORMAL</b>      | ---          | --- |

**WEAR METALS** method limit/base current history1 history2

|          |     |             |     |          |     |     |
|----------|-----|-------------|-----|----------|-----|-----|
| Iron     | ppm | ASTM D5185m | >50 | <b>0</b> | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | <b>0</b> | --- | --- |
| Nickel   | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |
| Titanium | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |
| Silver   | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | <b>0</b> | --- | --- |
| Lead     | ppm | ASTM D5185m | >25 | <b>0</b> | --- | --- |
| Copper   | ppm | ASTM D5185m | >50 | <b>0</b> | --- | --- |
| Tin      | ppm | ASTM D5185m | >15 | <b>0</b> | --- | --- |
| Vanadium | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |
| Cadmium  | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |

**ADDITIVES** method limit/base current history1 history2

|            |     |             |  |              |     |     |
|------------|-----|-------------|--|--------------|-----|-----|
| Boron      | ppm | ASTM D5185m |  | <b>0</b>     | --- | --- |
| Barium     | ppm | ASTM D5185m |  | <b>0</b>     | --- | --- |
| Molybdenum | ppm | ASTM D5185m |  | <b>0</b>     | --- | --- |
| Manganese  | ppm | ASTM D5185m |  | <b>0</b>     | --- | --- |
| Magnesium  | ppm | ASTM D5185m |  | <b>1</b>     | --- | --- |
| Calcium    | ppm | ASTM D5185m |  | <b>&lt;1</b> | --- | --- |
| Phosphorus | ppm | ASTM D5185m |  | <b>350</b>   | --- | --- |
| Zinc       | ppm | ASTM D5185m |  | <b>5</b>     | --- | --- |
| Sulfur     | ppm | ASTM D5185m |  | <b>759</b>   | --- | --- |

**CONTAMINANTS** method limit/base current history1 history2

|           |     |             |     |          |     |     |
|-----------|-----|-------------|-----|----------|-----|-----|
| Silicon   | ppm | ASTM D5185m | >25 | <b>0</b> | --- | --- |
| Sodium    | ppm | ASTM D5185m |     | <b>0</b> | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <b>0</b> | --- | --- |

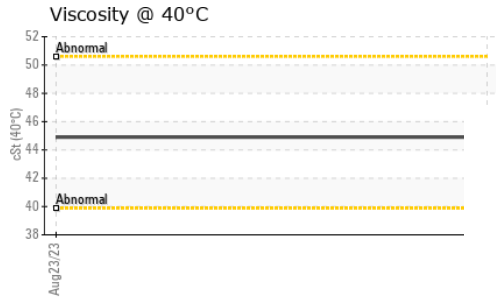
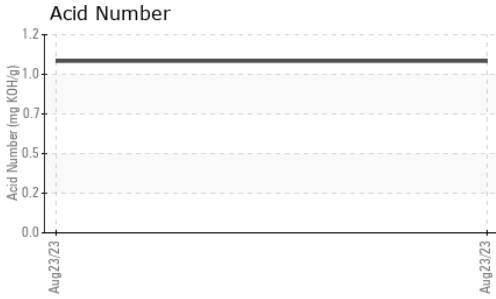
**FLUID DEGRADATION** method limit/base current history1 history2

|                  |          |            |  |             |     |     |
|------------------|----------|------------|--|-------------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 |  | <b>1.04</b> | --- | --- |
|------------------|----------|------------|--|-------------|-----|-----|


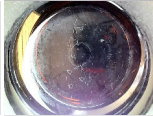
**VISUAL** method limit/base current history1 history2

|                  |        |         |       |              |     |     |
|------------------|--------|---------|-------|--------------|-----|-----|
| White Metal      | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Yellow Metal     | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Precipitate      | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Silt             | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Debris           | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Sand/Dirt        | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Appearance       | scalar | *Visual | NORML | <b>NORML</b> | --- | --- |
| Odor             | scalar | *Visual | NORML | <b>NORML</b> | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1  | <b>NEG</b>   | --- | --- |
| Free Water       | scalar | *Visual |       | <b>NEG</b>   | --- | --- |

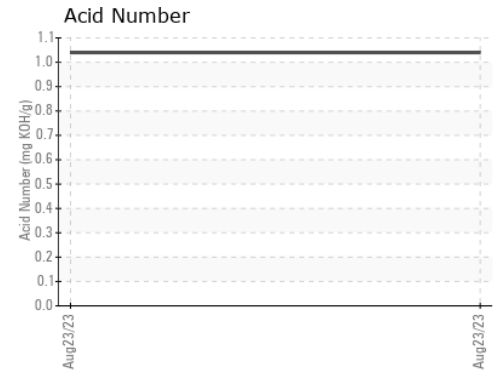
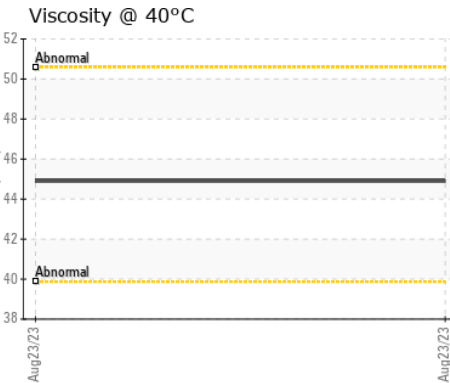
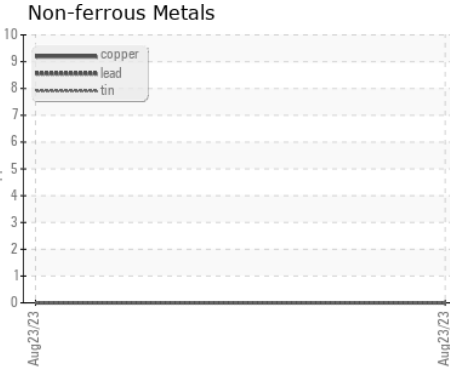
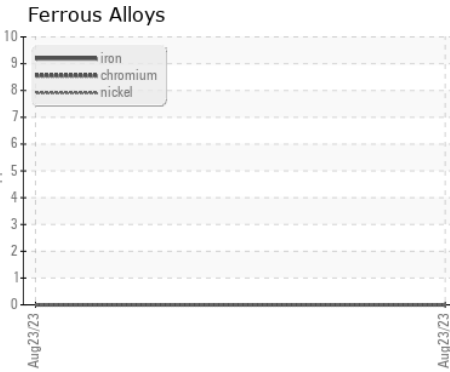
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 44.9    | ---      | ---      |

| SAMPLE IMAGES | method | limit/base | current   | history1 | history2 |
|---------------|--------|------------|---|----------|----------|
| Color         |        |            |  | no image | no image |
| Bottom        |        |            |  | no image | no image |

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05936787 **Received** : 28 Aug 2023  
**Lab Number** : **05936787** **Diagnosed** : 29 Aug 2023  
**Unique Number** : 10622058 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**PACIFIC AIR COMPRESSORS**

PORTLAND, OR  
 US 97230  
 Contact: BARRY  
 chrissy@pacificaircompressors.com  
 T: (503)674-2744  
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)