

Area

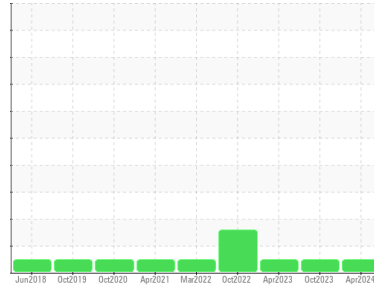
**PALASYN 45 [JAX-PM3013157-3]**

Machine Id

**SULLIVAN PALATEK 11L005 - WICKER MACHINE CO**

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 acceptable for the time in service.

**SAMPLE INFORMATION**

|               | method      | limit/base  | current            | history1    | history2    |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info |             | <b>UCS06147441</b> | UCS05986647 | UCS05827810 |
| Sample Date   | Client Info |             | <b>01 Apr 2024</b> | 13 Oct 2023 | 03 Apr 2023 |
| Machine Age   | hrs         | Client Info | <b>30124</b>       | 29001       | 27605       |
| Oil Age       | hrs         | Client Info | <b>0</b>           | 0           | 0           |
| Oil Changed   | Client Info |             | <b>Changed</b>     | Not Changd  | Changed     |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**CONTAMINATION**

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1       | <b>NEG</b> | NEG      | NEG      |

**WEAR METALS**

|          | method | limit/base  | current | history1 | history2 |   |
|----------|--------|-------------|---------|----------|----------|---|
| Iron     | ppm    | ASTM D5185m | >50     | <b>0</b> | 0        | 0 |
| Chromium | ppm    | ASTM D5185m | >10     | <b>0</b> | 0        | 0 |
| Nickel   | ppm    | ASTM D5185m |         | <b>0</b> | 0        | 0 |
| Titanium | ppm    | ASTM D5185m |         | <b>0</b> | 0        | 0 |
| Silver   | ppm    | ASTM D5185m |         | <b>0</b> | 0        | 0 |
| Aluminum | ppm    | ASTM D5185m | >25     | <b>0</b> | 0        | 0 |
| Lead     | ppm    | ASTM D5185m | >25     | <b>0</b> | 0        | 0 |
| Copper   | ppm    | ASTM D5185m | >50     | <b>0</b> | <1       | 1 |
| Tin      | ppm    | ASTM D5185m | >15     | <b>0</b> | 0        | 0 |
| Vanadium | ppm    | ASTM D5185m |         | <b>0</b> | 0        | 0 |
| Cadmium  | ppm    | ASTM D5185m |         | <b>0</b> | 0        | 0 |

**ADDITIVES**

|            | method | limit/base  | current | history1    | history2 |      |
|------------|--------|-------------|---------|-------------|----------|------|
| Boron      | ppm    | ASTM D5185m | 0.0     | <b>0</b>    | 0        | 0    |
| Barium     | ppm    | ASTM D5185m | 0.0     | <b>11</b>   | 0        | 0    |
| Molybdenum | ppm    | ASTM D5185m | 0       | <b>0</b>    | 0        | 0    |
| Manganese  | ppm    | ASTM D5185m | 0       | <b>0</b>    | 0        | 0    |
| Magnesium  | ppm    | ASTM D5185m | 0.0     | <b>0</b>    | 0        | <1   |
| Calcium    | ppm    | ASTM D5185m | 0.0     | <b>0</b>    | 0        | 0    |
| Phosphorus | ppm    | ASTM D5185m | 966     | <b>516</b>  | 488      | 519  |
| Zinc       | ppm    | ASTM D5185m | 0       | <b>0</b>    | 0        | 0    |
| Sulfur     | ppm    | ASTM D5185m | 1309    | <b>1204</b> | 1012     | 1314 |

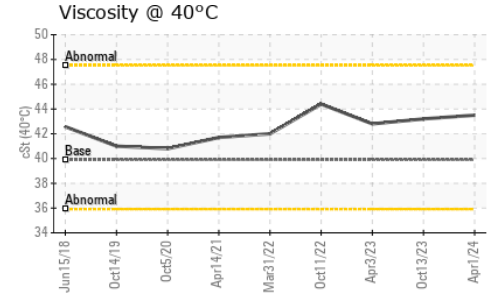
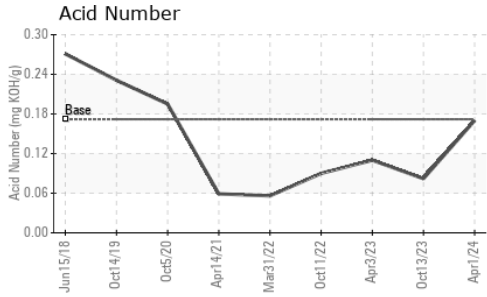
**CONTAMINANTS**

|           | method | limit/base  | current | history1     | history2 |    |
|-----------|--------|-------------|---------|--------------|----------|----|
| Silicon   | ppm    | ASTM D5185m | >25     | <b>&lt;1</b> | 2        | 2  |
| Sodium    | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | 0  |
| Potassium | ppm    | ASTM D5185m | >20     | <b>&lt;1</b> | <1       | <1 |

**FLUID DEGRADATION**

|                  | method   | limit/base | current | history1    | history2 |      |
|------------------|----------|------------|---------|-------------|----------|------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.172   | <b>0.17</b> | 0.082    | 0.11 |

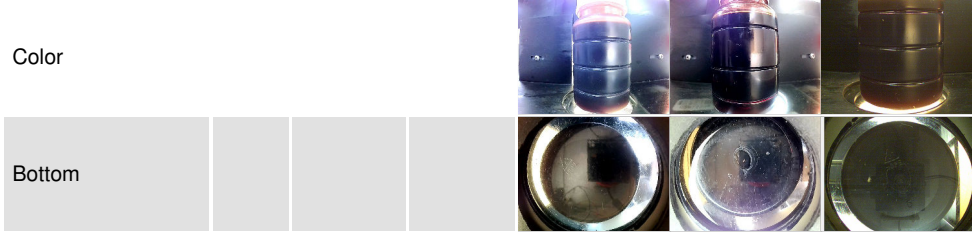
# OIL ANALYSIS REPORT



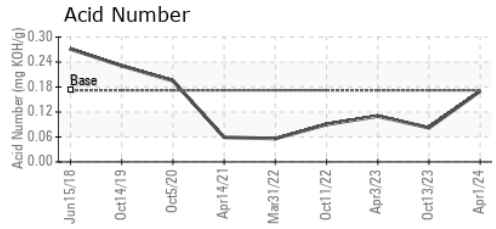
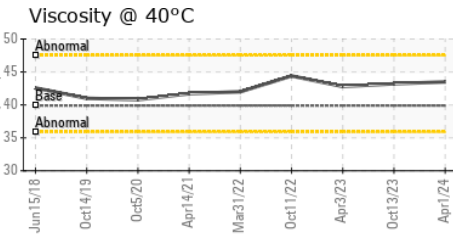
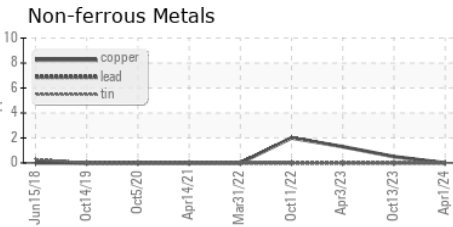
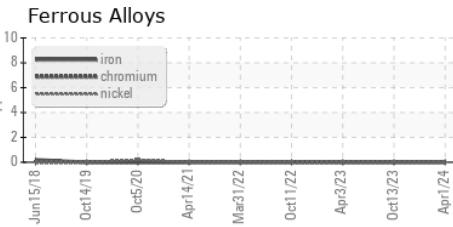
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
|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

| FLUID PROPERTIES | method | limit/base | current | history1    | history2 |      |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 40°C      | cSt    | ASTM D445  | 39.9    | <b>43.5</b> | 43.2     | 42.8 |

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06147441      **Received** : 12 Apr 2024  
**Lab Number** : **06147441**      **Tested** : 15 Apr 2024  
**Unique Number** : 10977519      **Diagnosed** : 16 Apr 2024 - Sean Felton  
**Test Package** : IND 2

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 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)