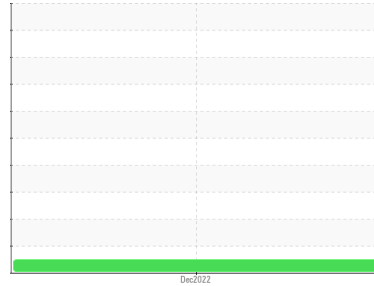


Area  
**PALASYN 45**  
Machine Id  
**SULLIVAN PALATEK 22OE002981**  
Component  
**Compressor**



**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>UCS05723156</b> | --- | --- |
| Sample Date   | Client Info |             | <b>17 Dec 2022</b> | --- | --- |
| Machine Age   | hrs         | Client Info | <b>3723</b>        | --- | --- |
| Oil Age       | hrs         | Client Info | <b>3723</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 | 0.0  | <b>0</b>     | --- | --- |
| Barium     | ppm | ASTM D5185m | 0.0  | <b>0</b>     | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0    | <b>&lt;1</b> | --- | --- |
| Manganese  | ppm | ASTM D5185m | 0    | <b>0</b>     | --- | --- |
| Magnesium  | ppm | ASTM D5185m | 0.0  | <b>&lt;1</b> | --- | --- |
| Calcium    | ppm | ASTM D5185m | 0.0  | <b>&lt;1</b> | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 966  | <b>643</b>   | --- | --- |
| Zinc       | ppm | ASTM D5185m | 0    | <b>0</b>     | --- | --- |
| Sulfur     | ppm | ASTM D5185m | 1309 | <b>1521</b>  | --- | --- |

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

|           |     |             |     |              |     |     |
|-----------|-----|-------------|-----|--------------|-----|-----|
| Silicon   | ppm | ASTM D5185m | >25 | <b>3</b>     | --- | --- |
| Sodium    | ppm | ASTM D5185m |     | <b>0</b>     | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <b>&lt;1</b> | --- | --- |

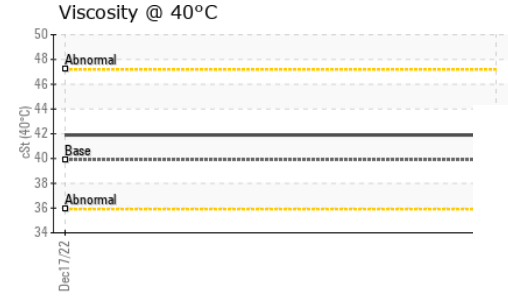
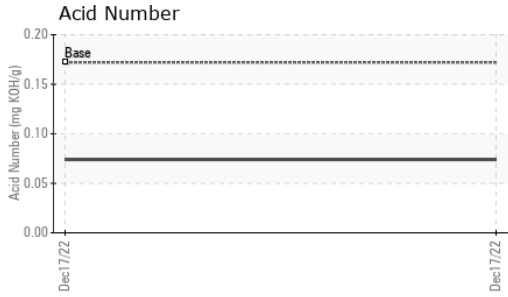
**FLUID DEGRADATION**    method    limit/base    current    history1    history2

|                  |          |            |       |              |     |     |
|------------------|----------|------------|-------|--------------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.172 | <b>0.074</b> | --- | --- |
|------------------|----------|------------|-------|--------------|-----|-----|


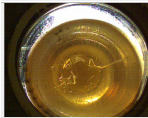
**VISUAL**    method    limit/base    current    history1    history2

|                  |        |         |       |              |     |     |
|------------------|--------|---------|-------|--------------|-----|-----|
| 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>LIGHT</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>   | --- | --- |

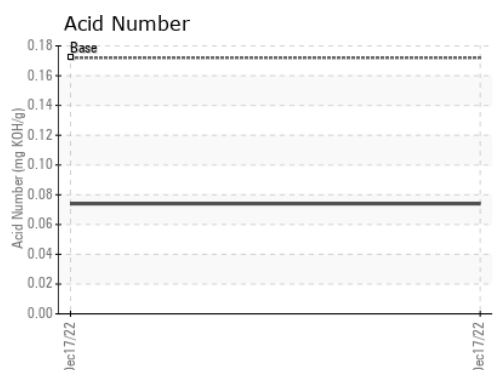
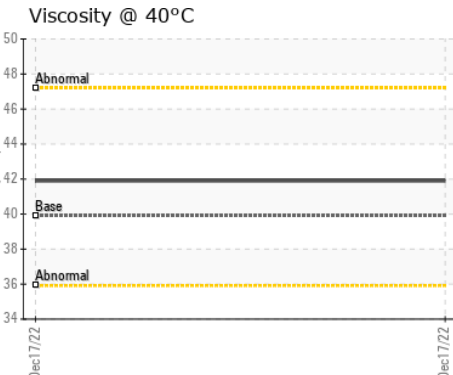
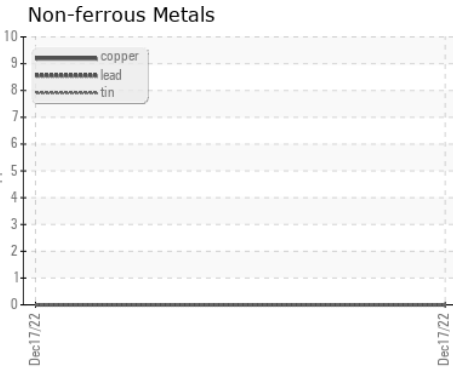
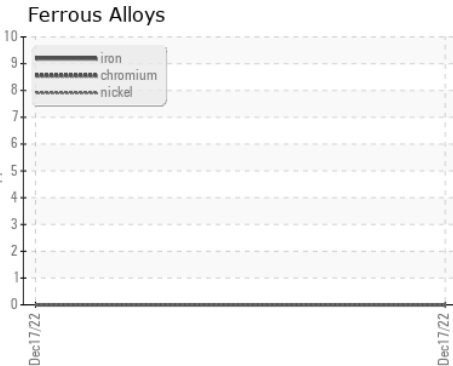
# OIL ANALYSIS REPORT



| FLUID PROPERTIES |     | method    | limit/base | current     | history1 | history2 |
|------------------|-----|-----------|------------|-------------|----------|----------|
| Visc @ 40°C      | cSt | ASTM D445 | 39.9       | <b>41.9</b> | ---      | ---      |

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS05723156 **Received** : 21 Dec 2022  
**Lab Number** : **05723156** **Diagnosed** : 22 Dec 2022  
**Unique Number** : 10267737 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**SUMMIT TOYOTA OF AKRON**  
 AKRON, OH  
 US 44320  
 Contact: JEFF WAGNER  
 jwagner@summittoyota.com  
 T: (330)836-2500  
 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)