

# PROBLEM SUMMARY

Sample Rating Trend

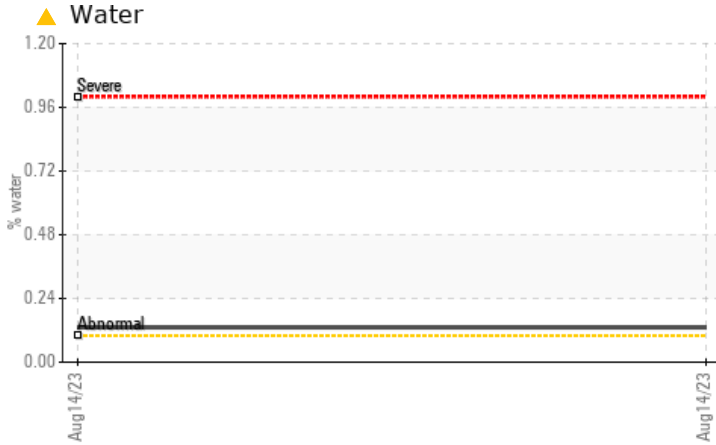
**WATER**



Area  
**NOT GIVEN**  
Machine Id  
**SULLIVAN PALATEK 1605240005 - CUSTOM CAST STONE**  
Component  
**Compressor**



## COMPONENT CONDITION SUMMARY



### RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

| Sample Status |        |            | <b>ABNORMAL</b> | ---            | --- |
|---------------|--------|------------|-----------------|----------------|-----|
| Water         | %      | ASTM D6304 | >0.1            | <b>▲ 0.131</b> | --- |
| ppm Water     | ppm    | ASTM D6304 | >1000           | <b>▲ 1310</b>  | --- |
| Debris        | scalar | *Visual    | NONE            | <b>▲ MODER</b> | --- |

Customer Id: UCSULMIC  
Sample No.: UCS05929670  
Lab Number: 05929670  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

Area  
**NOT GIVEN**

Machine Id  
**SULLIVAN PALATEK 1605240005 - CUSTOM CAST STONE**

Component  
**Compressor**



**DIAGNOSIS**

**Recommendation**

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present 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>UCS05929670</b> | ---      | ---      |
| Sample Date   | Client Info |             | <b>14 Aug 2023</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info | <b>62241</b>       | ---      | ---      |
| Oil Age       | hrs         | Client Info | <b>2041</b>        | ---      | ---      |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | ---      | ---      |
| Sample Status |             |             | <b>ABNORMAL</b>    | ---      | ---      |

**WEAR METALS**

|          | method | limit/base      | current      | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >50 | <b>&lt;1</b> | ---      | ---      |
| Chromium | ppm    | ASTM D5185m >10 | <b>0</b>     | ---      | ---      |
| Nickel   | ppm    | ASTM D5185m     | <b>0</b>     | ---      | ---      |
| Titanium | ppm    | ASTM D5185m     | <b>&lt;1</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>&lt;1</b> | ---      | ---      |
| Tin      | ppm    | ASTM D5185m >15 | <b>0</b>     | ---      | ---      |
| Vanadium | ppm    | ASTM D5185m     | <b>&lt;1</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>0</b>   | ---      | ---      |
| Calcium    | ppm    | ASTM D5185m | <b>0</b>   | ---      | ---      |
| Phosphorus | ppm    | ASTM D5185m | <b>533</b> | ---      | ---      |
| Zinc       | ppm    | ASTM D5185m | <b>0</b>   | ---      | ---      |
| Sulfur     | ppm    | ASTM D5185m | <b>896</b> | ---      | ---      |

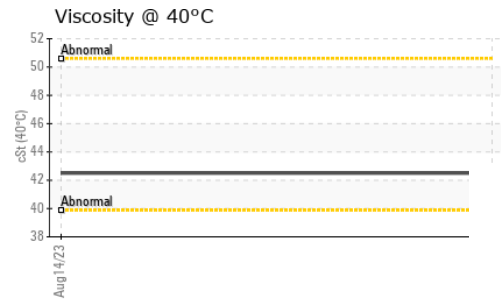
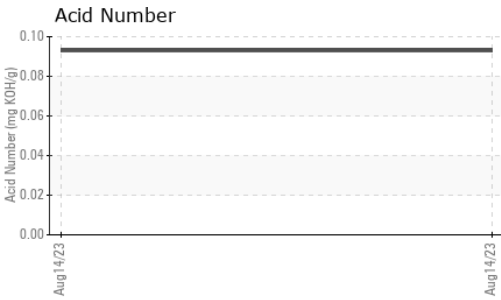
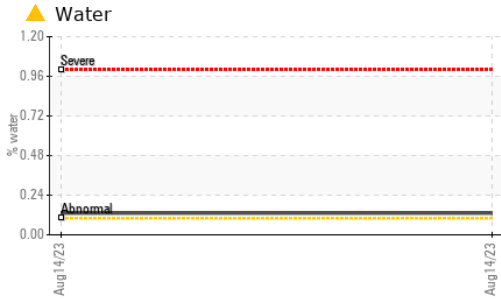
**CONTAMINANTS**

|           | method | limit/base       | current        | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >25  | <b>3</b>       | ---      | ---      |
| Sodium    | ppm    | ASTM D5185m      | <b>&lt;1</b>   | ---      | ---      |
| Potassium | ppm    | ASTM D5185m >20  | <b>&lt;1</b>   | ---      | ---      |
| Water     | %      | ASTM D6304 >0.1  | <b>▲ 0.131</b> | ---      | ---      |
| ppm Water | ppm    | ASTM D6304 >1000 | <b>▲ 1310</b>  | ---      | ---      |

**FLUID DEGRADATION**

|                  | method   | limit/base | current      | history1 | history2 |
|------------------|----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | <b>0.093</b> | ---      | ---      |

# OIL ANALYSIS REPORT



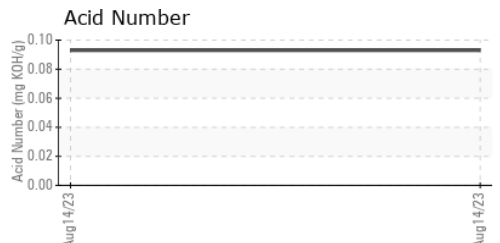
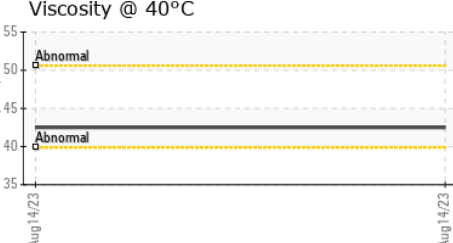
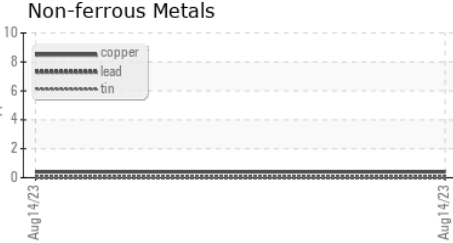
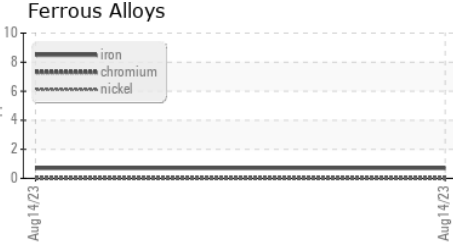
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | ---      |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | ---      |
| Precipitate      | scalar | *Visual    | NONE    | NONE     | ---      |
| Silt             | scalar | *Visual    | NONE    | NONE     | ---      |
| Debris           | scalar | *Visual    | NONE    | ▲ MODER  | ---      |
| Sand/Dirt        | scalar | *Visual    | NONE    | NONE     | ---      |
| Appearance       | scalar | *Visual    | NORML   | NORML    | ---      |
| Odor             | scalar | *Visual    | NORML   | NORML    | ---      |
| Emulsified Water | scalar | *Visual    | >0.1    | 0.2%     | ---      |
| Free Water       | scalar | *Visual    |         | NEG      | ---      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 42.5    | ---      | ---      |

| 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.** : UCS05929670 **Received** : 21 Aug 2023  
**Lab Number** : 05929670 **Diagnosed** : 22 Aug 2023  
**Unique Number** : 10609617 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF )

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)

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