

# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**RAIL UNLOAD**

Component  
**Blower**

Fluid  
**HYDROTEX Ultra-Kleen ISO 220 (1 GAL)**

## 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>PCA0110382</b>  | ---      | ---      |
| Sample Date   | Client Info |             | <b>20 Dec 2023</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info | <b>0</b>           | ---      | ---      |
| Oil Age       | hrs         | Client Info | <b>0</b>           | ---      | ---      |
| Oil Changed   | Client Info |             | <b>Not Chngd</b>   | ---      | ---      |
| Sample Status |             |             | <b>NORMAL</b>      | ---      | ---      |

## WEAR METALS

|          | method     | limit/base      | current      | history1 | history2 |
|----------|------------|-----------------|--------------|----------|----------|
| PQ       | ASTM D8184 |                 | <b>16</b>    | ---      | ---      |
| Iron     | ppm        | ASTM D5185m >20 | <b>1</b>     | ---      | ---      |
| Chromium | ppm        | ASTM D5185m >20 | <b>0</b>     | ---      | ---      |
| Nickel   | ppm        | ASTM D5185m >20 | <b>0</b>     | ---      | ---      |
| Titanium | ppm        | ASTM D5185m     | <b>0</b>     | ---      | ---      |
| Silver   | ppm        | ASTM D5185m     | <b>0</b>     | ---      | ---      |
| Aluminum | ppm        | ASTM D5185m >20 | <b>0</b>     | ---      | ---      |
| Lead     | ppm        | ASTM D5185m >20 | <b>0</b>     | ---      | ---      |
| Copper   | ppm        | ASTM D5185m >20 | <b>&lt;1</b> | ---      | ---      |
| Tin      | ppm        | ASTM D5185m >20 | <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>8</b>     | ---      | ---      |
| Barium     | ppm    | ASTM D5185m | <b>0</b>     | ---      | ---      |
| Molybdenum | ppm    | ASTM D5185m | <b>0</b>     | ---      | ---      |
| Manganese  | ppm    | ASTM D5185m | <b>&lt;1</b> | ---      | ---      |
| Magnesium  | ppm    | ASTM D5185m | <b>73</b>    | ---      | ---      |
| Calcium    | ppm    | ASTM D5185m | <b>56</b>    | ---      | ---      |
| Phosphorus | ppm    | ASTM D5185m | <b>259</b>   | ---      | ---      |
| Zinc       | ppm    | ASTM D5185m | <b>305</b>   | ---      | ---      |
| Sulfur     | ppm    | ASTM D5185m | <b>2470</b>  | ---      | ---      |

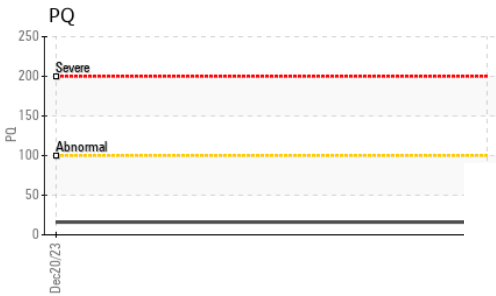
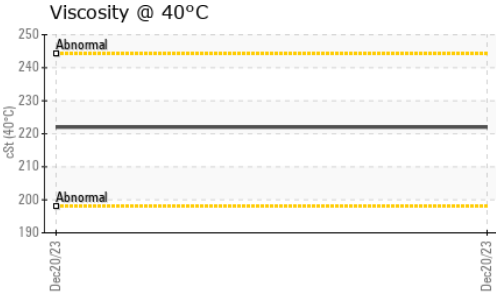
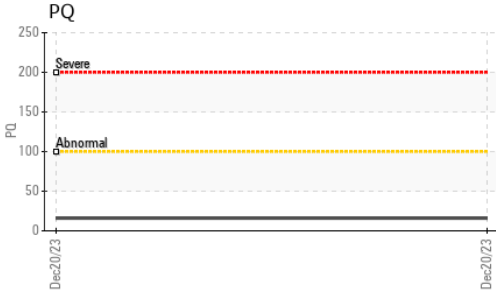
## CONTAMINANTS

|           | method | limit/base      | current      | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >15 | <b>&lt;1</b> | ---      | ---      |
| Sodium    | ppm    | ASTM D5185m     | <b>&lt;1</b> | ---      | ---      |
| Potassium | ppm    | ASTM D5185m >20 | <b>0</b>     | ---      | ---      |
| Water     | %      | ASTM D6304      | <b>NEG</b>   | ---      | ---      |

## FLUID DEGRADATION

|                  | method   | limit/base | current     | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | <b>0.37</b> | ---      | ---      |

# OIL ANALYSIS REPORT



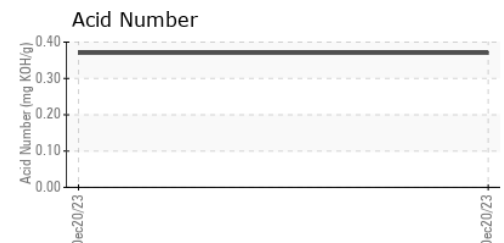
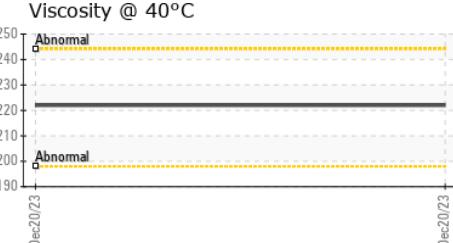
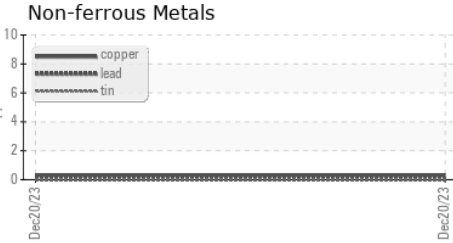
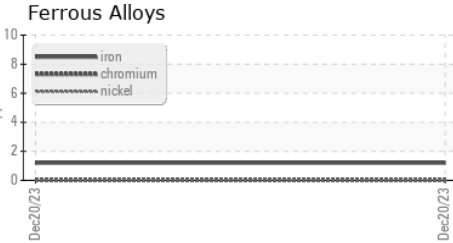
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | ---      |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | ---      |
|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

| FLUID PROPERTIES | method | limit/base | current    | history1 | history2 |
|------------------|--------|------------|------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | <b>222</b> | ---      | ---      |

| 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.** : PCA0110382 **Received** : 26 Dec 2023  
**Lab Number** : **06044987** **Diagnosed** : 29 Dec 2023  
**Unique Number** : 10805595 **Diagnostician** : Angela Borella  
**Test Package** : PLANT

**Ardent Mills-Newton**  
 300 E BROADWAY  
 NEWTON, KS  
 US 67114

Contact: STEVEN GRABENDIKE  
 steven.grabendike@ardentmills.com

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)

T:  
F: