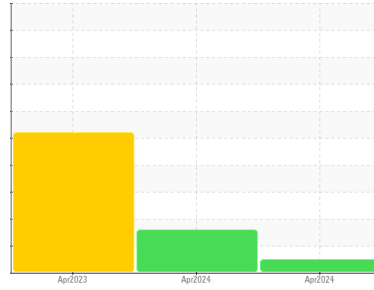


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**PALLUBE 32**

Machine Id

**PALATEK 22GE003247 - ABBIAMO PASTA**

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**

Confirm oil type. 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>UCS06178890</b> | UCS06144412 | UCS05821623 |
| Sample Date        | Client Info |             |            | <b>29 Apr 2024</b> | 01 Apr 2024 | 06 Apr 2023 |
| Machine Age        | hrs         | Client Info |            | <b>6050</b>        | 5839        | 3296        |
| Oil Age            | hrs         | Client Info |            | <b>500</b>         | 2600        | 3296        |
| Oil Changed        | Client Info |             |            | <b>Not Chngd</b>   | Not Chngd   | Changed     |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ATTENTION   | SEVERE      |

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

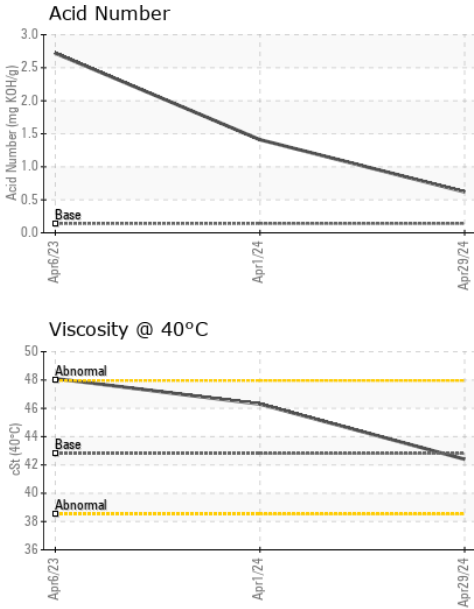
| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >50        | <b>2</b>     | 1        | 22       |
| Chromium    | ppm | ASTM D5185m | >10        | <b>&lt;1</b> | <1       | 0        |
| Nickel      | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | 0        |
| Titanium    | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | 0        |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>1</b>     | 2        | 0        |
| Lead        | ppm | ASTM D5185m | >25        | <b>0</b>     | <1       | 0        |
| Copper      | ppm | ASTM D5185m | >50        | <b>1</b>     | <1       | 0        |
| Tin         | ppm | ASTM D5185m | >15        | <b>&lt;1</b> | <1       | 0        |
| Vanadium    | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | 0        |
| Cadmium     | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | 0        |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m | 1          | <b>0</b>     | 0        | 0        |
| Barium     | ppm | ASTM D5185m | 730        | <b>0</b>     | 9        | 0        |
| Molybdenum | ppm | ASTM D5185m | 0          | <b>0</b>     | <1       | 0        |
| Manganese  | ppm | ASTM D5185m | 0.0        | <b>0</b>     | <1       | <1       |
| Magnesium  | ppm | ASTM D5185m | 0          | <b>&lt;1</b> | <1       | 4        |
| Calcium    | ppm | ASTM D5185m | 0          | <b>4</b>     | 3        | 0        |
| Phosphorus | ppm | ASTM D5185m | 0          | <b>148</b>   | 284      | 310      |
| Zinc       | ppm | ASTM D5185m | 0          | <b>7</b>     | 20       | 0        |
| Sulfur     | ppm | ASTM D5185m | 590        | <b>288</b>   | 498      | 120      |

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

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 | 0.14       | <b>0.62</b> | 1.41     | 2.72     |

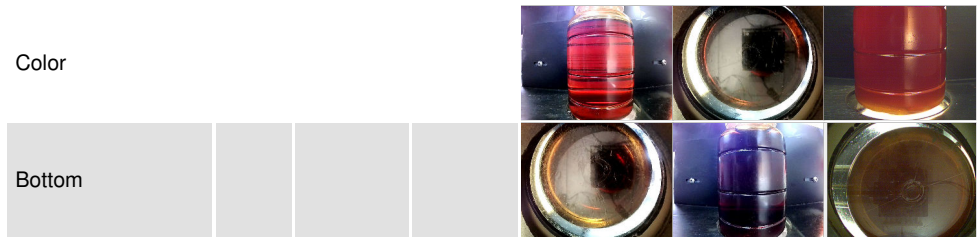
# OIL ANALYSIS REPORT



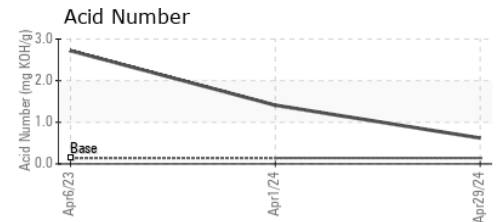
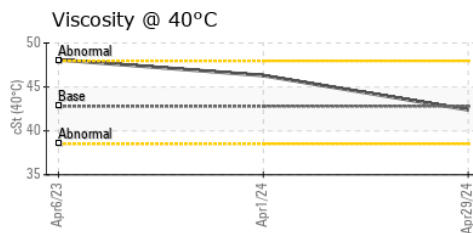
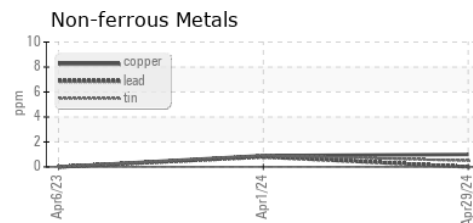
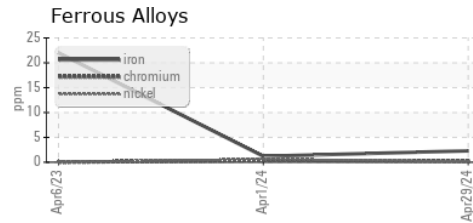
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| Precipitate      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Silt             | scalar | *Visual    | NONE    | NONE     | NONE     |
| Debris           | scalar | *Visual    | NONE    | NONE     | MODER    |
| 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      | 0.2%     |
| Free Water       | scalar | *Visual    |         | NEG      | 1.0      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 42.8    | 42.4     | 46.3     |

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06178890  
**Lab Number** : 06178890  
**Unique Number** : 11030216  
**Test Package** : IND 2  
**Received** : 14 May 2024  
**Tested** : 15 May 2024  
**Diagnosed** : 16 May 2024 - Don Baldrige

**JEMCO-MAXAIR**

WEST FARGO, ND  
US 58078

Contact: DALE K  
dalek@jemco-maxair.com

T: (701)281-0362

F: x:

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)