



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
PILATUS PC-12/47 N786WM (S/N PCE-PR0668)
 Component
Turbine
 Fluid
BP TURBO OIL 2380 (15 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GF0001345 | GF0001176 | GF0001179 |
| Sample Date | | Client Info | | 30 May 2024 | 15 Mar 2024 | 26 Jan 2024 |
| TSN | hrs | Client Info | | 8660 | 8551 | 8486 |
| TSO | hrs | Client Info | | 2818 | 8551 | 2643 |
| Oil Age | hrs | Client Info | | 2818 | 2709 | 2643 |
| Filter Age | hrs | Client Info | | 291 | 2709 | 116 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Not Changed | Not Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Chromium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Lead | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

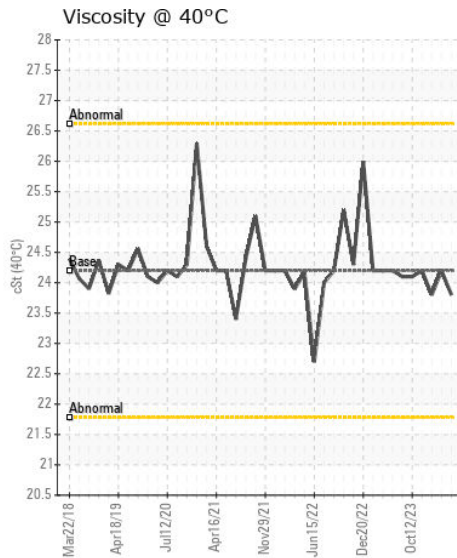
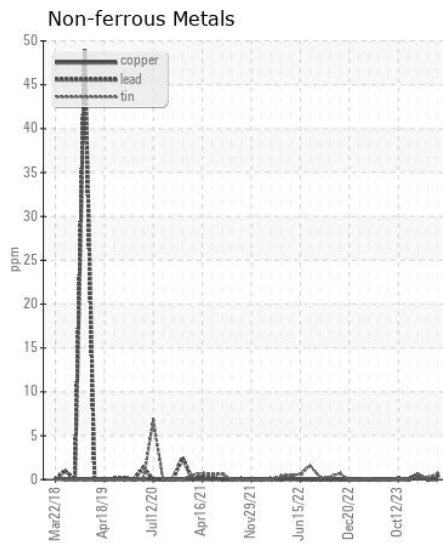
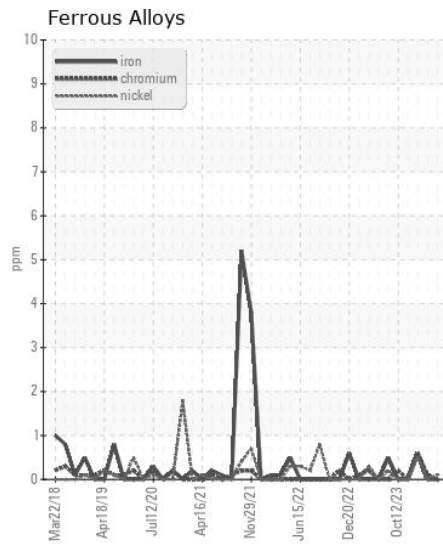
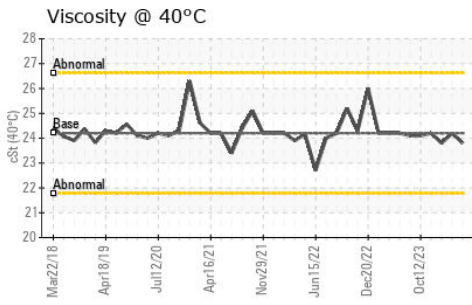
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | | 1 | <1 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | <1 |
| Water | | WC Method | >0.03 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.03 | NEG | NEG | NEG |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Boron | ppm | ASTM D5185m | 0 | <1 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | 0 | 0 | 1 |
| Calcium | ppm | ASTM D5185m | 0 | 0 | 6 | 25 |
| Phosphorus | ppm | ASTM D5185m | 2500 | 2991 | 2787 | 2770 |
| Zinc | ppm | ASTM D5185m | 0 | 16 | 1 | 0 |
| Sulfur | ppm | ASTM D5185m | 0 | 0 | 26 | 0 |
| Visc @ 40°C | cSt | ASTM D445 | 24.2 | 23.8 | 24.2 | 23.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GF0001345
Lab Number : 06224135
Unique Number : 11102332
Test Package : AVI 1

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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)