



OIL ANALYSIS REPORT

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

Area
LJ-698 [LJ-698 PCE-PZ1506]
 Machine Id
[644JC] BEECH C90 644JC (S/N LJ-698)
 Component
Left Jet Turbine
 Fluid
BP TURBO OIL 2380 (12 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: LJ-698 PCE-PZ1506)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | GF0001577 | GF0000947 | --- |
| Sample Date | | Client Info | | 09 Feb 2024 | 28 Jun 2023 | --- |
| TSN | hrs | Client Info | | 1364 | 1327 | --- |
| TSO | hrs | Client Info | | 1364 | 1327 | --- |
| Oil Age | hrs | Client Info | | 1364 | 1327 | --- |
| Filter Age | hrs | Client Info | | 161 | 131 | --- |
| Oil Changed | | Client Info | | Not Changed | Not Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >8 | 0 | 0 | --- |
| Chromium | ppm | ASTM D5185m | >2 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | >2 | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >2 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m | >3 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >3 | 0 | 0 | --- |
| Tin | ppm | ASTM D5185m | >2 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

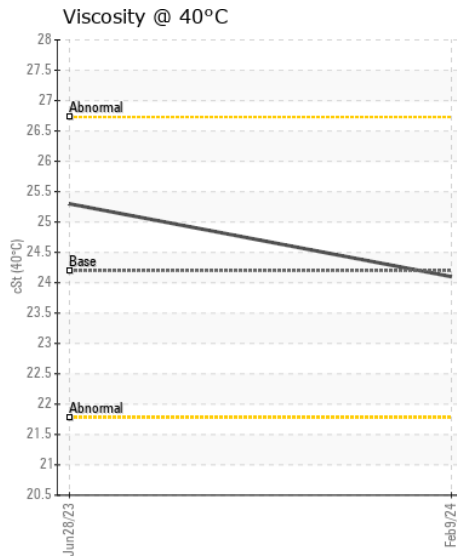
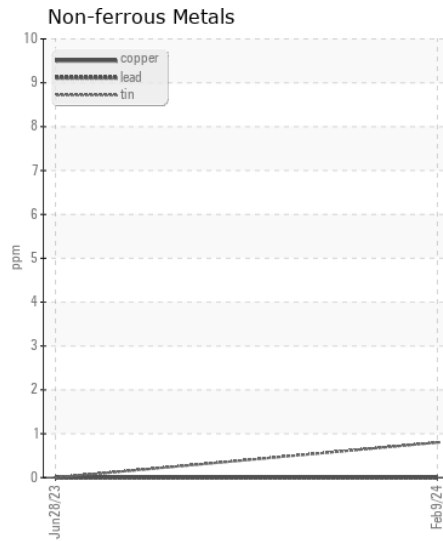
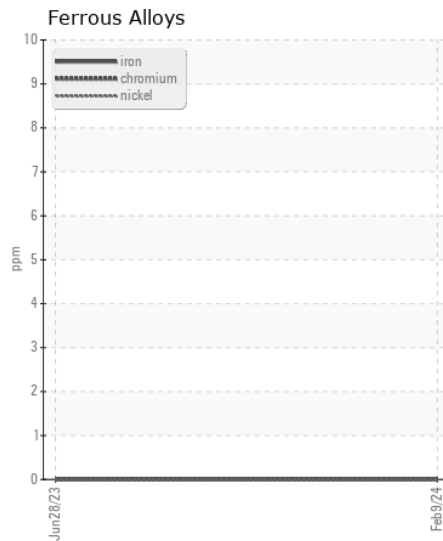
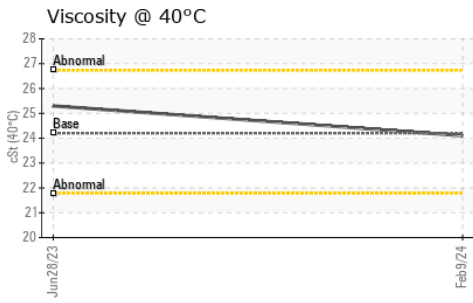
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >8 | 2 | 2 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| 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 | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 2 | --- |
| Calcium | ppm | ASTM D5185m | 0 | 28 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | 2500 | 2485 | 2605 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 15 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 0 | 56 | 0 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 24.2 | 24.1 | 25.3 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GF0001577
Lab Number : 06087843
Unique Number : 10875288
Test Package : AVI 1

Received : 13 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 15 Feb 2024 - Jonathan Hester

STEVENS AEROSPACE AND DEFENSE SYSTEMS, LLC
 1280 THUNDERBIRD DR
 SMYRNA, TN
 US 37167

Contact: PATRICK ISRAEL
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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)

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