



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**LJ-698 [LJ-698 PCE-PZ1507]**  
 Machine Id  
**[644JC] BEECH C90 644JC (S/N LJ-698)**  
 Component  
**Right Jet Turbine**  
 Fluid  
**BP TURBO OIL 2380 (12 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: LJ-698 PCE-PZ1507 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GF0001578</b>	GF0000948	---
Sample Date		Client Info		<b>09 Feb 2024</b>	28 Jun 2023	---
TSN	hrs	Client Info		<b>1364</b>	1327	---
TSO	hrs	Client Info		<b>1364</b>	1327	---
Oil Age	hrs	Client Info		<b>1364</b>	1327	---
Filter Age	hrs	Client Info		<b>39</b>	501	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

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

## CONTAMINATION

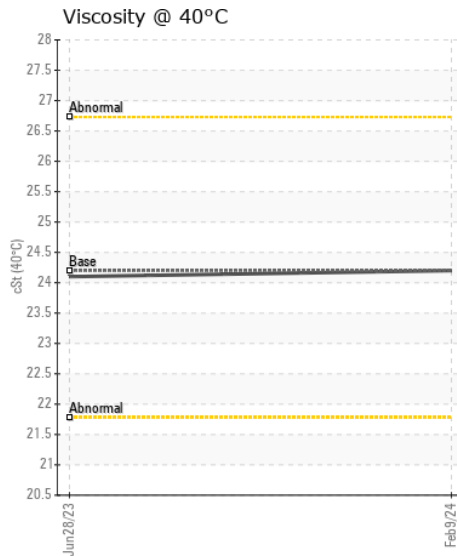
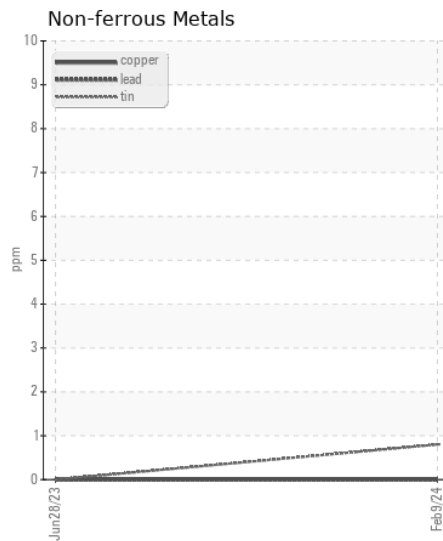
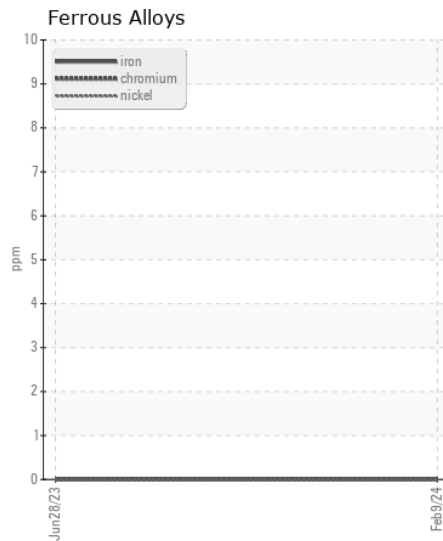
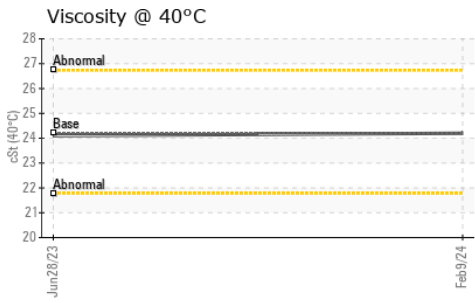
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>8	<b>2</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	2	---
Calcium	ppm	ASTM D5185m	0	<b>1</b>	12	---
Phosphorus	ppm	ASTM D5185m	2500	<b>2426</b>	2563	---
Zinc	ppm	ASTM D5185m	0	<b>0</b>	0	---
Sulfur	ppm	ASTM D5185m	0	<b>18</b>	22	---
Visc @ 40°C	cSt	ASTM D445	24.2	<b>24.2</b>	24.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GF0001578  
**Lab Number** : 06087844  
**Unique Number** : 10875289  
**Test Package** : AVI 1

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

**STEVENS AEROSPACE AND DEFENSE SYSTEMS, LLC**  
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 SMYRNA, TN  
 US 37167

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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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