



# OIL ANALYSIS REPORT

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

Area  
**[FL-621 PCE-PK1057]**  
 Machine Id  
**BEECH FL-621 7RC (S/N PCE-PK1057)**  
 Component  
**Right Turbine**  
 Fluid  
**BP TURBO OIL 2380 (10 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: FL-621 PCE-PK1057 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GF0001624</b>	GF0000914	GF0000658
Sample Date		Client Info		<b>14 Mar 2024</b>	01 Mar 2023	28 Feb 2022
TSN	hrs	Client Info		<b>2835</b>	2668	2520
TSO	hrs	Client Info		<b>2835</b>	2668	2520
Oil Age	hrs	Client Info		<b>2835</b>	2668	2520
Filter Age	hrs	Client Info		<b>821</b>	645	496
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

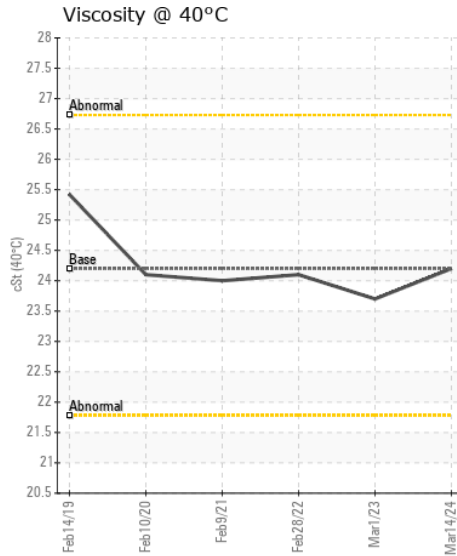
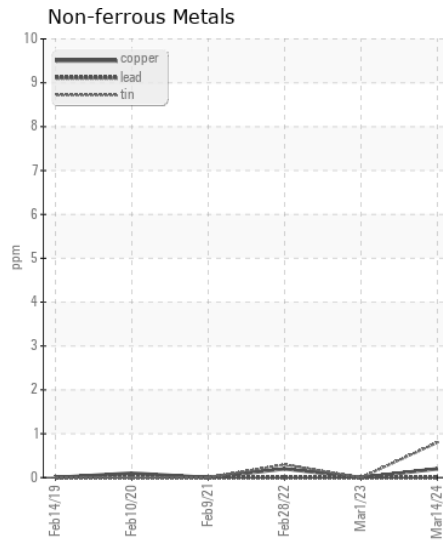
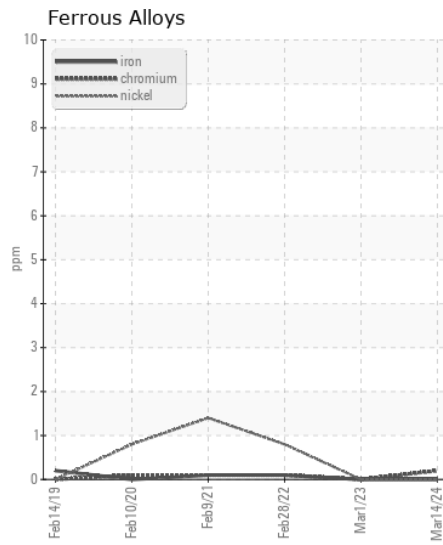
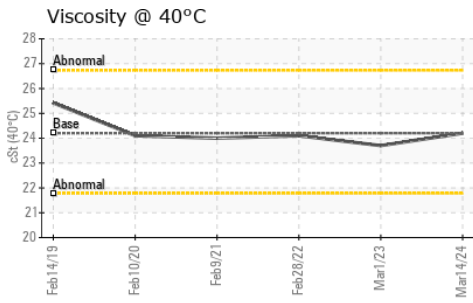
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>15	<b>2</b>	<1	1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	0
Water		WC Method	>0.03	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.03	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Calcium	ppm	ASTM D5185m	0	<b>4</b>	0	0
Phosphorus	ppm	ASTM D5185m	2500	<b>2534</b>	2608	2791
Zinc	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	0
Sulfur	ppm	ASTM D5185m	0	<b>0</b>	0	8
Visc @ 40°C	cSt	ASTM D445	24.2	<b>24.2</b>	23.7	24.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GF0001624  
**Lab Number** : 06122781  
**Unique Number** : 10936932  
**Test Package** : AVI 1

**Received** : 19 Mar 2024  
**Tested** : 20 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Don Baldrige

**STEVENS AEROSPACE AND DEFENSE SYSTEMS, LLC**  
 1280 THUNDERBIRD DR  
 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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