



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[BY-52 PCE-RX0112]
 Machine Id
[52BE] BEECH B200GT 52BE (S/N BY-52)
 Component
Right Jet Turbine
 Fluid
BP TURBO OIL 2380 (12 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: BY-52 PCE-RX0112)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GF0001484	GF0001236	---
Sample Date		Client Info		05 Feb 2024	11 Jan 2023	---
TSN	hrs	Client Info		1542	1448	---
TSO	hrs	Client Info		1542	1448	---
Oil Age	hrs	Client Info		1542	1448	---
Filter Age	hrs	Client Info		240	146	---
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	<1	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	0	---
Lead	ppm	ASTM D5185m	>3	0	0	---
Copper	ppm	ASTM D5185m	>3	0	<1	---
Tin	ppm	ASTM D5185m	>2	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

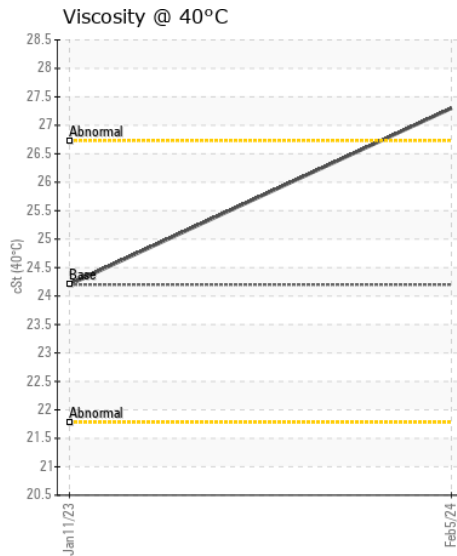
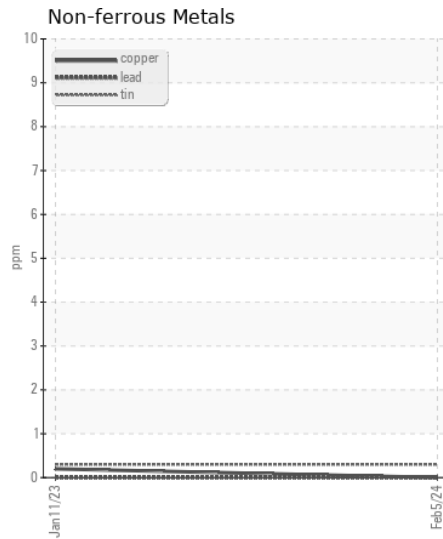
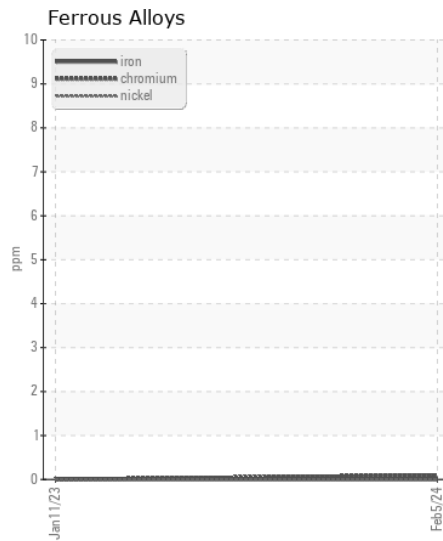
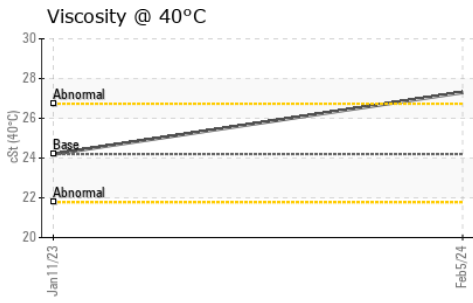
There is no indication of any contamination in the fluid.

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	VLITE	---
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 fluid 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	0	1	---
Calcium	ppm	ASTM D5185m	0	0	9	---
Phosphorus	ppm	ASTM D5185m	2500	2603	2453	---
Zinc	ppm	ASTM D5185m	0	0	5	---
Sulfur	ppm	ASTM D5185m	0	87	0	---
Visc @ 40°C	cSt	ASTM D445	24.2	27.3	24.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GF0001484
Lab Number : 06082871
Unique Number : 10870316
Test Package : AVI 1

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 09 Feb 2024 - Don Baldrige

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

Contact: PATRICK ISRAEL
 pisrael@stevensaerospace.com

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)

T: (615)365-2132
 F: (615)365-0966