



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

(C-GBRX)

Machine Id

[C-GBRX] CIRRUS SR22T 1044919

Component

Front Piston Aircraft Engine

Fluid

PHILLIPS 66 AVIATION X/C OIL SAE20W50 (8 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0931368	WC0841037	---
Sample Date		Client Info		08 May 2024	07 Dec 2023	---
TSN	hrs	Client Info		190	130	---
TSO	hrs	Client Info		190	0	---
Oil Age	hrs	Client Info		60	48	---
Filter Age	hrs	Client Info		60	48	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	85	153	---
Chromium	ppm	ASTM D5185(m)	>20	31	41	---
Nickel	ppm	ASTM D5185(m)	>15	22	21	---
Titanium	ppm	ASTM D5185(m)		<1	0	---
Silver	ppm	ASTM D5185(m)	>5	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	10	17	---
Lead	ppm	ASTM D5185(m)	>20000	8729	8060	---
Copper	ppm	ASTM D5185(m)	>25	13	20	---
Tin	ppm	ASTM D5185(m)	>30	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

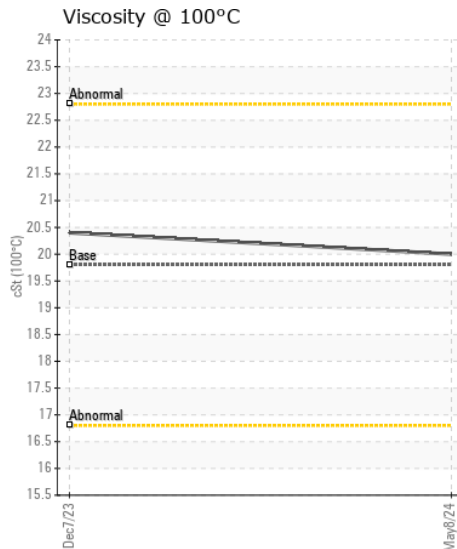
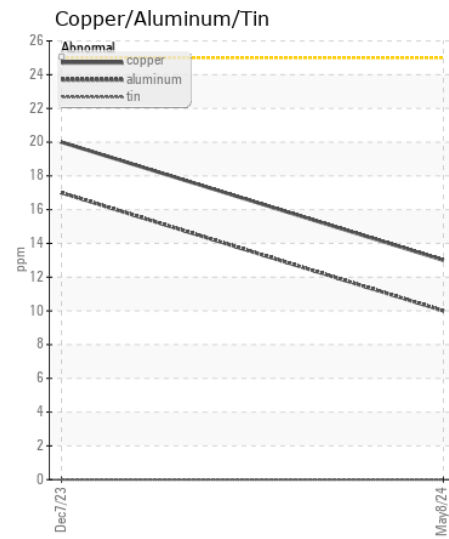
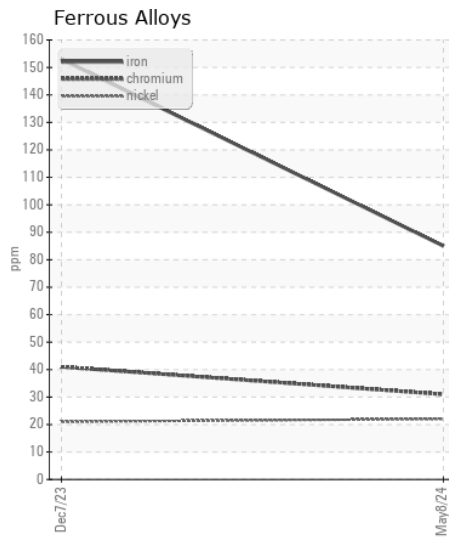
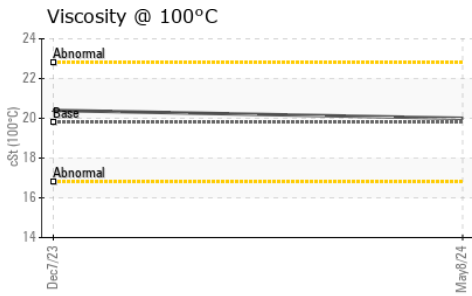
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	13	15	---
Potassium	ppm	ASTM D5185(m)	>20	0	0	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	LIGHT	---
Debris	scalar	Visual*	NONE	VLITE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	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 D5185(m)		<1	<1	---
Boron	ppm	ASTM D5185(m)		<1	<1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		11	15	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		2	<1	---
Calcium	ppm	ASTM D5185(m)		3	7	---
Phosphorus	ppm	ASTM D5185(m)		1	5	---
Zinc	ppm	ASTM D5185(m)		8	12	---
Sulfur	ppm	ASTM D5185(m)		979	1054	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.8	20.0	20.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0931368
Lab Number : 02635621
Unique Number : 5776774
Test Package : AVI 1
Received : 15 May 2024
Tested : 15 May 2024
Diagnosed : 15 May 2024 - Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.