



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(C-GUMW)
Machine Id
[C-GUMW] CIRRUS SR22T 1045306
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		WC0882179	WC0882196	---
Sample Date		Client Info		01 Mar 2024	24 Jan 2024	---
TSN	hrs	Client Info		85	78	---
TSO	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		3	28	---
Filter Age	hrs	Client Info		3	28	---
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	31	49	---
Chromium	ppm	ASTM D5185(m)	>20	7	18	---
Nickel	ppm	ASTM D5185(m)	>15	2	5	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	3	7	---
Lead	ppm	ASTM D5185(m)	>20000	1959	4680	---
Copper	ppm	ASTM D5185(m)	>25	6	14	---
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

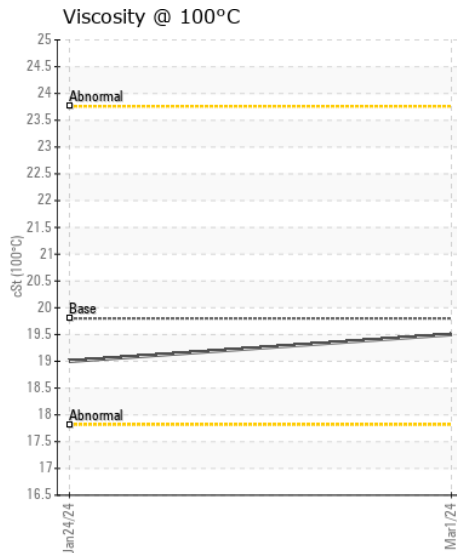
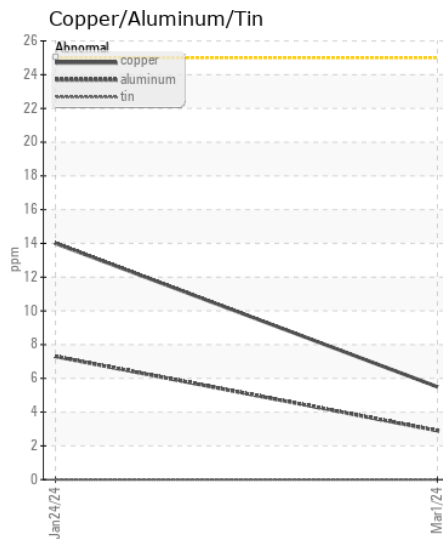
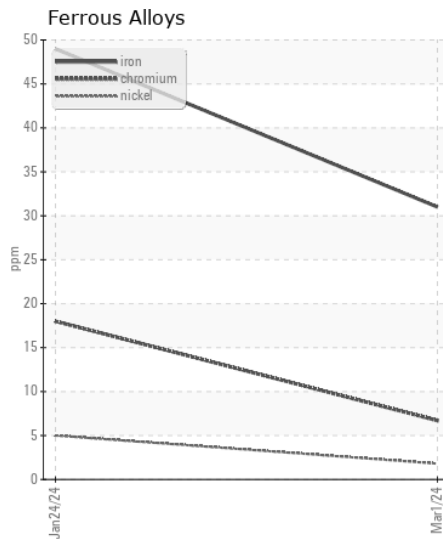
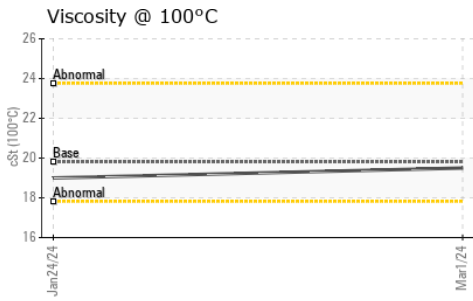
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	8	15	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
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	VLITE	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	.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	0	---
Boron	ppm	ASTM D5185(m)		0	<1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		2	8	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		1	2	---
Calcium	ppm	ASTM D5185(m)		4	8	---
Phosphorus	ppm	ASTM D5185(m)		<1	4	---
Zinc	ppm	ASTM D5185(m)		5	11	---
Sulfur	ppm	ASTM D5185(m)		954	1074	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.8	19.5	19.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CORPORATE AIRCRAFT RESTORATIONS**
Sample No. : WC0882179 **Received** : 05 Mar 2024 481 AVIATOR LANE
Lab Number : 02619918 **Tested** : 05 Mar 2024 OSHAWA, ON
Unique Number : 5737028 **Diagnosed** : 05 Mar 2024 - Kevin Marson CA L1J 0B8
Test Package : AVI 1 **Contact:** Maurice Nesbitt

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.

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