



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

(C-GHRN)

Machine Id

[C-GHRN] CIRRUS SR222T 1046304

Component

Front Piston Aircraft Engine

Fluid

PHILLIPS 66 AVIATION TYPE M SAE 20W50 (8 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0931366	WC0821900	---
Sample Date		Client Info		03 May 2024	23 Feb 2024	---
TSN	hrs	Client Info		46	28	---
TSO	hrs	Client Info		0	28	---
Oil Age	hrs	Client Info		17	28	---
Filter Age	hrs	Client Info		17	28	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	24	52	---
Chromium	ppm	ASTM D5185(m)	>20	5	13	---
Nickel	ppm	ASTM D5185(m)	>15	2	7	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	3	6	---
Lead	ppm	ASTM D5185(m)	>20000	1372	1913	---
Copper	ppm	ASTM D5185(m)	>25	14	34	---
Tin	ppm	ASTM D5185(m)	>30	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

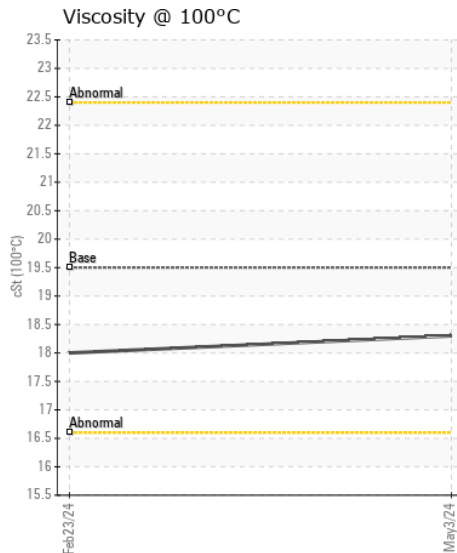
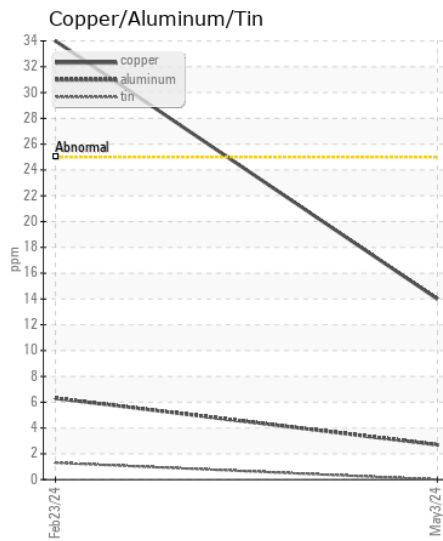
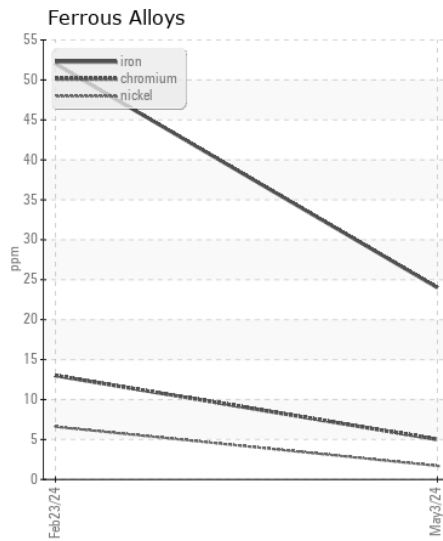
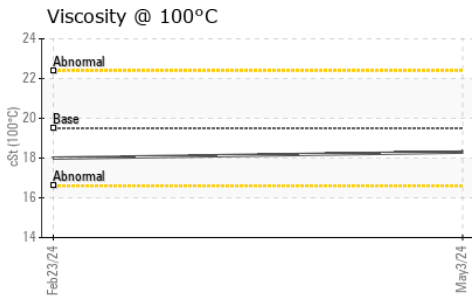
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	20	31	---
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	VLITE	---
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	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)		<1	4	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		2	3	---
Calcium	ppm	ASTM D5185(m)		5	32	---
Phosphorus	ppm	ASTM D5185(m)		8	36	---
Zinc	ppm	ASTM D5185(m)		16	57	---
Sulfur	ppm	ASTM D5185(m)		994	1328	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.5	18.3	18.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0931366
Lab Number : 02634541
Unique Number : 5775694
Test Package : AVI 1
Received : 10 May 2024
Tested : 10 May 2024
Diagnosed : 10 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.