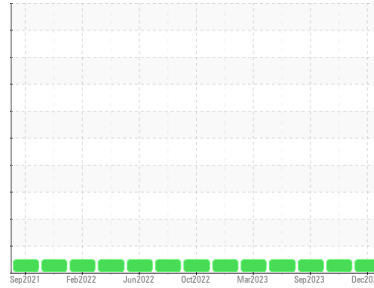




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(C-FYWI)
 Machine Id
[C-FYWI] CIRRUS SR22 687567
 Component
Front Piston Aircraft Engine
 Fluid
SHELL AEROSHELL W 80 (7 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0844061	WC0844055	WC0844053
Sample Date	Client Info	14 Dec 2023	23 Oct 2023	05 Sep 2023
TSN	hrs Client Info	2564	2512	2479
TSO	hrs Client Info	573	490	490
Oil Age	hrs Client Info	52	31	44
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<1.0	<1.0	<1.0
Water	WC Method >0.1	NEG	NEG	NEG
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >90	28	33	45
Chromium	ppm ASTM D5185(m) >20	6	11	13
Nickel	ppm ASTM D5185(m) >15	5	5	6
Titanium	ppm ASTM D5185(m)	0	0	<1
Silver	ppm ASTM D5185(m) >5	<1	<1	0
Aluminum	ppm ASTM D5185(m) >25	6	11	13
Lead	ppm ASTM D5185(m) >20000	5721	6037	7106
Copper	ppm ASTM D5185(m) >25	3	3	4
Tin	ppm ASTM D5185(m) >30	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	<1

ADDITIVES

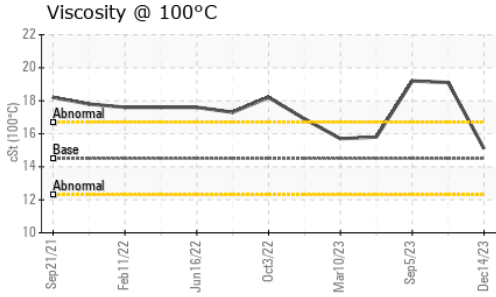
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<1	<1
Barium	ppm ASTM D5185(m)	2	<1	0
Molybdenum	ppm ASTM D5185(m)	2	4	5
Manganese	ppm ASTM D5185(m)	0	0	0
Magnesium	ppm ASTM D5185(m)	<1	<1	<1
Calcium	ppm ASTM D5185(m)	4	4	2
Phosphorus	ppm ASTM D5185(m)	15	40	158
Zinc	ppm ASTM D5185(m)	4	4	5
Sulfur	ppm ASTM D5185(m) 3000	2311	3191	3245
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	4	5	6
Sodium	ppm ASTM D5185(m)	<1	<1	<1
Potassium	ppm ASTM D5185(m) >20	0	0	<1



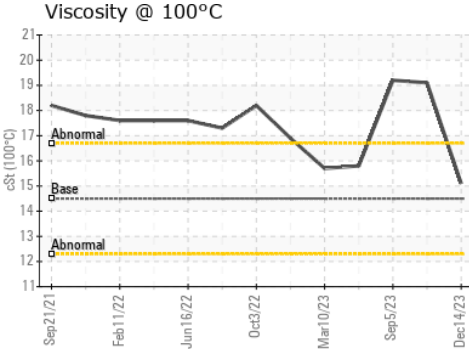
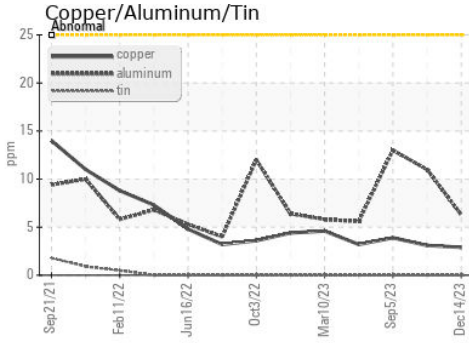
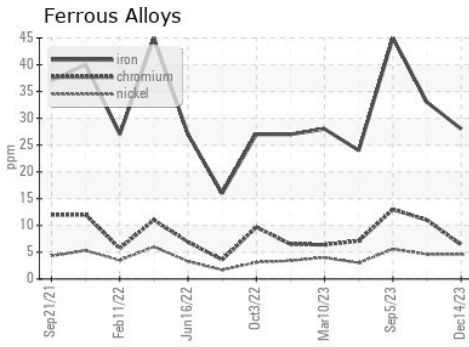
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	LIGHT
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
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	15.1	19.1	19.2

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0844061 **Received** : 04 Jan 2024
Lab Number : **02606543** **Diagnosed** : 04 Jan 2024
Unique Number : 5707629 **Diagnostician** : Kevin Marson
Test Package : AVI 1

ITPS Canada
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 London, ON
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 Contact: Shannon Hickey
 shannon.hickey@itpscanada.com
 T:
 F:

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.