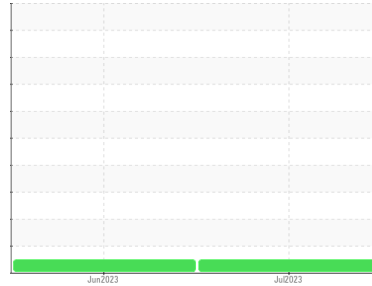




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(C-GXNS)
Machine Id
[C-GXNS] CESSNA 172N RL-36790-27A
Component
Piston Aircraft Engine
Fluid
AVIATION ENGINE OIL SAE 50 (8 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AVIATION ENGINE OIL SAE 50. Please confirm.

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	WC0834788	WC0740385	---
Sample Date	Client Info	13 Jul 2023	22 Jun 2023	---
TSN	hrs Client Info	9222	0	---
TSO	hrs Client Info	150	0	---
Oil Age	hrs Client Info	50	50	---
Oil Changed	Client Info	Changed	Changed	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >90	32	33	---
Chromium	ppm ASTM D5185(m) >20	14	15	---
Nickel	ppm ASTM D5185(m) >15	2	2	---
Titanium	ppm ASTM D5185(m)	0	0	---
Silver	ppm ASTM D5185(m) >5	0	0	---
Aluminum	ppm ASTM D5185(m) >25	5	4	---
Lead	ppm ASTM D5185(m) >20000	3214	3135	---
Copper	ppm ASTM D5185(m) >25	22	26	---
Tin	ppm ASTM D5185(m) >30	<1	<1	---
Antimony	ppm ASTM D5185(m)	0	0	---
Vanadium	ppm ASTM D5185(m)	0	0	---
Beryllium	ppm ASTM D5185(m)	0	0	---
Cadmium	ppm ASTM D5185(m)	2	2	---

ADDITIVES

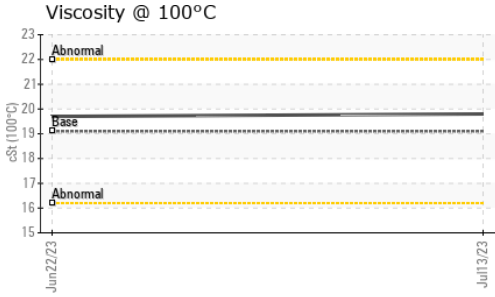
method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 5	<1	<1	---
Barium	ppm ASTM D5185(m) 5	0	0	---
Molybdenum	ppm ASTM D5185(m) 12	<1	0	---
Manganese	ppm ASTM D5185(m)	0	0	---
Magnesium	ppm ASTM D5185(m) 5	<1	<1	---
Calcium	ppm ASTM D5185(m) 5	2	2	---
Phosphorus	ppm ASTM D5185(m) 1000	1115	1025	---
Zinc	ppm ASTM D5185(m) 12	14	14	---
Sulfur	ppm ASTM D5185(m) 3500	1175	1099	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	6	7	---
Sodium	ppm ASTM D5185(m)	1	1	---
Potassium	ppm ASTM D5185(m) >20	<1	<1	---



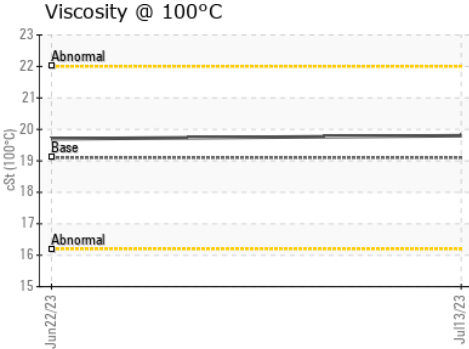
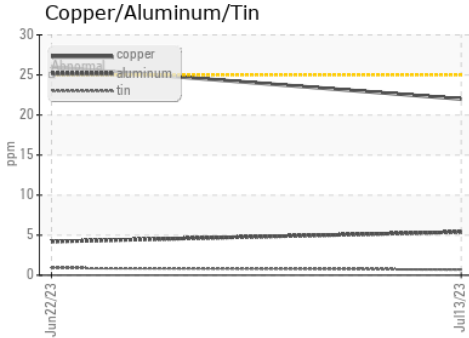
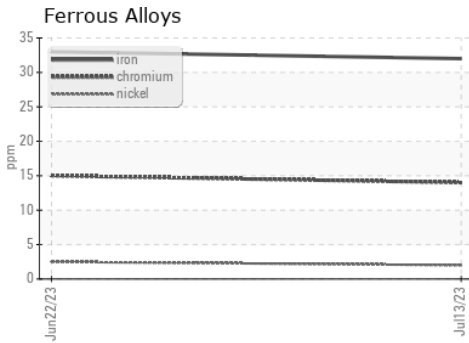
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	LIGHT	MODER
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	19.1	19.8	19.7	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0834788 **Received** : 30 Aug 2023
Lab Number : **02579325** **Diagnosed** : 30 Aug 2023
Unique Number : 5632385 **Diagnostician** : Kevin Marson
Test Package : AVI 1

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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.