



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

(C-GSDN)

Machine Id

[C-GSDN] CESSNA 182RG L-20819-40A

Component

Piston Aircraft Engine

Fluid

SHELL AEROSHELL W 100 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0952992	---	---
Sample Date		Client Info		27 Jun 2024	---	---
TSN	hrs	Client Info		0	---	---
TSO	hrs	Client Info		506	---	---
Oil Age	hrs	Client Info		18	---	---
Filter Age	hrs	Client Info		18	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	26	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>15	10	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>25	12	---	---
Lead	ppm	ASTM D5185(m)	>20000	3276	---	---
Copper	ppm	ASTM D5185(m)	>25	18	---	---
Tin	ppm	ASTM D5185(m)	>30	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

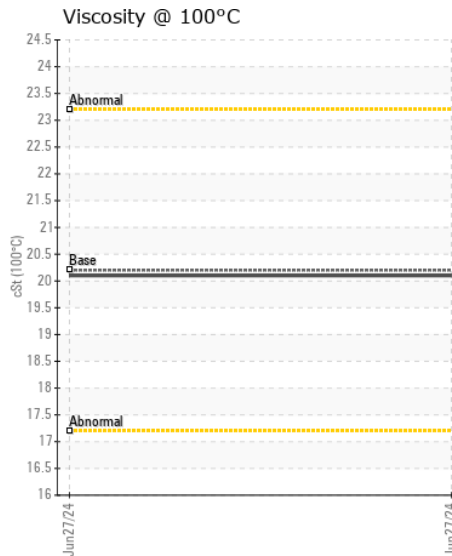
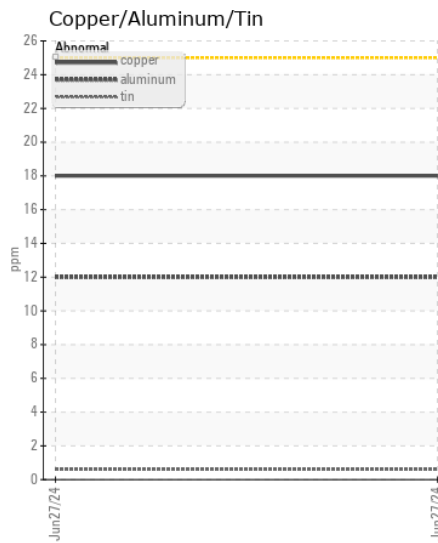
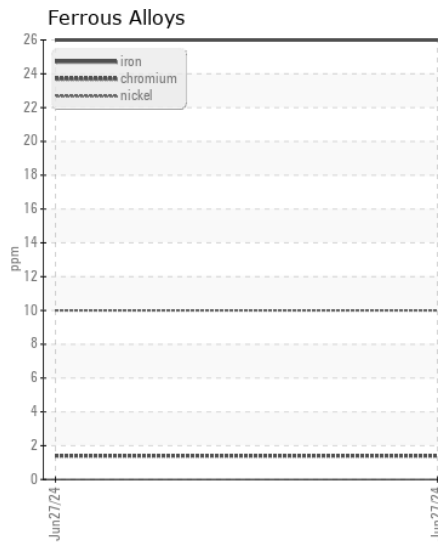
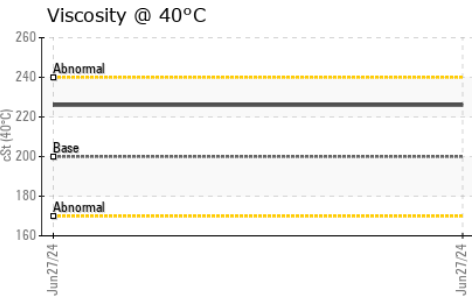
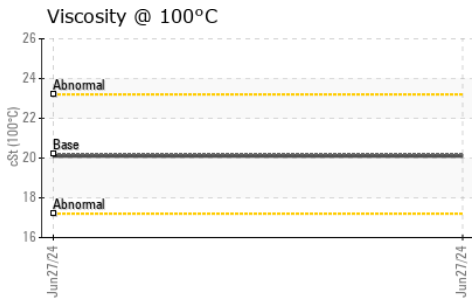
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	10	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol		WC Method		NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
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	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)		<1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	0	6	---	---
Calcium	ppm	ASTM D5185(m)	0	1	---	---
Phosphorus	ppm	ASTM D5185(m)	0	1084	---	---
Zinc	ppm	ASTM D5185(m)	0	5	---	---
Sulfur	ppm	ASTM D5185(m)	3800	2306	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	200	226	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	20.2	20.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	118	102	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0952992
Lab Number : 02644805
Unique Number : 5802344
Test Package : AVI 1 (Additional Tests: KV40, VI)

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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.