



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**(C-GVZN) [13066]**  
Machine Id  
**[C-GVZN] CESSNA L-9283-36E**  
Component  
**Piston Aircraft Engine**  
Fluid  
**SHELL AEROSHELL W 15W50 MGR (8 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0834799</b>	WC0834777	WC0615743
Sample Date		Client Info		<b>21 Sep 2023</b>	05 Jun 2023	29 May 2023
TSN	hrs	Client Info		<b>13964</b>	13896	13896
TSO	hrs	Client Info		<b>0</b>	2430	2380
Oil Age	hrs	Client Info		<b>50</b>	50	50
Filter Age	hrs	Client Info		<b>50</b>	50	50
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	<b>20</b>	16	25
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	3
Nickel	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>6</b>	5	8
Lead	ppm	ASTM D5185(m)	>20000	<b>4958</b>	4531	5352
Copper	ppm	ASTM D5185(m)	>25	<b>8</b>	10	9
Tin	ppm	ASTM D5185(m)	>30	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

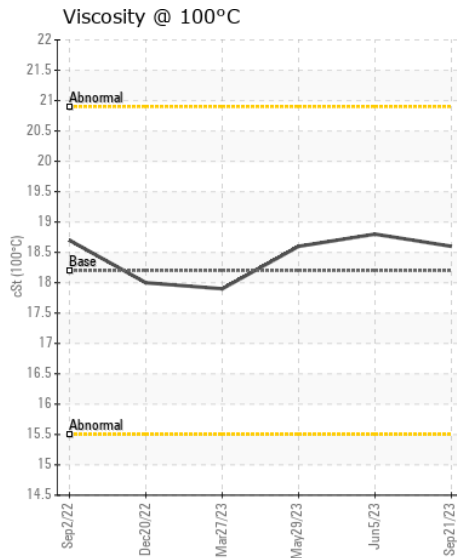
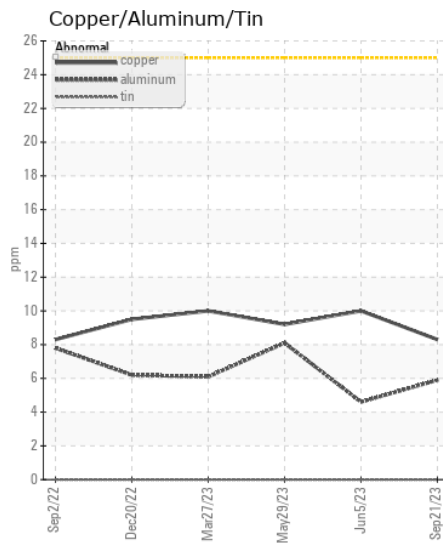
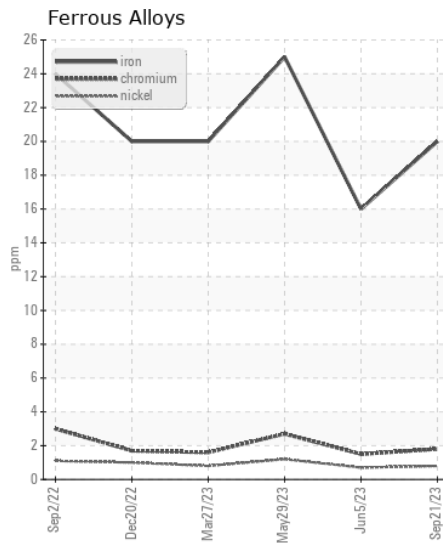
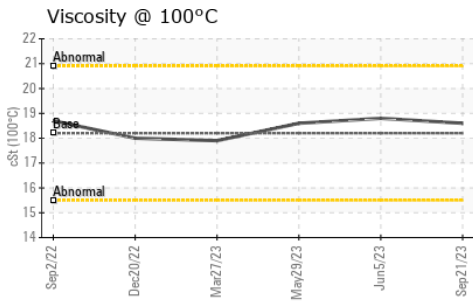
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	<b>7</b>	11	3
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>LIGHT</b>	LIGHT	MODER
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	2	3
Phosphorus	ppm	ASTM D5185(m)	1280	<b>1132</b>	1193	1050
Zinc	ppm	ASTM D5185(m)	10	<b>4</b>	6	6
Sulfur	ppm	ASTM D5185(m)	1800	<b>1221</b>	1147	1311
Visc @ 100°C	cSt	ASTM D7279(m)	18.2	<b>18.6</b>	18.8	18.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0834799  
**Lab Number** : 02631593  
**Unique Number** : 5772746  
**Test Package** : AVI 1  
**Received** : 26 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Kevin Marson

**AIR PARTNERS INC.**  
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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.