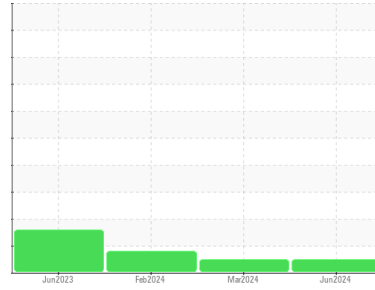




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**CESSNA C-FAXL**

Component

**Front Piston Aircraft Engine**

Fluid

**SHELL AEROSHELL W 15W50 MGR (8 QTS)**

### 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		<b>WC871691</b>	WC0852802	WC0852805
Sample Date	Client Info		<b>10 Jun 2024</b>	29 Mar 2024	05 Feb 2024
TSN	hrs	Client Info	<b>10528</b>	0	1564
TSO	hrs	Client Info	<b>1682</b>	1599	1460
Oil Age	hrs	Client Info	<b>34</b>	35	39
Oil Changed		Client Info	<b>Changed</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
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

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>90	<b>21</b>	53	37
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	7	4
Nickel	ppm	ASTM D5185(m)	>15	<b>1</b>	2	2
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>8</b>	15	16
Lead	ppm	ASTM D5185(m)	>20000	<b>4092</b>	4107	4504
Copper	ppm	ASTM D5185(m)	>25	<b>24</b>	12	▲ 26
Tin	ppm	ASTM D5185(m)	>30	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1

### ADDITIVES

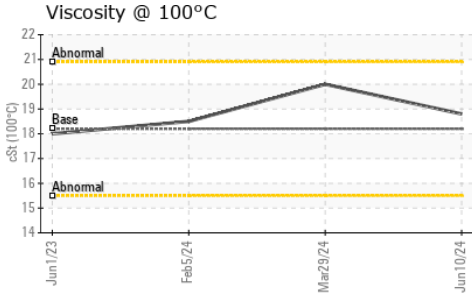
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	10	<b>0</b>	2	<1
Calcium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	3	1
Phosphorus	ppm	ASTM D5185(m)	1280	<b>1059</b>	123	1131
Zinc	ppm	ASTM D5185(m)	10	<b>10</b>	7	9
Sulfur	ppm	ASTM D5185(m)	1800	<b>1378</b>	920	1372
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	<b>4</b>	4	4
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1



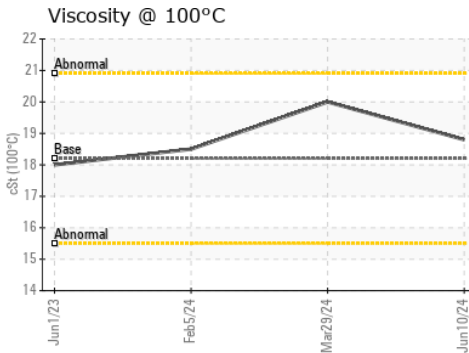
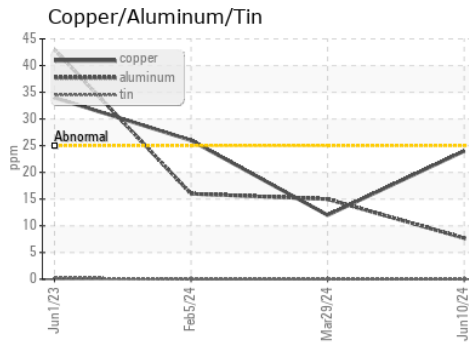
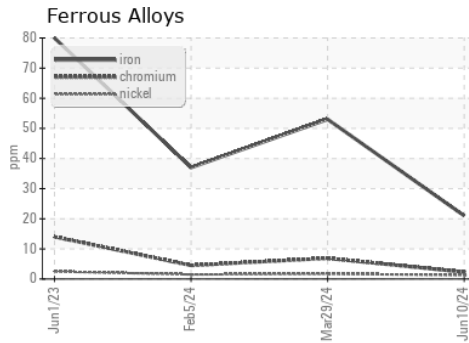
# OIL ANALYSIS REPORT



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	LIGHT	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
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	18.2	<b>18.8</b>	20.0	18.5

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC871691 **Received** : 28 Jun 2024  
**Lab Number** : **02644563** **Tested** : 28 Jun 2024  
**Unique Number** : 5802102 **Diagnosed** : 28 Jun 2024 - Kevin Marson  
**Test Package** : AVI 1

**CAMX AEROSPACE**  
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 GARSON, ON  
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 Contact: Kyle Marcoux  
 sales@camxaerospace.com  
 T: (866)279-7880  
 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.