

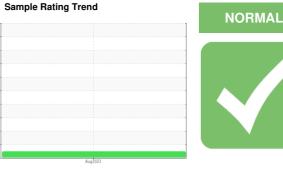
OIL ANALYSIS REPORT

(CGCTH) Machine Id [CGCTH] PIPER RL-2917-68A

Component

Right Piston Aircraft Engine

SHELL AEROSHELL W 15W50 MGR (12 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

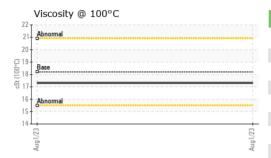
Fluid Condition

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

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	AATION			Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0834787		
Sample Date		Client Info		01 Aug 2023		
TSN	hrs	Client Info		606		
TSO	hrs	Client Info		606		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	11		
Chromium	ppm	ASTM D5185(m)	>20	3		
Nickel	ppm	ASTM D5185(m)	>15	1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>5	0		
Aluminum	ppm	ASTM D5185(m)	>25	6		
Lead	ppm	ASTM D5185(m)	>20000	1666		
Copper	ppm	ASTM D5185(m)	>25	4		
Tin	ppm	ASTM D5185(m)	>30	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		2		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	10	21		
Calcium	ppm	ASTM D5185(m)	10	6		
Phosphorus	ppm	ASTM D5185(m)	1280	724		
Zinc	ppm	ASTM D5185(m)	10	4		
Sulfur	ppm	ASTM D5185(m)	1800	925		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	6		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		



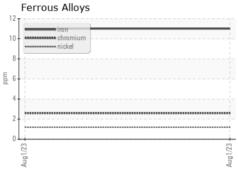
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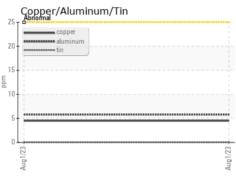


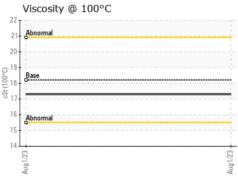
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML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

FLUID PHOPENTIES		method			riistory i	History∠	
	Visc @ 100°C	cSt	ASTM D7279(m)	18.2	17.3		

GRAPHS









CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5632395

Test Package : AVI 1

: WC0834787 : 02579335

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed

: 30 Aug 2023 Diagnostician : Kevin Marson

: 30 Aug 2023

2833 - 16TH AVENUE,, HANGAR 9 MARKHAM, ON CA L3R 0P8

Contact: Joanne joanne.airpartners@gmail.com

AIR PARTNERS INC.

F: (905)513-8986

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.