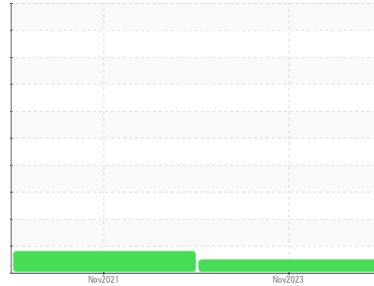




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
(C-GKSY)
 Machine Id
[C-GKSY] PIPER PA31 NAVAJO RL-1066-61A
 Component
Left Piston Aircraft Engine
 Fluid
SHELL AEROSHELL W 15W50 MGR (10 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0765791	WC0521272	---
Sample Date	Client Info		28 Nov 2023	18 Nov 2021	---
TSN	hrs	Client Info	0	0	---
TSO	hrs	Client Info	0	2383	---
Oil Age	hrs	Client Info	0	46	---
Oil Changed		Client Info	N/A	Changed	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	---
Water	WC Method	>0.1	NEG	NEG	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>90	76	84	---
Chromium	ppm	ASTM D5185(m)	>20	14	13	---
Nickel	ppm	ASTM D5185(m)	>15	9	13	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>5	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	9	13	---
Lead	ppm	ASTM D5185(m)	>20000	7589	5057	---
Copper	ppm	ASTM D5185(m)	>25	15	▲ 26	---
Tin	ppm	ASTM D5185(m)	>30	0	<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)		<1	2	---

ADDITIVES

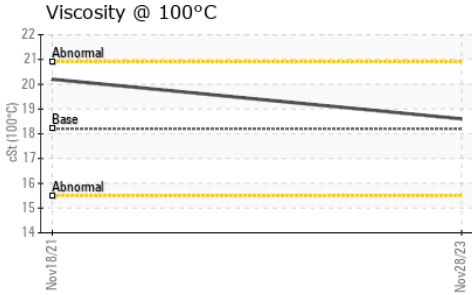
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<1	<1	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)	5	0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	10	5	3	---
Calcium	ppm	ASTM D5185(m)	10	1	1	---
Phosphorus	ppm	ASTM D5185(m)	1280	1082	1031	---
Zinc	ppm	ASTM D5185(m)	10	12	7	---
Sulfur	ppm	ASTM D5185(m)	1800	1322	1220	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	5	5	---
Sodium	ppm	ASTM D5185(m)		<1	<1	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---



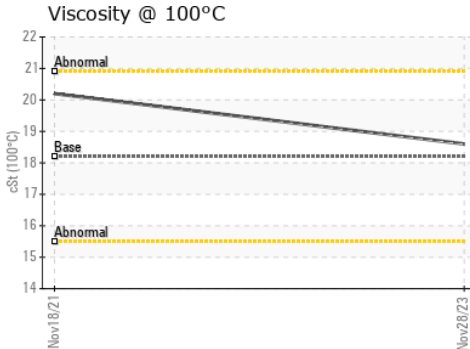
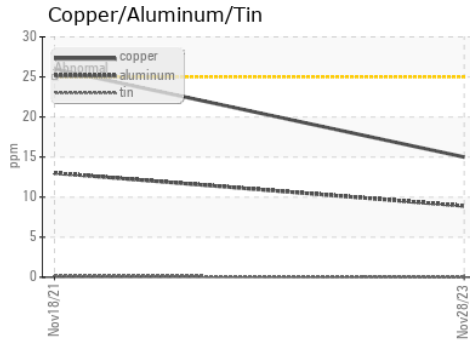
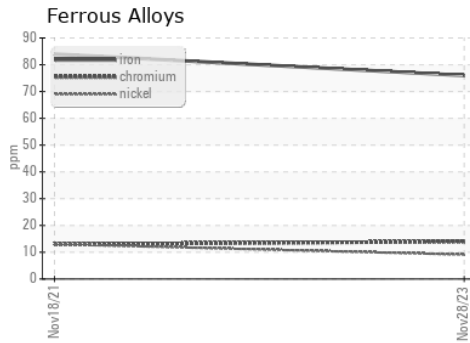
OIL ANALYSIS REPORT



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	NONE	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	18.6	20.2	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0765791
Lab Number : **02600956**
Unique Number : 5694041
Test Package : AVI 1
Received : 05 Dec 2023
Tested : 05 Dec 2023
Diagnosed : 06 Dec 2023 - Kevin Marson

A@Z Aviation
 107-23 Rue du ciel
 Bromont, QC
 CA J2L 2X4
 Contact: Alain Guillemette
 alain.guillemette@videotron.ca
 T: (450)534-1010
 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.