

DCN: **0124 231205ACI1TCB**

Aircraft Tail Number:

N565K

Aircraft Serial Number:

C0480

Aircraft Engine Model / Serial Number:

Rotax 912ULS / 6 780 956

Aircraft Propeller Model / Serial Number:

Duc Helix Flash 3 Blade/ TBD (HUB)
Blades: 2678 / 2681 / 2706

Hobbs Meter: **1351.3**

Engine TT: **1351.3**

Propeller TT: **1351.3**

Date Work Completed: **12/05/2023**

Maintenance Time (All): **10.75 Hours**

Service / Repair Observation:

Annual Condition Inspection / Engine vibration to be investigated

Work Performed by:

Todd C. Burrus / Mechanic A&P Certificate # 3729662 IA

Manual / Service Reference:

- SC-AMM-1-0-00 SportCruiser / PiperSport Maintenance Manual 01-17-2023 / Rev. 19 / Service Bulletins & Other available approved materials
- BRP-Line Maintenance Manual / d06917.pdf / BRP-Heavy Maintenance Manual / d07003.pdf, Service Bulletins & other available approved materials
- DUCHelcis Installation Manual / Doc: DH_FSH-PV_BE_02_F / 04.12.2018 / Service Bulletins & other available approved materials

Description of Service / Repair Completed:

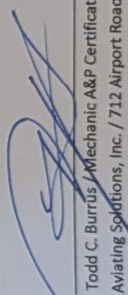
In accordance with Cruiser Aircraft, Rotax, and Sensenich maintenance manuals and other available approved data, I performed an **ANNUAL CONDITION INSPECTION** on **N565K** for aircraft, engine, and propeller. ELT tested IAW FAR 91.207(d) no discrepancies noted. ELT battery replacement due: **08/2028**. NLG tire <50% wear. LMLG tire <70% wear. RMLG tire <20% wear. Brake pads < 30% wear. Brake rotors in-specs. Spark plugs removed and replaced with 8 NGK DCPRE spark plugs. Calibrated autopilot servos on Dynon Skyview network. Removed washer, not required, on pilot side control stick linkage to make sure threads showing. Replaced throttle cables with new. Fixed alignment of gas caps.

- **CW SB-SC-082** / Engine Mount Visual Inspection / Inspected - no discrepancies / **SB is completed**
- **CW SB-SC-017** Replacement of rivets in landing gear area / Inspected per SB / **Next Due: 1451.3 or ACI - WOF**
Disassembled carburetors and inspected. Floats where all "R" labeled floats and weight was 6.4g on both pairs. Carburetors were cleaned and parts via chemical bath and hot water wash. Set float levels. Reassembled carburetors with all new, genuine Rotax rubber and sealing components including O-rings, and gaskets. Epoxy applied to all external drill ports and chamber tops. Pressure tested carburetors. Mixture set at 1.25 turns out on both carburetors. Carburetors reinstallation on engine.

- **CW SB-SC-076** / Replacement of Circlip / Replaced circlip with new / **SB is completed**
- **CW SA-CR-005** / Exchanged of Floats / Replaced during overhaul / **SB is Completed**

Note: No data was evident in the logbooks to confirm overhaul of engine. Hobbs time of engine is same as ATT or 1351.3 as of this date and will be same moving forward. Compressions as follows: **#1 84/87 #2 86/87 #3 85/87 #4 86/87**. Friction torque **283.5 in/lbs**. Carburetors balanced. Idle set at 1820 RPMs.

Propeller blade and hub inspection showed no defects or discrepancies. Balance propeller with DynaVibe. Final propeller balance: **0.03 IPS @ 314°**. Aircraft lubricated. I certify that this aircraft inspection completed on **12/05/2023** in accordance with the manufacturer's maintenance and inspections procedures and was found to be in a **CONDITION FOR SAFE OPERATION**. Operational ground and flight tests performed. No discrepancies noted. Aircraft returned to normal operational.

Signature: 

Date: **12/05/2023**

Todd C. Burrus / Mechanic A&P Certificate Number: **3729662 IA**

Aviating Solutions, Inc. / 7112 Airport Road, Burlington, WI 53105 / 262-767-0882

N565K Master Maintenance Log Sheet

12/5/2023

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ASI#: 0124

EXPERIMENTAL

AC Serial Number: C0480

Registration Number: N565K

Aircraft DOM: 4/26/2013

Engine Model: Rotax 912ULS

Engine Serial Number: 6780956

Engine DOM: 12/19/2012

Propeller Model: Duc Helic Flash 3 Blade

Propeller Serial Number: TBD

Propeller DOM: TBD

2678 / 2681 / 2706

Date Completed mm/dd/yyyy	Type Maintenance 100 Hr / Line / Heavy / Etc.	Aircraft Area (Aircraft / Engine / Propeller)	Hobbs Meter	Engine TT	Prop TT	Description (Short)	Sign-Off (First Name, Middle Initial, Last Name)	A&P Certificate # / Other Credentials	Document Control # (See DCH & Breachdown Page)
4/26/2013	Heavy	Aircraft	0.0	0.0	0.0	Engine Installed on Aircraft	Czech Sport Aircraft	QC 08	Original Engine Logbook #1
4/26/2013	Line	Engine	0.0	0.0	0.0	Engine Serviced with Fluids	Czech Sport Aircraft	QC 08	Original Engine Logbook #1
7/8/13	Line	Engine	25.0	25.0	25.0	Oil and Filter Changed	Unknown	Unknown	Original Engine Logbook #1
7/23/2013	50 Hr	Engine	50.0	50.0	50.0	50 Hour Inspection / Oil and Filter Changed	Patrick N Arnzen	A&P 2721172	Original Engine Logbook #1
9/18/2013	100 Hr	Engine	97.5	97.5	97.5	100 Hour Inspection / Oil and Filter Changed	Patrick N Arnzen	A&P 2721172	Original Engine Logbook #1
12/31/2013	100 Hr	Engine	169.5	169.5	169.5	100 Hour Inspection / Oil and Filter Changed	Patrick N Arnzen	A&P 2721172	Original Engine Logbook #1
5/7/2014	100 Hr	Engine	249.6	249.6	249.6	100 Hour Inspection / Oil and Filter Changed	Patrick N Arnzen	A&P 2721172	Original Engine Logbook #1
7/25/2014	100 Hr	Engine	335.4	335.4	335.4	100 Hour Inspection / Oil and Filter Changed	Patrick N Arnzen	A&P 2721172	Original Engine Logbook #1
10/11/2014	Heavy	Engine	350.0	350.0	350.0	Installed Zipper Big-bore 1484cc cylinders and pistons	Mitch Whatley	Owner	Original Engine Logbook #1
2/16/2015	Heavy	Engine	430.1	430.1	430.1	Removed Zipper Big-bore and reinstalled new pistons and cylinders	Mitch Whatley	Owner	Original Engine Logbook #1
2/16/2015	Line	Engine	430.1	430.1	430.1	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
2/20/2015	Line	Engine	437.5	437.5	437.5	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
3/18/2015	Line	Engine	441.3	441.3	441.3	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
4/15/2015	Line	Engine	467.1	467.1	467.1	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
5/25/2015	Line	Engine	492.0	492.0	492.0	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
6/30/2015	Line	Engine	525.2	525.2	525.2	CW SB-CR-024 / Replaced floats	Michael C. Roberts	A&P 2824412	Original Engine Logbook #1
7/6/2015	Line	Engine	528.5	528.5	528.5	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
8/3/2015	100 Hr	Engine	535.0	535.0	535.0	100 Hour Inspection / Spark plugs replaced	R. Richmond	A&P 467415747	Original Engine Logbook #1
8/3/2015	100 Hr	Propeller	535.0	535.0	535.0	100 Hour Inspection	R. Richmond	A&P 467415747	Original Engine Logbook #1
9/20/2015	Line	Engine	569.2	569.2	569.2	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
9/24/2015	Line	Engine	580.0	580.0	580.0	Oil and Filter Changed	Mitch Whatley	Owner	Original Engine Logbook #1
11/18/2015	Heavy	Engine	611.2	611.2	611.2	Installed HACman mixture control	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
11/18/2015	Line	Engine	611.2	611.2	611.2	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
12/29/2015	Line	Engine	625.0	625.0	625.0	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
2/5/2016	Heavy	Propeller	646.0	646.0	646.0	Oil and Filter Changed	Illegible	A&P 2885838	Original Engine Logbook #1
5/21/2016	Line	Engine	669.5	669.5	669.5	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
8/2/2016	Line	Engine	707.0	707.0	707.0	Oil and Filter Changed / Coolant Changed / Spark Plugs changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
9/15/2016	100 Hr	Engine	731.6	731.6	731.6	100 Hour Inspection / Oil and Filter Changed	Pouya Ighani	A&P 3805008	Original Engine Logbook #1
9/15/2016	100 Hr	Propeller	731.6	731.6	731.6	100 Hour Inspection	Pouya Ighani	A&P 3805008	Original Engine Logbook #1
12/29/2016	Line	Engine	767.0	767.0	767.0	Oil And Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
1/23/2017	Heavy	Engine	768.0	768.0	768.0	RR Ignition Modules and Stator	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
5/30/2017	Line	Engine	804.5	804.5	804.5	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
9/25/2017	Heavy	Engine	830.1	830.1	830.1	Oil and Filter Changed / Spark plugs RR / Exhaust system replaced / Coolant changed / RR Radiator	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
1/21/2018	Line	Engine	863.2	863.2	863.2	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
3/20/2018	Line	Engine	898.4	898.4	898.4	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
5/6/2018	Line	Engine	925.8	925.8	925.8	Oil and Filter Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1
7/15/2018	Line	Engine	957.9	957.9	957.9	Oil and Filter Changed / Spark Plugs Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1

N565K Master Maintenance Log Sheet

12/5/2023

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ASI#: 0124

EXPERIMENTAL

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Registration Number: N565K

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Engine Serial Number: 6780956

Propeller Model: Duc Helic Flash 3 Blade
Propeller Serial Number: TBD

2678 / 2681 / 2706

Aircraft DOM: 4/26/2013

Engine DOM: 12/19/2012

Propeller DOM: TBD

<u>Date Completed</u> mm/dd/yyyy	<u>Type Maintenance</u> (CL) 100 Hr / Line / Heavy / Etc.	<u>Aircraft Area</u> (Aircraft / Engine / Propeller)	<u>Hobbs</u> <u>Meter</u>	<u>Engine TT</u>	<u>Prop TT</u>	<u>Description</u> (Short)	<u>Sign-Off</u> (First Name, Middle Initial, Last Name)	<u>A&P Certificate # /</u> <u>Other Credentials</u>	<u>Document Control #</u> (See DCH & Breakdown Page)
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7/15/2018	Line	Engine	957.9	957.9	957.9	Oil and Filter Changed / Spark Plugs Changed	Mitch Whatley	IRMT #410002170926-2579	Original Engine Logbook #1



Access your beacon registration online 24/7 at www.beaconregistration.noaa.gov

Official 406 MHz ELT Registration Confirmation

ELT Information

Beacon Hex ID

2DC88 AC034 FFBFF

Checksum

Serial No.

Manufacturer

ACK

Model

E-04ELT

Registration Expiration Date

January 11, 2026

Owner/Operator Information

Name and Address

THOMAS BOONE FISHER

9107 BELLECHASE ROAD

GRANBURY

TX

76049

USA

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+1 813-286-2166

Home/Work/Cell

☐ H ☐ W ☒ C

☒ H ☐ W ☐ C

☐ H ☐ W ☐ C

☐ H ☐ W ☐ C

Aircraft Information

Registration (Tail) No. N565K

USAGE: ☒ Private/Non-Commercial ☐ Commercial ☐ Government Military ☐ Government Non-Military

TYPE: ☒ Single-engine propeller ☐ Single-engine jet ☐ Multi-engine propeller ☐ Multi-engine jet ☐ Helicopter ☐ Other _____

Aircraft Manufacturer Czech Sport Model SportCruiser Color Yellow Seating Capacity 2

Radio Equipment (check all that apply): ☒ VHF ☐ MF ☐ HF ☐ SSB ☐ Other _____

Survival Equipment (Describe and List Quantity): Deployable _____ Fixed _____

Principal Airport (Name or Code) .0TX1 City Granbury State TX

Additional Data (Flight Plans, etc.): _____