

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:

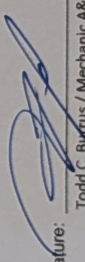
In accordance with Cruiser Aircraft, Rotax, and Sensenich maintenance manuals and other available approved data, I performed an **ANNUAL CONDITION INSPECTION** on **N565K** for aircraft, engine, and propeller. ELT tested IAW FAR 91.207(d) no discrepancies noted. ELT battery replacement due: **08/2028**. NLG tire <50% wear. LMLG tire <20% wear. RMLG tire <20% wear. Brake pads < 30% wear. Brake rotors in-specs. Spark plugs removed and replaced with 8 NGK DCPR8E 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. / 712 Airport Road, Burlington, WI 53105 / 262-767-0882

[illegible]

Description of Inspections, Tests, Repairs and Alterations

Date: 04/07/2025

Tach 1367.1

...nician or

PiperSport

N565K

S/N C0480

Condition Inspection

Performed inspection I/AW Rotax Maintenance Manual this date. Oil Service differed until next inspection. Serviced coolant overflow tank with DexCool 50/50. Performed compression check: #1 76/80 #2 80/80 #3 78/80 #4 80/80.

Engine test run, leak check OK.

Gapped and replaced all spark plugs, DCPR8E.

ASB-2ST-003 N/A by serial number. SB-912-070UL N/A by serial number.

Cleaned propeller blades and inspected. Checked torque.

*I certify this engine was inspected I/A/W a Condition Inspection and was found to be in a condition for safe operation this date.

Inspection and was found to be in a condition to operate this date.

[Signature]

[illegible]

RECORDING
TACH
TIME

PERFORMED TOTAL

Description of Inspections Tests Repairs and Alterations

Certificate Number of Te
ntries.)

Date: 04/07/2025

Tach 1367.1

Sportcruiser

N565K

S/N C0480

Condition Inspection

Performed inspection I/A/W Sportcruiser Maintenance Manual this date.

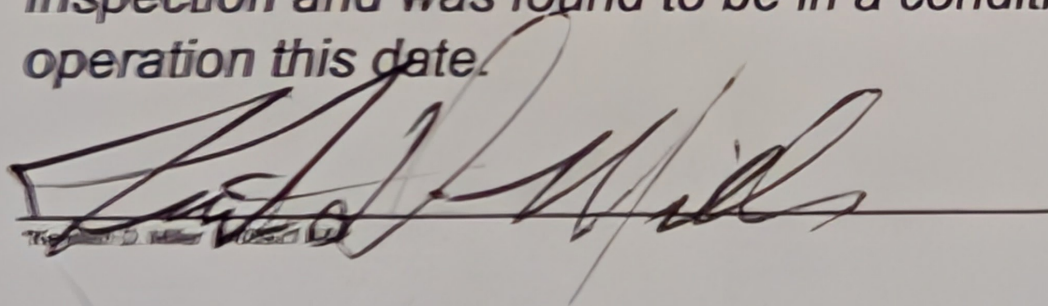
Lubed all controls and linkages. Lubed hinges on control surfaces. Inspected air filter.

Performed FAR91-207 ELT check. Found to be functional.

Battery due 8/28.

SB-CR-017 Landing gear inspected, no damage noted. Next due at Condition.

**I certify this aircraft was inspected I/A/W a Condition Inspection and was found to be in a condition for safe operation this date.*



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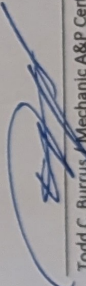
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