

20 25

DATE _____

07/20/25 N323CT Hobbs: 617.0 TTSN S/N F-12-03-11

Engine s/n 4417106

IAW Flight Design and Rotax manuals this aircraft was inspected for its 100hr and Annual Inspection. All rubber hoses in the engine compartment replaced IAW Rotax 5 Year hose change requirements. Lubed all controls. Inspected and balanced tires, brake linings are in good condition. Cleaned, inspected and repacked wheel bearings. Replaced nose gear bearings with new Timkin 6302-2rs sealed bearings. Rebuilt nose suspension with new FD poly shock pucks. Replaced fuel supply and return valves with new FD fuel valve P/N# C9997419D. Replaced rubber fuel lines from fuel valves to engine. Removed BRS-6-HS1350 system S/N 22074 for repack, Reinstalled BRS-6-HS1350 S/N 22074 system after repack at BRS Aerospace. Installed new BRS Rocket S/N 47778-13. Parachute Due 6 Year repack by 10/31/2031, Rocket replacement due by 10/31/2037. Parachute and Rocket inspected IAW SB-ASTM-CTLS-20 for correct installation. Inspected propellor and verified prop hub torques. Performed Dynon backup battery tests. Inspected ELT IAW Kannad service instructions and 91.207, battery expires 1/2026. Cleaned, inspected, safety wired gascolator. Inspected fuel pumps. Verified fuel flow from each wing tank. C/W verification of individual component SBs IAW SB-ASTM-CTLS-99, component SBs current. Checked for additional applicable SB's, all are current this date 7/20/2025. I certify this aircraft was inspected IAW with the scope and detail of the manufacturers 100hr and annual checklist as well as the scope and detail of FAR part 43 append. D. and was found to be in a safe condition for operation Next inspection 717.0 hrs or annual cond inspection 07/31/2026.

Eric Swisher RLSM-A #3029938

YEAR

20

DATE _____

RECORDING TACH TIME

TODAY'S FLIGHT

**TOTAL
TIME IN
SERVICE**

YEAR
2024
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

04/01/24 N323CT Hobbs: 546.4 TTSN S/N F-12-03-11

Engine s/n 4417106

IAW Flight Design and Rotax manuals this aircraft was inspected for its 100hr and Annual Inspection. Lubed all controls. Inspected tires, and brakes, cleaned, inspected and repacked wheel bearings. Troubleshoot intermittent flap issue, discovered grounding issue in rear flap harness, repaired harness and reprogramed flap angles. Performed Dynon backup battery tests. Inspected ELT IAW Kannad service instructions and 91.207. ELT batt date 01/2026. Performed 2 year/600hr wing inspection, next due 4/30/25 or 1146.4 hrs. Inspected propeller, and verified propellor hub bolt torque IAW with Neuform manual. Verified engine mount bolt torques. Cleaned, inspected, safety wired gascolator. Checked tire pressures. Checked for any applicable SB's, C/W SA-ASTM-CTLS-05 by inspection, no faults found. C/W SB-ASTM-CTLS-021 by removal of external charge wire. C/W SB-ASTM-CTLS-020 by inspection, correct installation of BRS verified. Sb's all are current as of 04/01/24. I certify this aircraft was inspected IAW with the scope and detail of the manufactures 100hr and annual checklist as well as the scope and detail of FAR part 43 append. D. and was found to be in a safe condition for operation Next inspection 646.4 hrs or annual cond inspection 04/30/2024.

Eric Swisher RLSM-A #3029938



End

YEAR

20 15


DATE

07/20/25 N323CT Hobbs: 617.0 TTSN S/N F-12-03-11

Engine s/n 4417106

IAW Flight Design and Rotax manuals this Engine was inspected for its 100hr and Annual Inspection. Replaced all coolant, oil and fuel hoses. Replaced the following form hoses with Rotax parts, 822430, 822420, 822440, 822450, and 822445. Installed new Rotax airbox connecting sockets 480421 with new 953093 clamps. Installed new Rotax throttle body rubber gasket 850020. Replaced fuel pressure regulator and airbox connection hose. Serviced coolant system with .75 gals of Prestone 50/50 Dexcool antifreeze. Drained oil and removed oil filter. Installed new Rotax 825016 filter, SB-912-071 N/A due to filter verification. Cut open old oil filter no abnormal findings. Inspected magnetic plug, no findings. Cleaned oil tank, installed new oil tank oring and crush gasket. Purged oil system IAW Rotax SI912-018, Serviced engine with 3L of Aeroshell Sport +4. installed new valve cover orings after checking valves. Cleaned spark plugs and gapped at 0.025" reinstalled with thermal paste. Pull test on sparkplug boots satisfactory. Removed K&N air filter, cleaned, oiled and re-installed filter. Compression check performed #1 79/80, #2 79/80, #3 79/80, #4 79/80. Downloaded ECU data and fault logs, no abnormal faults observed. Fuel flow test from L/R wing tanks satisfactory. Gascolator inspected, cleaned and safety wired. Inspected fuel pumps and backup battery system. Installed new Inline Rotax fuel filter, next due 817.0 hrs. Test ran engine, verified lane A/B operation and sensor data. ASB-912i-016is C/W, engine has more than 200 operational hours. ASB-912i-017is N/A by S/N. Checked for additional applicable SB's, all current this date 7/20/25. Cleaned engine. Ground Leak check and Post Maint Flight leak check satisfactory. I certify this engine was inspected IAW with the scope and detail of the manufactures 100hr and annual checklist as well as the scope and detail of FAR part 43 append. D. and was found to be in a safe condition for operation. Next inspection 717.0 hrs or annual cond inspection 07/31/26.

Eric Swisher RL5M-A #3029938



YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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04/01/24 N323CT Hobbs: 546.4 TTSN S/N F-12-03-11

Engine s/n 4417106

IAW Flight Design and Rotax manuals this Engine was inspected for its 100hr and Annual Inspection. All hoses in the engine compartment are in good condition. Drained oil and removed oil filter. Installed new Rotax 825016 filter, SB-912-071 N/A due to filter verification. Serviced engine with 3L of Aeroshell Sport +4. Cut open old oil filter no abnormal findings. Inspected magnetic plug, no findings. Leak check satisfactory. Removed sparkplugs, cleaned, gapped to 0.025" and reinstalled with thermal paste. Pull test on sparkplug boots satisfactory. Removed B regulator for signs of overtemp on AC wires, installed new B regulator and ops checked. Removed K&N air filter, cleaned, oiled and re-installed filter. Compression check performed #1 79/80, #2 79/80, #3 79/80, #4 79/80. Downloaded ECU data and fault logs. Fuel flow test good. Gascolator inspected, cleaned and safety wired. Inspected fuel pumps and backup battery system. Inline fuel filter not due replacement. Tightened radiator attachment bolts. Test ran engine, verified lane A/B operation and sensor data. Performed post run leak check, no leaks noted. Checked for any applicable SB's, all current as of 04/01/24. I certify this engine was inspected IAW with the scope and detail of the manufactures 100hr and annual checklist as well as the scope and detail of FAR part 43 append. D. and was found to be in a safe condition for operation. Next inspection 646.4 hrs or annual cond inspection 04/30/24.

Eric Swisher RLSM-A #3029938

Eric Swisher

End

9/3/24	557.4	N323CT F-12031	excessive RPM Loss on Lane B, Replaced Coil #4 Module. Lane A & B check Satisfactory.	<i>Eric Swisher</i> 3029938 RLSM-A
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☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: <u>2021</u>	Total Time in Service	Description <u>IAW PD AND Newform manuals, Inspected propeller</u>
Date: <u>3/6/21</u>	<u>477.6</u>	
Next Inspection Due:	Time Since Overhaul	<u>IAW 100hr checklist. I certify this propeller was found to be in a safe condition for operation</u>
<u>577.6 hrs.</u>	<u>—</u>	
		Mech. Cert. # or Repair Station # <u>3025538 LSRM-A</u>

Year: <u>2021</u>	Total Time in Service	Description <u>IAW PD AND Newform manuals this propeller</u>
Date: <u>9/1/21</u>	<u>546.4</u>	
Next Inspection Due:	Time Since Overhaul	<u>WAS Inspected for its 100hr and Annual Requirements</u>
<u>646.4</u>	<u>—</u>	
		<u>I certify this propeller was found to be in a safe condition for operation.</u>
		Mech. Cert. # or Repair Station # <u>3025538 LSRM-A</u>

Year: <u>2025</u>	Total Time in Service	Description <u>Inspected propeller IAW Newform and PD manuals</u>
Date: <u>7/20</u>	<u>617.0</u>	
Next Inspection Due:	Time Since Overhaul	<u>For 100hr Inspection and Annual Requirements. Checked for</u>
<u>717.0</u>	<u>—</u>	
		<u>App SB's, all current as of 7/20/25. I certify this propeller was found to be in a safe cond for operation</u>
		Mech. Cert. # or Repair Station # <u>3025538 LSRM-A</u>

Year: _____
 Date: _____
 Next Inspection Due: _____

Year: _____
 Date: _____
 Next Inspection Due: _____

Year: _____
 Date: _____
 Next Inspection Due: _____