## RANS AIRCRAFT MAINTENANCE LOG

N 748 RD

MODEL NUMBER S7 MODEL NAME Courier

SERIAL NUMBER 1102332 DATE OF MANUFACTURE 2011

ENGINE TYPE Rotax 912 S HORSEPOWER 100

REGISTERED OWNER Roger Johnston

STREET & NO. 4470A Hwy 78

CITY, STATE, ZIP Columbus MT 59019

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 8-2011 | 400.25 | Engine Installed Initial start up |

I certify that this aircraft has been inspected on Aug 9, 2011 (date) in accordance with the scope and detail of Appendix D to Part 43, and was found to be in a condition for safe operation.

Printed Name Roger Johnston

Signature R Johnston Date Aug 9, 2011

Last Item

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 8/10/11 | | I find that the aircraft meets the requirements for the certificate requested, and have issued a Special Airworthiness Certificate in the Experimental Category for the purpose of Operating Experimental Amateur Built Aircraft, dated August 10, 2011. Registration Number: N748RD. Next Inspection Due: Aug 31, 2012. Robert A. Radtke, Aviation Safety Inspector, NM-FSDO-05 Signature: Robert A Radtke Date: Aug 10, 2011 |
| Note | | AIRFRAME TIS & "0" engine time 400.45 - Add 400.5 to future TAH TIS & actual engine run time |

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## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 8/11/11 | 0 | FAA Inspection per ch 1 sec 1 Complete as follows<br>• Shorten All cotter keys Flight and [illegible]<br>• Trim elevator spring<br>• Locking nut on left throttle<br>• Labled: Fuel off/on, headsets, pull choke pull carb heat, pull & brakes, Ignition switch run and start<br>• reused ~~leather~~ Stabilizer wire<br>• Large nut shut bolt<br>13 Items OK ALL<br>Roger Johnston owner<br>3591979 |
| 8/27 | 1.0 | Engine run up and instrument check |
| ~~8/16/11~~ | | Initial Taxi |
| 10/27 | 30.7 | ~~Installed~~ mains 4.6 psi per manufacturer and test flight. R Johnston owner<br>FAA Concurred with phone 3591979 |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 11-2-11 | 40.0 | I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features and is safe for operations. The following operating data has been demonstrated during the flight test: VSO = 38, VX = 55 VY = 65 at weight = 986 #s and CG = 45.8 at which they were obtained<br>R Johnston owner pilot 2776528 |
| 12-2-11 | 49.8 | oil change + Filter 3.0 qts UTwin<br>Rotax Filter R Johnston 3591979 |
| 6-15-12 | 69.3 | Installed Carlisle 800x6 4 Ply Turf Gear Tires - added 1.0 lbs to each side see record w/B R Johnston 3591979 |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 8/1/12 | 89.1 | Installed Balance master Gasket/Prop ballancer on Prop Crush Plate RJ 3591979 |
| 8/20/12 | 110.1 | Condition INSPECTION As per check list - ALL OK Installed Permit Cool oil Thermostate weight less than 6 oz Changed Oil + Filter 20-50 mobil U-TWIN - replaced oil line From pump to thermostate RJ 35-91979 |
| 9/18/12 | 110.6 | Replaced the Battery with oEm RJ 35-91979 |
| 5/25/13 | 150.8 | oil change plus Filter 20-50 mobil 1 U-TWIN synth-tic RJ 35-91979 Also replaced the voltage regulator |
| 12/[illegible] | | |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 9/6/13 | 197.0 | Condition Inspection as per check list ALL ok - Installed plugs, oil change mobil 1 V-Twin, Filter, muffler bracket oil cooler bracket, rerouted Fuel line with new Filter RJohnston 3591979 |
| 3/11/14 | 250.4 | Oil Change + Filter 3 qts U-Twin Visual inspection - ALL O.K. ALL Plugs OK RJohnston 3591979 |
| 8/19 | 300.1 | Condition inspection ALL NORMAL changed oil and Filter mobil 1 U-Twin 20-50 cleaned and waxed As condition discrepancies noted- RJohnston 3591979 |
| 1/20-15 | 348.1 | oil change Filter U-Twin RJohnston 3591979 |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 9/12 | 399.3 | Oil Change Filter change and Inspection 3 qts Mobil 1 UTWDN and Filter R Schatz 3591279 |
| 9/20/15 | 415.7 | Condition Inspection ALL Normal lubed all hinges, cables, checked Spark-gaps R Schatz 3591979 |
| 12/24/15 | 430.2 | Oil Filter change Install heat wrap R Schatz 591979 |
| 9/24/16 | 487.1 | Condition Inspection - Oil + Filter - Twin 20-50 reset tel flue cyl the Tow Left Rudder replaced spark plugs check prop pitch = 14° on Detile R Schatz 3591379 |
| 1-11-18 | 566.5 | Condition Inspection annual R Schatz 3591379 |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 1-15-19 | 601 | Condition Inspection lubrication of All Controls R Schatz 3591979 |
| 1-22-19 | | Installed new Hobbs From this point Tweaked RPM 1600 hrs to Finishing R Schatz |
| 10-12-19 | 30.8 | Condition Inspection Completed R Schatz 359/979 NO Issues |
| 3-17-20 | 50.1 | Oil Change + Filter R Schatz |
| [illegible] | [illegible] | Conditional Inspection Technical Robert Rhea Owner |
| 7-12-21 | 77 | New Batteries in ELT and test OK |
| 6-7-22 | 89.1 | Annual Insp - All OK R Hagen |
| 9/30/23 | 99.4 | Cond. Insp Complete OK R Schatz |

## INSPECTION AND MAINTENANCE RECORD

| DATE | TACH. | INSPECTION OR MAINTENANCE PERFORMED |
|---|---|---|
| 5/1/2024 | | Installed Winter Instruments QM2 Slip/Skid Indicator S/N 3219 |
| 2/1/2025 | | Installed New 800R6-7 Radial Tubes |