

Log Book Entry

Air Stratus Ltd



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File Ref: **BSYU/171212**

CAA Approval AMR/496  
EASA Part M Subpart F Approval: UK.MF. 0057  
EASA Part M Subpart G Approval: UK.MG. 0271

**Registration G- BSYU Aircraft Type: Robin DR400-180 Serial No: 2027 Recorded hrs 1651-30**

**Engine Type: O-360-A3A Serial No: L-32694-36A Recorded Time SMOH 1651-30**  
**Propeller Type: Sensenich 76EM8S5-0-64 Serial No: 38144K**

The following work has been carried out on the above.  
Aircraft dismantled. All fabric removed. Fuel tanks removed. Structure cleaned and inspected. Part of LH leading edge removed to gain access to area of dry rot. Dry rot removed from structure between LH ribs 1 and 2 on main spar at fuel tank support and scarf repair carried out. RH wing spar dry rot removed and repaired at rib 1, tank mount. Minor repairs carried out to ribs. Internal structure re-protected. All rib bracing tapes renewed. Leading edge repaired and refitted. RH Wing root rib repaired. Undercarriage and fairings removed prepared and repainted. Wing re-wired. Wing root fairings repaired. Aircraft recovered with Ceconite fabric and reassembled. Fuel, instrument, electric and hydraulic systems reconnected and checked. Brake system primed and bled. Fuel tanks refitted. Partial fuel flow check carried out and found to be 143 ltrs / hr. Ailerons and rudder prepared and recovered. All Flying controls mass balance checked IAW maintenance manual, refitted, reconnected, cables tensioned and R of M checked. Engine cowlings repaired. Aircraft prepared and refinished in Insignia White with Burgundy trim and Gold accent. Aircraft reweighed and Weight and Centre of Gravity Schedule raised by Loadmasters.  
The above work is in compliance with CAP 747 Generic Requirements 8, 10 & 50 and CAAIP Leaflets 2-8, 1-12 & 51-10. Further details including Independent inspections held on file  
**NB.** Mandatory markings and decals to be applied by owner.

Certifies that the work specified except as otherwise specified was carried out in accordance with Part M and is

6	Date	Time Run Since New or Complete Overhaul		Time Run Since Top Overhaul		Cycles Run Since New or Complete Overhaul
		2	3	3	4	
1		h	m	h	m	4
	Total bf.	1141	30	1141	30	1434
	11.9.05	1141	35			1435
	12.9.05	1143	00			1436
	13.9.05	1144	40			1437
	14.9.05	1146	05			1438
	18.9.05	1147	20			1442
	22.9.05	1148	25			1444
	24.9.05	1148	50			1445
	29.9.05	1149	45			1446
	4.10.05	1150	15			1447
	5.10.05	1152	10			1447
	10.05	1153	05			1450
	10.05	1153	20			1452
	10.05	1154	20			1453
		1155	10			1455
	Total cf.					1457

The work recorded below has been carried out in accordance with the requirements of the Air Navigation Order 1988.

Particulars of Maintenance and Other Work Carried out on this engine.

ENGINE

<b>Akki Aviation Services Ltd</b> Turweston Aerodrome Brackley Northants Tel: 01280 706616	<b>Certificate for Release to Service for          Scheduled Maintenance Inspection          And Maintenance Statement</b>	<b>K51ARC          Rev. 1</b>
UK.145.00728 / UK.MG.0354		

<b>Aircraft Type</b>	<u>ROBIN DR400/180</u>	<b>Registration</b>	<u>a-BSYU</u>
<b>at</b>		<u>ANNUAL</u> S.M.I. has been carried out in accordance with SDMP / MS / OWN OR	File Ref: <u>J8039</u>
<b>at</b>	<u>1881.25</u>	<b>Airframe hours.</b>	

CRS serial no. 00027 .....

**Part 145.**  
 Certifies that the work specified except as otherwise specified was carried out in accordance with Part 145 and in respect to that work the Aircraft is considered ready for Release to Service.  
 Next SMI is 100 Hrs / ANNUAL Due at 1881.25 Hrs or on 7/6/22  
 Note: Radio Certification is due on annual inspection. Annual is due on 7/6/22  
 Category C certification:

Signed	Authority	Date
		<u>7/6/21</u>

Recorded below has been carried out in accordance with the requirements of the Air Navigation Order for the time being in force and in that respect the aircraft/equipment is considered fit for release to

requirements of the Air Navigation Order for the time being in force and in that respect the aircraft/equipment is considered fit for release to

**RONALDSON AVIATION LTD**  
**LOG BOOK CERTIFICATE**

Aircraft Registration: G-BSYU      Works Order No: R/L00288  
Engine Type: O-360-A3A      Engine Serial No: L-32694-36A

**Work Carried Out:**

Engine fully dismantled and repaired with the following items being replaced at this time.  
Camshaft, Tappet Bodies, All Main Bearings, All Big End Bearings, Con Rod Bolts, Con Rod Nuts,  
Crankshaft Gear Bolt and All Seals and Gaskets.

All Cylinder Assy's honed, New Pistons, Piston Rings and Piston Pin Plugs fitted. All Valves and  
Seats recut and refitted. Exhaust Ports refaced and New Studs fitted.

Crankshaft Bore P.I.D. I.A.W. Lycoming Service Bulletin 530. Next Crankshaft Bore Inspection  
due 11<sup>th</sup> June 2014.

500 Hour Inspection carried out on Magnetos as detailed below and despatched in box with engine  
for fitment by Mr A Wright.

Part No	Item	Serial No	Position
4373	Magneto	92070115	L/H
4270	Magneto	90010441	R/H

Engine released for continuation of life subject to satisfactory installation, ground run and Air Test  
reference Textron Lycoming Service Instruction 1427.

To promote good oil control engine to be run on straight mineral oil for the first 100 hours of  
operation.

Full details of work carried out held on file Reference Works Order No R/L00288.

The work recorded above has been carried out in accordance with the requirements of the Air  
Navigation Order for the time being in force and in that respect the aircraft/equipment is considered  
fit for release to service.

Signed: 

Date: 14/6/04

Mr R Ronaldson  
CAA Licence No 20737  
Signed on behalf of Ronaldson Aviation Ltd

Tights of awi craft  
ing engine repair  
ght to Lycoming  
F.B.  
