

**Civil Aviation Authority**

G-BAGO  
ENGINE (STBD)  
S/No. 235257R



CAP 391

## Engine Log Book

(MTWA exceeding 2730 kg)

Civil Aviation Authority London

## ENGINE

Type..... QT310S20H  
Constructor..... TELEDYNE CONTINENTAL . USA .  
Constructor's Number..... 235257-R  
Date of Construction..... 25-2-85

## OPERATOR

Name..... BANLINE AVIATION  
Address..... EAST MIDLANDS AIRPORT  
Name.....  
Address.....  
Name.....  
Address.....  
Name.....  
Address.....  
Name.....  
Address.....  
Name.....  
Address.....

Date of Installation

13-3-86

5

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHECK ..... CARRIED OUT AT 9.1 Hrs. 25. ins.  
ON 13.3.87 TO ..... MAINTENANCE  
SCHEDULE. 26. BAN/4003/ISS. 2.....  
Signed: Oil Authority 7.622

A D 86-13-04 Satisfied at  
91.25 Hrs B. B. B. 11463  
13.3.87

# CERTIFICATE OF RELEASE

## TO SERVICE

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.

Sign: B. B. B. Auth: 11463 Date: 13.3.87

Date of Installation..... 13-3-86

6

(7)

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AD 86-13-04 satisfied at 136 hours

**CERTIFICATE OF RELEASE  
TO SERVICE**

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

Sign. *L. Hall* Auth. *1463* Date *29.5.87*

CHECK 1..... CARRIED OUT AT *10:6:40* mins.  
ON *29.5.87* TO APPROVED MAINTENANCE  
SCHEDULE, REF. *BAW/4005/152*  
Signed: *PAE* Authority *7022*

DOMINGTON AVIATION W/O 87/162



Nationality British

Position STB

In.	(i) Time Run Since Complete Overhaul		(ii) Time and/or Cycles * Run Since Last Statement of Life Used on Life Limited Parts		Cycles
	Hrs.	Min.	Hrs.	Min.	
0					
9					
4					
5					
1					
4					
8					
2					
0					
1					
0					
7					
4					
4					
5					
7					
5					

Date of Installation 13-3-86

8

- (1) Particulars of all maintenance work done on the engine.  
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 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHECK I CARRIED OUT AT 172:30 hrs.  
 ON 7.8.87 TO APPROVED MAINTENANCE  
 SCHEDULE REF BRAN/4661/ISA 2  
 Signed: [Signature] Authority LBA 7.33

AD 86-13-04 satisfied at 172 hrs.

**CERTIFICATE OF RELEASE  
TO SERVICE**

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 is considered fit for release to service.

Signed [Signature] Auth. 11463 Date 7.8.87

Date of Installation.....13-3-86.....

9

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHECK 7.....	CARRIED OUT AT 207 Hrs 6 mins.
ON 25-3-86	TO APPROVED MAINTENANCE
SCHEDULE, REF. PAN/4005/142	
Signed: [Signature]	Authority 7022

Date of Installation.....

13-3-86

10

- (1) Particulars of all maintenance work done on the engine.  
 (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
 (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

AD 86 T3.06 replaced at 209.

CHECK.....	I CARRIED OUT AT	234 55	Hrs. .... mins.
ON 3/12/87	TO APPROVED MAINTENANCE		
SCHEDULE REF	BAN 4005/1582		
Signed: <i>dal</i>	Authority 7022		

CERTIFICATE OF RELEASE  
TO SERVICE

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.

Sign. *dal* Auth. 11663 Date 4.10.87

DONNINGTON AVIATION LTD

87303

Date of Installation..... 13-3-86

11

- (1) Particulars of all maintenance work done on the engine.  
 (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
 (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

\* Run Since  
 of Life  
 ited Parts

Cycles

CHECK 3 AS REQUIRED CARRIED OUT AT ... Hrs. .... mins.  
 ON 2.3.86 TO APPROVED MAINTENANCE  
 SCHEDULE REF BAW/1005/1552 NO  
 Signed: [Signature] 19.10. Authority [Signature]

AD 86-13-04 satisfied

at 242-57.

# CERTIFICATE OF RELEASE

## TO SERVICE

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

Sign: [Signature] Auth: [Signature] Date: 13.3.86

Date of Installation..... 13-3-86

12

- (7)
- (1) Particulars of all maintenance work done on the engine.
  - (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
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  - (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

Engine ground run during period of major flying.

By liner checked for corrosion and general condition  
- found satisfactory.

CHECK.....	CARRIED OUT AT ... Hrs. 249.3 mins.
ON 10.1.89.....	TO APPROVED MAINTENANCE
SCHEDULE, REF. BAN/4005/152.....	
Signed: <i>B. Blair</i>	Authority 11463

W/O 89/001

Minor repairs carried out to engine sifter  
compression check = 1.72/2; 72/3, 70/4.65.  
18/6.70; AD 86-13-04 complied  
with

CHECK.....	CARRIED OUT AT 249.23 mins.
ON 7/2/89.....	TO APPROVED MAINTENANCE
SCHEDULE, REF. BAN/4005/152.....	
Signed: <i>B. Blair</i>	Authority 11463

DONINGTON AVIATION W/O 89/54

### CERTIFICATE OF RELEASE TO SERVICE

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.

Sign: *B. Blair* Auth. 11463 Date: 7/2/89

Date of Installation.....

13/3/86

13

(7)

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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

AD 0487 PRE 78 AND AD 72-14-08

SATISFIED.

### EASTERN AIR EXECUTIVE LTD.

CHECK ~~CME~~..... File Ref. ~~89/1372~~ carried out to  
SCHEDULE REF. ~~EAE~~ ~~12421/1~~  
at... ~~294.30~~... A/C Hours ~~Engine~~  
CERTIFICATE OF RELEASE TO SERVICE

"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 ~~[Signature]~~..... LICENCE NO.: ~~16545~~

CAA Approval Ref ..... Date ~~2/1/88~~

Date of Installation.....

13/3/86

14

(7)

- (1) Particulars of all maintenance work done on the engine.
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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

AD 0487 PRE 78 AND NEW THROTTLE  
CABLE FITTED IN GERMAN INSPECTION  
AND REASSEMB.

# EASTERN AIR EXECUTIVE LTD.

CHECK ONE File Ref 901518 carried out to  
SCHEDULE REF FAE/C4216/2  
at 2659.15 A/C Hours  
CERTIFICATE OF RELEASE TO SERVICE

"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 [Signature] LICENCE NO. 16646

CAA Approval Ref ..... Date 9/5/80

Date of Installation.....

13/3/80

16

(7)

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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

FAAD 72-14-08 SATIS.

**EASTERN AIR EXECUTIVE LTD.**

CHECK ONE File Ref. 90/1177 carried out to  
SCHEDULE REF. FAA/2421/2.....  
at 3751.18... A/C Hours

**CERTIFICATE OF RELEASE TO SERVICE**

"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 [Signature] LICENCE NO. 10833  
CAA Approval Ref. 445.225, Date 26/1/90

**EASTERN AIR EXECUTIVE LTD.**

CHECK ONE File Ref. 90/1177 carried out to  
SCHEDULE REF. FAA/2421/2.....  
at 3751.18... A/C Hours

**CERTIFICATE OF RELEASE TO SERVICE**

"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 [Signature] LICENCE NO. 16646  
CAA Approval Ref. 445.225, Date 27.11.90

THE FOLLOWING SATISFIED; FAA AD 75-23-08 (0487 PRE 78) AND

86-13-04 SATIS.



STBO

Time and/or Cycles \* Run Since  
Last Statement of Life  
Used on Life Limited Parts

Min.	Hrs.	Min.	Cycles
<del>C of A</del>			

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**JADEALOT AVIATION LTD.**

APPROVAL NO. AMR 200 WORKS ORDER NO. 52424005

SENDER'S MANUFACTURER CHECK HAS BEEN COMPLETED TO MY SATISFACTION  
AT 437.0 TOTAL AIRFRAME ENGINE/POWER PLANT  
MANUFACTURE MANUFACTURER

MANUFACTURER'S SERIAL NO. REF.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ AUTHORITY \_\_\_\_\_

APPROVED BY [Signature] 28 11 91 17446

EXTENDED WARRANTY \_\_\_\_\_

SALES \_\_\_\_\_

FAA AOS TO BW91-22 CAA AOS TO ISSUE 001 MAMIB TO ISSUE 133 CAA AOS VOL III  
TO ISSUE 017 AIRWORTHINESS NOTICES TO ISSUE 107.  
AO 001-11-90 SATISFIED THIS TIME BY YORKSHIRE LIGHT AIRCRAFT LTD. PROP REMOVED  
AND REFITTED AFTER NOTICE 75 WAS CARRIED OUT BY C.S.E. LTD. MAGS, 500 HR. INSP CARRIED OUT.  
DUPLICATE INSPECTIONS CARRIED OUT. NEW BATTERY FITTED.  
CYLINDER COMPRESSIONS: - 1/75 2/72 3/74 4/70 5/74 6/71 CYLINDERS 1, 3 AND 5  
REMOVED BY JADEALTO AVIATION LTD. TO ENABLE AO 001-11-90 TO BE CARRIED  
OUT, CYLINDERS REFITTED IN ACCORDANCE WITH MANUAL

"The work recorded above has been carried out in accordance with the

"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."

~~SE FOX~~  
LAE 17446

Date of Installation.....

13-3-86

19

- (1) Particulars of all maintenance work done on the engine.  
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"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."

GE FOX  
LAE 17446

22-4-82

2 DAY INSPECTION.

Date of Installation ..... 13-3-86

20

(7)

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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

62 DAY INSPECTION CARRIED OUT AT 470.9 ENGINE HOURS

*Tankers*

LAE. 9182.

23/6/92.

"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."

Date of Installation..... 13-3-86

21

- (1) Particulars of all maintenance work done on the engine.  
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(4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

✓ TO MANUFACTURERS SCHEDULE.  
10 HOUR INSPECTION CARRIED OUT FAA AOS TO BW 92-16 CAA AOS TO ISSUE 216 MAMTS  
2 ISSUE 142 CAA AOS VOL II TO ISSUE 226 AIRWORTHINESS NOTICES TO ISSUE 108

"The work recorded above has been carried out in accordance with the requirements of the Air Navigation Order and the Airworthiness Regulations and the aircraft is considered fit for return to service."

*[Signature]*  
LAE 9182  
20/8/92.

JADEALTO AVIATION LTD.	
GENERAL AIRCRAFT	WORKS UNDER NO. JAY/AGO/805
ANNUAL + 200 HR.	
PERFORMANCE CHECK	COMPLETED
493.59	SATISFACTION
MAINTENANCE SCHEDULE	CERTIFICATE OF COMPLETION
SIGNATURE	DATE
<i>[Signature]</i>	1/3/93
1/3/93	9182

ANNUAL + 200 HOUR INSPECTION CARRIED OUT I.A.W. MAINTENANCE  
SCHEDULE 91/MS/CSSNA 421/101. FAA AOS TO BW 93-02 CAA  
AOS VOL II TO ISSUE 222 MAMTS TO ISSUE 148  
AIRWORTHINESS NOTICES TO ISSUE 109. WORK SHEETS ON  
FILE REF. JAY/AGO/805.

} Date of Installation... 13-3-86

23

(7)

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50 HOUR INSPECTION CARRIED OUT AT 539.50 ENGINE HOURS.

1. A.W. CAA APPROVED MAINTENANCE SCHEDULE M/CESSNA/421/101.

*Monmouth*

LAE 9182 2/7/93.

} Date of Installation ..... 13-3-86 .....

24

(7)

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- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

4 MONTH INSPECTION CARRIED OUT AT 558.45 ENGINE HOURS. I.A.W.  
MS/CESSNA 421/101.

~~LAE19298~~

~~04-11-98.~~

STB.D

Run  
complete  
haul

Time and/or Cycles • Run Since  
Last Statement of Life  
Used on Life Limited Parts

595

DATE \_\_\_\_\_

8/10

Mrs.

Min.

Cycles

100 HOUR INSPECTION CARRIED OUT AT 592.50 ENGINE HOURS. I.A.W.

MAINTENANCE SCHEDULE MS/CESSNA 441/101. CYLINDER COMPRESSIONS:-

1  $74/80$  2  $72/80$  3  $72/80$  4  $69/80$  5  $74/80$  6  $76/80$ .

A. K. K. - 16326 16.1.94

25

Clinical top.

Date of Installation... 13-3-96

# YORKSHIRE LIGHT AIRCRAFT LTD.

LEEDS/BRADFORD AIRPORT - YEADON - LEEDS LS19 7YR

TEL. RAWDON 503133 FAX 0532 507391

JOB No.

54738

DATE

07.02.94

25

AIRCRAFT REGISTRATION: G-BAGO

ENGINE TYPE: GTSIO-520-H

PORT/STBD

SERIAL NO. 235257-R

## ENGINE STSD

Inoperative Tacho Generator removed, Serial No: 10172, found to have sheared drive.

Nil hour S/X Tacho Generator, Serial No: 1050 fitted using new gasket.

Plug cables re-soldered in position.

Engine run carried out - satisfactory.

Parts fitted:

G.R.No: 4-20-94 Part No: 0850350-5RX Serial No: 1050 Tacho Generator

YORKSHIRE LIGHT AIRCRAFT LIMITED

When making Airworthiness Certifications this Company must assume but accepts no responsibility that all previous certifications by other parties and/or available information relative to this Airworthiness Certification are correct and are not invalidated by uncertified or unnotified action.

"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

Yorkshire Light Aircraft Ltd.

Authority

Date

I.A.W.

IONS-



LOG BOOK CERTIFICATE

A\C REGISTRATION.G-BAGO.....A\C TYPE..CESSNA.421B....  
CONSTRUCTORS NO..421B-0356...

PORT ENGINE S\NO .267223R.....TOTAL ENGINE HOURS 194-10  
STBD ENGINE S\NO...235257R.....TOTAL ENGINE HOURS 630-00  
PORT PROP S\NO.....798941.....TOTAL HOURS.203-10  
STBD PROP S\NO....757271.....TOTAL HOURS.203-10

THE WORK DETAILED BELOW HAS BEEN CARRIED OUT ON THE ABOVE AIRCRAFT, STBD ENGINE.

- CHECK FOUR CARRIED OUT IAW MAINTENANCE SCHEDULE REF, NEA\CESSNA\421\2  
AT 3990-10 A\FRAME HOURS, 630-00 ENG HOURS,  
1\ COMPRESSION CHECKS CARRIED OUT, 1-76, 2-76, 3-72, 4-74, 5-76, 6-74.  
2\ OIL FILTER INSPECTED, -NIL DEFECTS, -NEW FILTER FITTED.  
3\ OIL CHANGE CARRIED OUT, ENGINE REFILLED WITH CASTROL MULTIGRADE 20W-50  
4\ AD 75-23-08R5 COMPLIED WITH BY INSPECTION AND REPLACEMENTS.  
5\ NEW SEALS FITTED TO EXHAUST SLIP JOINTS AS NECESSARY,  
6\ NEW EXHAUST ELBOW PT NO, 5155156-20 FITTED.  
7\ NEW EXHAUST ELBOW PT NO, 5155156-16 FITTED.  
8\ NEW EXHAUST SUPPORT CLAMP FITTED.  
9\ NEW INDUCTION AIR HOSE FITTED  
10\ NEW INDUCTION AIR FILTER FITTED--AD 84-26-02 SATISFIED.  
11\ NEW MAGNETO DRIVES AND CUSHIONS FITTED TO LEFT AND RIGHT MAGNETOS.  
12\ MAGNETO COVERS FITTED IN CORRECT POSITIONS, MAGNETOS RE-TIMED TO ENGINE.  
13\ NEW ENGINE RUBBER MOUNT FITTED FORWARD INBD POSITION, NEW BOLT FITTED AND LOCKED.  
14\ OIL PRESSURE ELBOW REMOVED CLEANED AND RE-FITTED.  
15\ ALL FLEXIBLE HOSES REMOVED, RE-MANUFACTURED BY "R F SAYWELL" AND RE-FITTED--PRESSURE CHECKS CARRIED OUT.  
16\ PNEUMATIC SUPPLY DE-ICER LINE REPLACED.  
17\ FIRE EXTINGUISHER AND CARTRIDGE REMOVED AT THIS TIME, AWAITING HYDROSTATIC INSPECTION, SYSTEM PLACARDED "INOPERATIVE"  
18 COMPLETE GROUND RUNS AND FUNCTION CHECKS CARRIED OUT --FIGURES RECORDED ON NEAM FORM 32.  
NEAM WORKS ORDER 94 8108 REFERS TO COMPLETE WORK CONTENT AND SPARES UTILISATION.

Certifies that the work specified except as otherwise specified was carried out I.A.W JAR-145 and in respect to that work the Aircraft\Aircraft component is considered ready for release to service.  
APPROVAL -----C.A.A.00066

SIGNED.....*[Signature]*.....DATE....6.4.94.....AUTHORITY.....*[Stamp]*.....

FOR AND ON BEHALF OF:-

NORTHERN EXECUTIVE AVIATION (MAINTENANCE) LTD  
HANGAR 522  
MANCHESTER AIRPORT  
WILMSLOW  
CHESHIRE SK9 4LL.

[illegible]

EB375

[illegible]

REGISTRATION G-BAGO

FILE REFERENCE A00571

**PROPELLER TYPE**

The following work has been carried out on the above:

Engine removed, strip inspected and investigation, and refitted. Inspection report E00354 refers.

Defective turbocharger Serial No. LIR0101 removed. Replacement turbocharger Part No. 637374-1, Serial No. XDL00062, Batch No. GI102957 fitted.

Oil sump filled with Aeroshell Straight 100 oil.

Air test carried out inw TCM SB89-7 Rev. 1.

Details of work held on file reference CSE/A00571.

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Signed \_\_\_\_\_

J.A.A. Approval Reference CAA00027

Date 29<sup>th</sup> September 1994

**Chief Inspector**

EB375



C.S.E. AVIATION LTD., Oxford Airport, Kidlington, Oxford  
LOG BOOK CERTIFICATE

Engine Type: GTSIO-520-H  
Type Cert: E7CE

Serial No: 235257R

Registration: G-BAGO  
CSE Works Order: E00354

The following work has been carried out on the above Continental engine:

Engine disassembled to investigate cause of low rpm.

Engine reassembled using new seals, gaskets, main and big end bearings.  
Cylinders honed, inlet and exhaust valves re-seated and new piston rings fitted.  
New crankshaft gear and starter adaptor fitted I.A.W. CSB 94-4.  
Gear, prop driver replaced with used serviceable gear.

Engine to be run in aircraft I.A.W. SB M89-7Rev.1 ensuring that pre-oiling of lubrication system is carried out.

NOTE: Engine should be run on straight mineral oil for next 50 hours to promote good oil control.

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR-145 and in respect to that work the aircraft/aircraft component is considered fit for release to service.

EB 375

Signed..... for Chief Inspector  
JAA APPROVAL REFERENCE: CAA 00027

or Licence No:..... Date: 23 SEPT. 1994





HAWARDEN AIR SERVICES LTD  
INTERNATIONAL HOUSE  
THE BEECHES  
FLINT ROAD  
SALTNEY FERRY  
CHESTER CH4 0BW

LOG BOOK CERTIFICATE

AIRCRAFT TYPE...C421B.....REGISTRATION,,G-BAGO.....

TOTAL ENGINE HOURS..789-35

WORK CARRIED OUT:- STD ENGINE,  
ANNUAL INSPECTION CARRIED OUT IN ACCORDANCE WITH MANUFACTURES  
SCHEDULE AT CoFA RENEWAL IN PRIVATE CATEGORY.

- 1\ COMPRESSION CHECKS CARRIED OUT ,1-72,2-70,3-70,4-70,5-68,6-70.
- 2\ OIL FILTER INSPECTED, NIL CONTAMINATION,NEW FILTER FITTED.
- 3\ OIL CHANGE CARRIED OUT, ENGINE REFILLED WITH CASTROL AD 80 OIL.
- 4\ AD 75-23-08 COMPLIED WITH BY REPLACEMENT OF EXPANSION JOINT SEALS, AND INSTALLATION OF REPLACEMENT STACK PT No 5155156-213.
- 5\ NEW BOLTS FITTED IN EXHAUST CLAMPS AS REQUIRED.
- 6\ TURBOCHARGER AND WASTE GATE INSPECTED ,NIL DEFECTS,
- 7\ FIRE EXTINGUISHER REMOVED, SERVICED BY M.E.L. AND REFITTED.
- 8\ NEW PROPELLER DE-ICING BRUSH BLOCK FITTED.
- 9\ MAGNETO TIMING CHECKED.
- 10\ NEW INDUCTION MANIFOLD RUBBERS FITTED ON ALL CYLINDERS.

H.A.S.WORK ORDER 0037 REFERS TO COMPLETE WORK CONTENT AND SPARES UTILISATIONS.

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR-145 and in respect to that work the Aircraft\Aircraft component is considered ready for release to service.CAA 00464.

Signed.....*H.J.*.....Authority.....*H.A.S.*.....Date.15.5.95.

[illegible]

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

75HA INSPECTION CARRIED OUT TO MANUFACTURERS MAINTENANCE SCHEDULE AT  
4084-SS A/F HRS  
COMPRESSION CHECK 1/72, 2/72, 3/72, 4/60, 5/72, 6/70  
1 off SPARK PLUG REPLACED  
OIL & FILTER REPLACED, ENGINE FILLED WITH CASTROL

Certifies that the work specified except as otherwise specified was carried out in accordance with J/R-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Approval No. CAA 00464 Date 6-95  
Signed [Signature] Authority H.A.S.  
Works Order 94/0025

H.A.S.  
2

- (1) Particulars of all maintenance work done on the engine.  
 (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
 (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

**HAWARDEN AIR SERVICES LTD.**

Check..... has been carried out in accordance with  
 M/S Ref. HS/1000/121 CAA Ref. 62/1005/10  
 At HS/1000/121 Hours. Date 27.10.95  
 Works Order 95 00 79  
 Certifies that the work specified except as otherwise specified  
 was carried out in accordance with JAR 145 and in respect to  
 that work the aircraft component is considered ready  
 for release to service.  
 Approval No. CAA 00464 Date 27.10.95  
 Signed [Signature] Authority H.A.S.  
 Works Order 95 00 79

AD 75.23.08RS complied with, new  
 elbow PT NO K5155156-5 fitted.  
 Oil filter replaced, engine oil change  
 carried out, refilled with castrol AD 80  
 AD 84.26.02 complied with by inspection.  
 Compression check carried out. 1-70,  
 2-70, 3-70, 4-70, 5-69, 6-70 - Satisfactory.

4 new spark plugs fitted.  
 fuel pump creaking hose replaced.

Approved Inspection Certificate IAW S.M.A. Ref. E1/121/100/1 AD Compliance with  
 94-01-03 R2, 94-06-01, New Oil and Air Filters Fitted, Full Details as Certificate WS E0216

Certifies that the work specified except as otherwise  
 specified was carried out in accordance with JAR 145  
 and in respect to that work the aircraft / aircraft  
 component is considered ready for release to service.

Approval No. CAA 00476 Date 20.10.95  
 Signed [Signature] Authority H.A.S.  
 Works Order E0216

C.A.A. 00476



Date of Installation.....

30

- (1) Particulars of all maintenance work done on the engine.  
(2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
(3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
(4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

93 Day Inspection Carried Out IAW EL/621/96/1/92

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No. CAA-00476 Date 11-10-97

Signed Authority

Works Order: 2A0622



Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No. CAA-00476 Date 12-1-97

Signed Authority

Works Order: 2A0514



93 Day Inspection Carried Out IAW EL/621/96/1/92

Date of Installation.....

31

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHECK 3 INSPECTION CARRIED OUT TO SERVICING POINT: 124/120/96/1/1800.1 @ 929-0, AD 75-23-08 AS ENGINE EXHAUST SYSTEMS

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

COMPLIES WITH THE TASK, AD 97-01-13 SATISFIED BY

LOG BOOK AVIATION OF HOW AIRCRAFT MAINTENANCE PERSON 3/94 TO 2/97

Approval No. 00476 Date 21-3-97

FAA AD 96-12-07 IMPROVED CONTAINERS, FOLLOWS N/A DUE

Signature

Authority



Works Order

EAO 542

SHOWN ON SERVICE LOGBOOK

Date of Installation.....13-8-86.....

32

- (1) Particulars of all maintenance work done on the engine.  
(2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
(3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
(4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHECK INSPECTION CARRIED OUT TO APPROVE SHROVE RIG EL/421/96/1/1001 @ 958-8 rmc Has

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No. CAA 00564 Date 2-7-97

Signed *ML* Authority *3*

Works Order FAO 632

Date of Installation..... 13-8-88

35

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

CHUCK 2 INSPECTION CARRIED OUT TO APPROVIN SCHNOUX RUE 1- GL/421/96/1 ISSUE 1 @ 1014-1 TOTAL TIME HRS.

Certifies that the work specified except as otherwise specified was carried out in accordance with IAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No: CAA 00564 Date 27-10-88  
Signed [Signature] Authority 3  
Works Order EP0735

Certifies that the work specified except as otherwise specified was carried out in accordance with IAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No: CAA 00564 Date 19-1-88  
Signed [Signature] Authority 7  
Works Order EP0812

Date of Installation..... 13-2-86

36

- (1) Particulars of all maintenance work done on the engine.  
 (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
 (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No. CAE00564 Date 1-5-98  
 Signed [Signature] Authority [Signature]  
 Works Order EA0810



Engine III Carried Out I.A.W. MSK 421/118.

COMPRESSION TEST - BASE 80					
Cyl 1	65	Cyl 3	72	Cyl 5	72
Cyl 2	68	Cyl 4	72	Cyl 6	72

New Magnetics Fitted Loff Mae Ser No B139324FR Part No E2209, Right the Ser J119409FR

Date of Installation.....

37

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

Certifies that the work specified except as otherwise specified was carried out in accordance with the instructions and in conformity with the requirements of the aircraft component and is considered ready for release to service.

Approved: *AK* 00564 Date 12-12-90

Signed: *AK* Authority: *3*

Works Order: EAO941

Check I inspection carried out to APPROVED SIGNATURE Rm 115/CSSNA 421/118 FOUND TO BE SATISFACTORY @ 1061-9 Rm 115

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

93 Day Inspection Carried Out IAW MS/KSSNA421/118

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service

Approval No. CAA 00654 Date 10-12-98  
 Signed *[Signature]* Authority *[Signature]*  
 Works Order *PA30060* 1

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

(7)

39

Check III Inspection Carried Out I.A.W. MS/KSSNAH21/118

Certifies that the work specified except as otherwise specified was carried out in accordance with JAR 145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Approval No: CAA 00654

Date 15-6-99

Signed

Authority

Works Order TAS 0159




AD75-23-082s Completion With, New Exhaust Soaks Fitted, New E.G.T. Probe Fitted RN636255 Batch TAS 0297  
 New Squib Fitted To Fire Bottle P/N 13083-5 Batch No TAS 0335  
 Complete Set of Flex Hoses Fitted Batch No E2213, No 6 Cylinders P/N 646101 Batch TAS 0318  
 Repairs Carried Out By Delta, New Set of Magnetic Indicators Fitted RN633723019A Batch TAS 0344



- (1) Particulars of all maintenance work done on the engine.  
 (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
 (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
 (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

Check 1 Carried out I.A.W. 913/Cersma42/118

CERTIFIES THAT THE WORK SPECIFIED EXCEPT AS OTHERWISE SPECIFIED WAS CARRIED OUT IN ACCORDANCE WITH JAR 145 AND IN RESPECT OF THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE.

Signed:  Approved No. CAA 6053  
 10.11.11

Workpack No. 25408  
 H/A 21/211

1 x Plug changed 1 x IGV lead No 2 shortened.

ATLANTIC AERO ENGINEERING LIMITED  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

Model 421B

A/c S/No 421B-0356  
A/c Hrs 4543.45 Hrs  
A/c Ldg 18 Ldg

The following work has been carried out on W/O: GO/50487 @ 08/05/00

- 1 50 Hour check C/Out IAW Approved M/Sche. AAE/Cessna421b/1 Issue 1.
- 2 R/H Eng. alternate air door & connection hub checked Satisfactory.
- 3 R/H Eng EGT, No indication. System function checked during ground run, found serviceable at this time.
- 4 Eng Oil drained & replenished.
- 5 R/H Eng oil filter replaced. P.N. CH48103, B.N. AE011017.

The above work has been carried out in accordance with approved maintenance schedule  
ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: 

Auth: 

Date: 8-5-00

Reg G-BAGO

Model 421B

A/c S/No 421B-0356  
A/c Hrs 4543.10 Hrs  
A/c Ldg 17 Ldg

The following work has been carried out on W/O: GO/50439 @ 08/05/00

- 1 Compliance of LT00. TCM GTS10-520 Starter Adaptor & Crankshaft gear inspect C/Out.No.1. Eng. Play measured at .040.(.060). No.2. Eng. Play measured at 0.043 (.060).

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: *M. A. A. A.*

Auth: TR2

Date: 8-5-00.

• Run Since  
t of Life  
nited Parts

Cycles

41

- (1) Particulars of all maintenance work done on the engine.  
(2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.  
(3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.  
(4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

LT00, TCM GTS10-520 Series Engs. Complied with ref w/0.M50439  
dated 8/5/00. Re starter adapter & crankshaft gear inspection.

ATLANTIC AERO ENGINEERING LIMITED  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

A/c S/No 421B-0356

Model 421B

A/c Hrs 4578.55 Hrs

A/c Ldg 39 Ldg

The following work has been carried out on W/O: GO/51460 @ 16/07/01

- 1 SB MEB01-4 / CSB01-1 STBD Eng Fuel pump inspection N/A by Eng Manufacture Date 1985. IAW Eng Log Bk. S/N 235257B.

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: Julie Peadar

Auth: TR

Date: 16.7.01

Name: Julie Peadar

Auth: TR

Date: 29.3.01

'0 Starter Adaptor Inspected Satis. I.A.W. MEB 94-7 & CSB 94-4

'1 No.2 Vac Pump replaced Rem P/No 441CC-7 S/No N/K Fit P/No SP20"A S/No PE31273  
Batch No AE024691

'2 STBD Eng Oil filter replaced P.N. CH48103 R.N. AE005820

Reg G-BAGO

Model 421B

A/c S/No 421B-0356  
A/c Hrs 4578.55 Hrs  
A/c Ldg 39 Ldg

The following work has been carried out on W/O: GO/51329 @ 24/05/01

- 1 Alternator replaced Rem.P/No ALV9510R S/No 8080688 Fit P/No ALV9510R S/No A124849  
Batch No AE028505 TSO 386.30
- 2 STBD Crossfeed fuel drain replaced P.N. 50BSM9. B.N. AE028649.

The above work has been carried out in accordance with approved maintenance schedule  
ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: Julio Rodale

Auth:

TR5

Date: 24-5-01

Name: Julio Rodale

Auth:

TR5

Date: 29.3.01

- 10 Starter Adaptor Inspected Satis. I.A.W. MEB 94-7 & CSB 94-4
- 11 No.2 Vac Pump replaced Rem P/No 441CC-7 S/No N/K Fit P/No SP20"A S/No PH31273  
Batch No AE024691
- 12 STBD Eng Oil filter replaced P.N. CH48103 B.N. AE005820

ATLANTIC  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

Model 421B

A/c S/No 421B-0356  
A/c Hrs 4578.25 Hrs  
A/c Ldg 37 Ldg

The following work has been carried out on W/O: GO/51198 @ 29/03/01

- 1 50 Hour Check carried out IAW CAA/LAMS/A/1999. I.A.W. LF/ENG/037
- 2 Inspect Exhausts for cracks I.A.W. FAA AD2000-01-16
- 3 Compression checks C/Out on STBD Eng.
- 4 STBD Eng. oil filter replaced P.N. CH48103. B.N. AE009874.
- 5 STBD Eng oil drained & replenished using 20W50 B.N. AE020771.

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: Julie Reddick

Auth:

TR-5

Date: 29.3.01

- 10 Starter Adaptor Inspected Satis. I.A.W. MEB 94-7 & CSB 94-4
- 11 No.2 Vac Pump replaced Rem P/No 441CC-7 S/No N/K Fit P/No SP207A S/No PE31273  
Batch No AE024691
- 12 STBD Eng Oil filter replaced P.N. CH48103 B.N. AE005820

Reg G-BAGO

Model 421B

A/c S/No 421B-0356  
A/c Hrs 4555.50 Hrs  
A/c Ldg 25 Ldg

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The following work has been carried out on W/O: GO/50590 @ 06/10/00

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- 1 100 Hour Check Carried out I.A.W. LF/ENG/038
  - 2 200 Hour Check Carried Out I.A.W. LF/ENG/039
  - 3 50 Hour Check carried out IAW CAA/LAMS/A/1999 Iss 1 I.A.W. LF/ENG/037
  - 4 No.2.Engine Inspection for extension Carried out. I.A.W. SF/ENG/047,065 AWN35
  - 5 No. 2.Magneto to Engine Timing Checked I.A.W. SB 94-8 / SB 65-8
  - 6 Alternator due O/Haul removed & replaced Rem P/No ALV9510R S/No N/K Fit P/No ALV9510R S/No A105734 Batch No AE022217 TSO 384.35
  - 7 No.2 Ind Air Filters 100 Hour Inspection Carried Out I.A.W. FAA AD 84-26-02
  - 8 Inspect Exhausts for cracks I.A.W. FAA AD2000-01-16
  - 9 No.2.Oil Filter Adaptor Assy Inspection. I.A.W. AD96-12-22,MEB93-1R2
  - 10 Starter Adaptor Inspected Satis. I.A.W. MEB 94-7 & CSB 94-4
  - 11 No.2 Vac Pump replaced Rem P/No 441CC-7 S/No N/K Fit P/No SP20"A S/No PE31273 Batch No AE024691
  - 12 STBD Eng Oil filter replaced P.N. CH4R103 R.N. AE005820
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- \*3 STBD Eng Oil drained & replenished.
- \*4 STBD Eng Spark Plugs fitted P.N. RHB32E, B.N. AE023429.
- \*5 Port & STBD engine harness repaired wires & installed protection on several harness.
- \*6 Port & Stbd U/C linkage @ Ctr elbows grease nipples replaced P.N. 3019, BN. AE00323Y.
- \*7 STBD Eng Prop de-ice brushes worn. Brushes replaced P.N. RAB40189, B.N. AE023119. Prop de-ice functional checks C/out & found satisfactory.
- \*8 No.2. Alternator failed alternator replaced. Rem P/No ALV9510R S/No A105734 Fit P/No ALV9510 S/No 8080688 Batch No AE024389 TSO 288.10
- \*9 STBD EGT wiring repair C/Out System checked & found satisfactory

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CA1/00216

Name: Tim R. B. B.

Auth: TR-5

Date: 6-10-00

Site of Installation: \_\_\_\_\_

(7)

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

ATLANTIC AERO ENGINEERING LIMITED  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

Model 421B

A/c S/No 421B-0356

A/c Hrs 4624.45 Hrs

A/c Ldg 69 Ldg

The following work has been carried out on W/O: GO/51804 @ 20/11/01

- 1 Oil leak from RH Eng. Traced to No.2. Vac Pump. Pump replaced Rem P/No 3P207JA S/No PEAEJ25558A Fit P/No 3P207JA S/No PE10164 Batch No AE031318 TSO 0.00

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: Julie Peadar

Auth:

TR5

Date: 20-11-01

- 8 R/H Tacho Generator replaced Rem P/No 0850350 S/No 1050 Fit P/No MS25038-2 S/No 270496 Batch No AE027712 TSN 0.00
- 9 Compression checks C/out on No.2. Eng. 1,71. 2,68. 3,72. 4,70. 5,64. 6,68.
- 10 No.1. & No.2. Fuel injectors removed cleaned New O rings & washers fitted. Refitted to A/Craft.

ATLANTIC AERO ENGINEERING LIMITED  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

Model 421B

A/c S/No 421B-0356

A/c Hrs 4624.45 Hrs

A/c Ldg 69 Ldg

The following work has been carried out on W/O: GO/51662 @ 26/10/01

- 1 100 Hour Check Carried out I.A.W. LF/ENG/038
- 2 50 Hour Check c/o IAW CAA/LAMS/A/1999. I.A.W. LF/ENG/037
- 3 Engine Inspection for extension Carried out. I.A.W. SF/ENG/047,065 AWN35
- 4 Stbd Engine, Magneto to Engine Timing checked IAW SB 65-8, timed to 20 BTC,
- 5 No.2. Alternator drive gear hub Elastomer inspection c/o IAW SB MEB 01-3.
- 6 No.2 Ind Air Filters 100 Hour Inspection Carried Out I.A.W. FAA AD 84-26-02
- 7 No.2. Oil Filter Adaptor Assy Inspection I.A.W. AD96-12-22, MEB93-1R2
- 8 R/H Tacho Generator replaced Rem P/No 0850350 S/No 1050 Fit P/No MS25038-2 S/No 270496 Batch No AE027712 TSN 0.00
- 9 Compression checks C/out on No.2. Eng. 1,71. 2,68. 3,72. 4,70. 5,64. 6,68.
- 10 No.1. & No.2. Fuel injectors removed cleaned New O rings & washers fitted. Refitted to A/Craft.

- 11 No.2. Eng. Alt air door ret. spring renewed P.N. 5155103-39 B.N.AE031077.
- 12 No.1. & No.2. Eng. oil & filters replaced Oil P.N. 20W-50 B.N.AE0 30836. Filters P.N. CH48103 B.N. AE008493.
- 13 No.1. & No.2. Eng compression seals renewed IAW MM. P.N. 633958-5 B.N. AE03559. P.N.640612 B.N. AE023537.
- 14 No.1. Eng Spark Plugs replaced ,worn beyon limits. P.N.RHB32E (x5) B.N. AE031086 No.2. Eng RHB32E (x4) B.N. AE030549 Fitted & tested IAW MM
- 15 Re-routed alternate air control cable at engine end.
- 16 No.2. Eng & prop controls checked IAW MM found satisfactory at this time.
- 17 No.1. & No.2. Engines lubricated IAW MM.
- 18 No.2 Vac Pump replaced      Fit P/No 3P207JA S/No PEA EJ25558A Batch No AE029143 TSO 0.00

The above work has been carried out in accordance with approved maintenance schedule ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: John P. Riddle

Auth:

TR/3

Date: 26.10.01

ATLANTIC AERO ENGINEERING LIMITED  
ENGINE LOG BOOK CERTIFICATE

Reg G-BAGO

Model 421B

A/c S/No 421B-0356

A/c Hrs 4644.10 Hrs

A/c Ldg 94 Ldg

The following work has been carried out on W/O: GO/52014 @ 21/03/02

1 R/H Eng oil leak Engine cleaned, no sign of oil leak.

The above work has been carried out in accordance with approved maintenance schedule  
ref:CESSNA/421B/1 ISS 1 & manufacturers recommendations. JAR 145 Approval Ref: CAA/00216

Name: Julie Peadar

Auth:

TR5

Date: 21.3.02

Engine 1000 C/NK time to engine.

Alternator Lifesc. Alternator Remover. Serviceable o/H  
Alternator Fitted. Pt N° ALV9510R Ser N° B080395.  
IAW M/Manual. All Connections Remade. System Functionally  
Tested & Assessed as Satisfactory.



9-5-02

Date of Installation.....

(7)

44

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

50 Hr Check Carried Out To My Satisfaction at 1294-40  
Engine Hrs 1AW HS/205/Cosma 4213/003/P

Oil Drained & Replenished with 18qts AD80

Oil Filter Split, Inspected & Renewed. PRN<sup>o</sup> CH48103 B/N<sup>o</sup> TA8058.  
Magneto Check Tuned To Engine.

Alternator Lifesc. Alternator Remover. Serviceable o/H  
Alternator Fitted. Pt N<sup>o</sup> ALV9510R Ser N<sup>o</sup> B080395.

1AW M/Manual. All Connections Remade. System Functionally  
Tested & Assessed as Satisfactory.



TATENHILL AVIATION LIMITED  
TATENHILL AIRFIELD, NEEDWOOD, BURTON ON TRENT  
STAFFORDSHIRE DE13 9PD  
TEL: (01283) 575283 FAX: (01283) 575650  
<http://www.tatenhill.com>

## LOG BOOK CERTIFICATE

This Form constitutes an official Log Book Certificate and as such must be affixed to the appropriate Log Book

FILE REFERENCE:

200/02

Engine TYPE: GT510520H	Ser. No: 235357-R	Aircraft Reg.: G-BAGO	Std
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### SUMMARY OF WORK CARRIED OUT:

50Hr, 100Hr, 200Hr inspection carried out to maint. Schedule MS/205/Cessna421B/052/P

Following AD'S complied with :- FAA AD 86-26-02 air filter replaced, FAA AD2000-01-16 exhaust insp. AD96-12-22, MEB93-1R2 oil filter adaptor.. SB94-8/ SB65-8 Magneto timing carried out. AWN 35complied with [eng on ext checks]

. L.H. and RH magnetos O/Hauled. Compressions checked and recorded below.

Filter in engine breather cleaned. Repairs carried out to engine baffles. Spark plugs cleaned and tested. Crack in vac. Oil/water trap repaired. Lh and RH ignition harness replaced. turbo pressure controller O/hauled

Cylinder position	1	2	3	4	5	6
Compression in lbs sq inch	63	61	63	69	56	64

### CERTIFICATE OF RELEASE TO SERVICE (BCAR M3)

Certifies that 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.

NAME:

C.GRIFFITHS

SIGNATURE:

*C. Griffiths*

AUTHORITY:

LAE 10,814



DATE 06 December 2002

VAT Reg. No. 507 6450 51 / End Use No. 0905/139/06

PAGE 1 OF 1

Date of Installation.....

- (1) Particulars of all maintenance work done on the engine.
- (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
- (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
- (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

45

50h, 100h, 200h INSPECTION CARRIED OUT TO  
MS/205/CSSNA 421B/052/P @ 1373.25 h.

TATENHILL AVIATION LTD  
C. GRIFFITHS  
AME10814  
DATE 6/12/02



Date of Installation.....

47

(6) Cycles • Run Since  
ement of Life  
e Limited Parts

DATE

Cycles

- (7)
- (1) Particulars of all maintenance work done on the engine.
  - (2) Particulars of all overhauls, repairs, replacements, modifications and mandatory inspections relating to the engine or any of its accessories.
  - (3) Particulars of any defects occurring in the engine, and of the rectification of such defects, including a reference to the relevant entries in the technical log.
  - (4) Certificate that in carrying out the overhaul, repairs, etc. all mandatory requirements applicable thereto have been complied with.

50 HR INSPECTION CARRIED OUT TO MS/205/CASSUA 6212/052/P.  
OIL FILTER REMOVED INSPECTED NEW FILTER REFITTED  
OIL CHANGE CARRIED OUT FILE III/03 REFER 704605.05MS



The United States of America  
Department of Transportation  
**Federal Aviation Administration**  
Washington, D.C.

No. E238126

## Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (a)<sup>1</sup> of the Federal Aviation Administration, Numbered ETCE has been examined and as of the date of this certificate is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product:

Aircraft Engine

Manufacturer:

Telodyne Continental Motors  
Mobile, Alabama U.S.A.  
GT510520H

Model:

235257-R

Serial No.:

See Note Below

New ☒ Nearly Overhauled ☐

Used Aircraft ☐

United Kingdom

Country to which exported:

None

Exemptions:

- Note: 1. This engine has been completely disassembled, inspected, repaired as necessary, reassembled, tested and approved in the same manner and to the same tolerances and limits as a new engine with genuine new and/or rebuilt parts. (Ref. FAR 91.175)
2. This engine was treated February 22, 1985 for one hundred eighty day corrosion protection.

  
K. J. Witteveen

Designated Manufacturing  
Inspection Representative  
Signature of Authorized Representative

2/25/85  
Date

DMTR 8ACE-1102

Direct Office or Designator Number

<sup>1</sup> For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.