Book 1

G-DCOX

S/No 31-7812081

Piper PA31/310

Civil Aviation Authority

1986 — Jan 1988

LOG 3

CAP 408

Aircraft Log Book

MTWA exceeding 2730kg

Civil Aviation Authority London

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

No. E230516

Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (s)[1] of the Federal Aviation Administration, Numbered A20SO, E14EA and P33EA 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: AIRPLANE

Manufacturer: PIPER AIRCRAFT CORP.

Model: PA 31

Serial No.: 31-7S12081

New ☐ Newly Overhauled ☐

Used Aircraft ☒

Country to which exported: UNITED KINGDOM

Exceptions: NONE

ENGINES INSTALLED

Avco Lycoming TIO-540-A2C
L.H. S/N 5211-61A
T.S.O. 1823 hours

R.H. S/N 5203-61A
T.S.O. 1823 hours

PROPELLERS INSTALLED

Hartzell HC-E3YR-2ATF
L.H. S/N DJ4742
T.S.O. 647 hours

R.H. S/N DJ4432
T.S.O. 647 hours

AIRCRAFT TOTAL TIME 3655 hours

JOHN M. ALLEN
Signature of Authorized Representative

26th June 1986
Date

DAR-1-FS-EU
District Office or Designee Number

[1] 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.

FAA Form 8130-4 (7-68) Formerly Form FAA 26 U.S. GOVERNMENT PRINTING OFFICE : 1980 O - 330-110

AIRCRAFT (HEAVIER-THAN-AIR)

AIRCRAFT

Nationality and Registration Marks: G-DIDI

Type of Aircraft: PIPER PA 31/310

Constructor: PIPER AIRCRAFT CORPORATION

Constructor's No: 31-7812085 Date of Construction: 5th May 1978

OPERATOR

Name: AIRSTAR (AIR TRANSPORT) LIMITED

Address: HANGAR 55, LUTON AIRPORT, LUTON LU2 9LU.

Name:

Address:

Name:

Address:

Name:

Address:

Name:

Address:

Name:

Address:

(1) Particulars of all maintenance wo
(2) Particulars of all overhauls, repair
(3) Particulars of any defects occurri
to the relevant entries in th
(4) Certificate that in carrying out th

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DATE 10 July '86

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g. G-DIDI

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of Airworthiness

CENGER) CATEGORY

O 15TH JULY 1987.

yor

Authority J. TEARNE

s Division

GENERAL AVIATION [AVIONICS] LTD.

AVIATION WAY, MUNICIPAL AIRPORT, SOUTHEND-ON-SEA, ESSEX

Telephone: Southend 549052 0279-871583

— LOG BOOK ENTRY —

Sheet 1 of 3.

A/C TYPE: Piper PA-31 S/No. 7812081 A/C REG: G-DIDI JOB No. 1482

The following work carried out on the radio station in the above mentioned aircraft to bring on to British Register.

The following equipment found fitted:-

King	NAV/COM	KX-175B	S/No.	26069
"	" "	KX-175B	"	7358
"	Audio Box/Mkr.	KMA-20	"	29883
"	ADF Rec.	KR-85	"	24277
"	ADF Ind.	KI-225	"	23856
"	VOR/ILS Ind.	KNI-520	"	9771
"	G/S Rec.	KN-75	"	3066
"	VOR/LOC Conv.	KN-77	"	10437
"	R. Nav.	KN-74	"	6216
"	DME	KN-65A	"	17772
"	DME Ind.	KI-266	"	8884
"	Radar Alt.	KRA-10	"	1134 Class III
"	Radar Alt. Ind.	KI-250	"	1300
"	Transponder	KT-76A	"	6050
Bendix	Radar Ind.	IN-152A	"	5269
"	Radar TR/Aerial	TRA-161A	"	3710

SIGNED [signature] LIC. No. 13161 DATE 9-7-86

NOTE: THIS FORM CONSTITUTES AN OFFICIAL LOG BOOK CERTIFICATE AND AS SUCH MUST BE AFFIXED IN THE APPROPRIATE LOG BOOK.

10. COMPASS CHECK SWING CARRIED OUT.

AD 79-12-03, TURBO TAIL CLAMPS, FOUND SATIS ON INSPECTION

AD 82-27-13 FLAP SYSTEM INSPECTION - 100 AND 500 HOUR INSPECTIONS CARRIED OUT, SYSTEM SATIS.

CAA EMERGENCY AD: CAA 9/98/LTO/110 COMPLIED WITH, NO DEFECTS LOCATED

GENERAL AVIATION [AVIONICS] LTD.

AVIATION WAY, MUNICIPAL AIRPORT, SOUTHEND-ON-SEA, ESSEX
Telephone: Southend 543052 0279-871583

— LOG BOOK ENTRY —

Sheet 2 of 3.

A/C TYPE: PA-31 Piper S/No. 7812081 A/C REG: G-DIDI JOB No. 1482

Alt. Encoder PN-5035P-P19 S/No. 4713

The following equipment removed for mechanical inspection:-

King	Nav/Com	KX-175B	S/No. 26069	B/No.	86/7/1150
"	Audio Box/Mkr.	KMA-20	" 29883	"	86/7/1151
"	ADF Rec.	KR-85	" 24277	"	86/7/1152
"	Transponder	KT-76A	" 6050	"	86/7/1153

The following equipment removed, mechanically inspected and repaired:-

King	DME Int.	KN-65A	S/No. 17772	B/No.	86/7/1154

The following equipment removed, bench checked to comply with CAA AD No. 1327 PRE 80:-

King	Nav/Com	KX-175B	S/No. 7358	B/No.	86/7/1148
"	VOR/LOC Conv.	KN-77	" 10437	"	86/7/1149

Above equipment refitted, ground checked and found satisfactory.

The following aerials found fitted:-

VHF-1 type CI-145 position 204" aft, 3" starboard of C/L.
VHF-2 " CI-145 " 155" aft, 4" starboard of C/L Belly.
DME " KA-15 " 107" aft, 1½" port of C/L Belly.
Transponder AV-22 " 35" aft, 1" starboard of C/L Belly.

SIGNED [signature] LIC. No. 1316 DATE 9-7-86

NOTE: THIS FORM CONSTITUTES AN OFFICIAL LOG BOOK CERTIFICATE AND AS SUCH MUST BE AFFIXED IN THE APPROPRIATE LOG BOOK.

10. COMPASS CHECK SWING CARRIED OUT.

AD 79-12-03, TURBO TAIL CLAMPS; FOUND SATIS ON INSPECTION

AD 82-27-13 FLAP SYSTEM INSPECTION - 100 AND 500 HOUR INSPECTIONS CARRIED OUT, SYSTEM SATIS.

CAA EMERGENCY AD: CAA 9/98/LTO/110 COMPLIED WITH, NO FURTHER ENTRIES

GENERAL AVIATION [AVIONICS] LTD.

AVIATION WAY, MUNICIPAL AIRPORT, SOUTHEND-ON-SEA, ESSEX
Telephone: Southend 549052 0279-871583

— LOG BOOK ENTRY —

A/C TYPE: Piper PA-31 S/No. 7812081 A/C REG: G-DIDI JOB No. 1482

Loop/Sense	type	KA-42B	S/No. 32615	position 207" aft, 3" port of C/L. Belly.
Rad. Alt.	"	KA-131	" 1274	" 288" aft, 3½" port of C/L Belly.
Marker	"	CI-102	position 158" aft, 4¾" port of C/L Belly.	
VOR	"	VRP-37	" port & starboard of rear fin.	

PTT button fitted to ~~port~~ starboard side lower instrument panel to drawing no. GAA/86/7/021.
Bonding check carried out. Figures recorded.

Annual check 600 hours carried out to approved schedule ACE PA-31-1.

Notice 76 complied with.

Notice 91 complied with. Loop swing carried out.

Paperwork filed under file L.B.E. No. 1482.
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] LIC. No. 13161 DATE 9-7-86

NOTE: THIS FORM CONSTITUTES AN OFFICIAL LOG BOOK CERTIFICATE AND AS SUCH MUST BE AFFIXED IN THE APPROPRIATE LOG BOOK.

AD 79-12-03, TURBO TAIL CLAMPS; FOUND SATIS ON INSPECTION

AD 82-27-13 FLAP SYSTEM INSPECTION - 100 AND 500 HOUR INSPECTIONS CARRIED OUT, SYSTEM SATIS.

C 9 98

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

AIRCRAFT PREVIOUSLY REGISTERED IN U.S.A. AS N 27 MT.

1. UK SPECIAL CONDITIONS PER AAN 15/61 ADDENDUM NO 1 ISSUE 2 COMPLIED WITH.

2. AIRCRAFT PAINT SCHEMES, AND RESPRAYED.

3. OXYGEN BOTTLE REMOVED AT OWNERS REQUEST, PIPES BLANKED OFF

4. AIRCRAFT WEIGHED BY TECHNICAL SERVICES AND REPORT REF TS-101-10 ISSUED.

5. FLOW BUS MONITOR PIN BU 4028 SER NO 273C BATCH NO 82250 AND C/S PIN 842-2015 (01 FITTED).

6. CAPACITY CHECK ON BATTERY CARRIED OUT BY TAYLERAFT BATCH NO 95286, BATTERY SATIS.

7. ASIs CALIBRATED BATCH NO 93586.

8. ALTIMETER SN J5640 MODIFIED TO MB SCALE BATCH NO 93586.

9. ENCODING ALTIMETER SN 77297F MODIFIED TO MB SCALE.

10. ALL AIRFRAME FLEXIBLE HOSES PRESSURE TESTED (14.7.86) BATCH NO 96586.

11. ALL ENGINE OIL AND FUEL HOSES PRESSURE TESTED (14.7.86) BATCH NO 96586.

12. COMPASS CHECK SWING CARRIED OUT.

AD 79-12-03, TURBO TAIL CLAMPS; FOUND SATIS ON INSPECTION

AD 82-27-13 FLAP SYSTEM INSPECTION - 100 AND 500 HOUR INSPECTIONS CARRIED OUT, SYSTEM SATIS.

C 9 98

INFLITE Aviation Maintenance + Suppor
Stansted Airport, Essex CM24 8QW Telephone: Bishop's Stortford (0279) 815159 Telex: 817712 Kndair G-
Hangar 55, Luton Airport. Luton, Beds LU2 9LU Telephone: Luton (0582) 22055 & 30742 Telex: 82285 NITEXP G

REGISTRATION G-DIDI **AIRCRAFT TYPE** PA-31 Navajo **SHEET** 1 **OF** 1

The following work has been carried out on:— the above aircraft.

1. Check ONE Inspection carried out to Maintenance Schedule: MS/PIPER PA31/77.
2. FAA AD 82-07-03. Janitrol heater 100 Hr inspection carried out iaw para (e) at 518.0 meter hours.
3. FAA AD 82-27-13 R2. Wing flap transmission inspected iaw para (A.3). Port 3/32". Stbd. 1/8".
4. FAA AD 80-20-04. Engine baffle seals 50 Hr inspection carried out. Found satisfactory. Port and Starboard.
5. FAA AD 82-16-05 R1. Port and Starboard turbo-exhaust couplings inspected iaw para (a) and Piper Service Bulletin No. 644D. Found serviceable and refitted.
6. Piper Service Letter No. 755C. Inspection and lubrication of landing gear lock actuator rod and rod end bearing assemblies carried out.
7. Piper Service Letter No. 878A. Oil breather tube alignment checked satisfactory. Port and Starboard.

Additional work carried out:-

1. No.2 Directional Gyro Serial No. 69139D removed for repair. Loan D.G. Serial No.4647 Batch No. 1308 fitted.
2. Battery next due Cap. check 24 SEP 86.
3. Undercarriage oleos re-charged iaw Maintenance Manual.
4. Stbd. tailplane de-ice boot re-secured.

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 ..... L.A.E./Auth. 17389 A/C Date 19 AUG 86 File 6220-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

	Signature	Date	Authority
Airframe		15.7.86	17924 ACx
Engine/Propeller			
Radio			

FOR RELEASE TO SERVICE

DATE 15 Aug 1986 AUTHORITY 17924 ACx

SIGNATURE

done on the aft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

CAA AIRWORTHINESS NOTICES DUE: 41, COMBUSTION HEATERS DUE MARCH 1987

75 PROPELLER OVERHAUL/INSPECTION DUE JUNE 1988. (PORT AND STBD).

CAA NOTICES COMPLIED WITH: 15, 18, 33, 35 48 53, 55 59 73 AND 82.

WELD REPAIR CARRIED OUT TO TOP TURBO TAIL PIPE, STBD ENGINE.

NEW TURBOCHARGER P/N LW12689 BATCH No 96186 S/N NIR018 FITTED TO STBD ENGINE.

DURING GROUND RUN LYCOMING SL 1187 COMPLIED WITH.

100HOUR + CALENDAR ITEMS.
~~200HR / ANNUAL~~ Check has been completed to my satisfaction at 3655.55 total airframe hours Maintenance Schedule Ref. MS/PIPER PA31/77

	Signature	Date	Authority
Airframe		15.7.86	17924 ACX
Engine/Propeller			
Radio			

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."

DATE 15 July 1986 AUTHORITY 17924 ACX

SIGNATURE

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

STARBOARD VAC. PUMP SERIAL N: 9M 1H75 REMOVED UNSERVICEABLE. NEW VAC. PUMP PART N: HH1 CC 7 SERIAL N: 05AB000590 FITTED. BATCH N: LH530. NIL HOURS RUN. NEW VALVE FILTER BATCH N: LH10H FITTED. GROUND RUN CARRIED OUT SATISFACTORY. INFLITE LUTON W/S FILE REFERENCE : 6225-101 DATED OH SEP 86 REFERS.

Particulars of all maintenance work
Particulars of all overhauls, repairs,
Particulars of any defects occurring
to the relevant entries in the
Certificate that in carrying out the

AIRSTAR

INFLITE **Aviation Maintenance + Support**

Stansted Airport, Essex CM24 8QW Telephone: Bishop's Stortford (0279) 815159 Telex: 817712 Kndair G
Hangar 55, Luton Airport. Luton, Beds LU2 9LU Telephone: Luton (0582) 22055 & 30742 Telex: 82285 NITEXP G

REGISTRATION G-DIDI **AIRCRAFT TYPE** Piper PA-31 Navajo **SHEET** 1 **OF** 3

The following work has been carried out on:— the above aircraft at Luton

At 3808:07 Total Aircraft Hours:

Check TWO Inspection carried out to Maintenance Schedule Reference:MS/PIPER PA31/77.

Additional Inspections:-

1. CAA AN41. Janitrol heater Type B39D59 Serial No. 1781782 removed for AN41 Inspection due calendar period. AN41 carried out by Rogers Avn. Heater refitted and function tested satisfactory. Batch No. L4829.
   Meter Hours (Heater) 568.3.
2. FAA AD 80-20-04. Engine baffle seals inspected Port and Starboard engines. Found satisfactory. 50 Hour repetitive inspection required.
3. FAA AD 82-16-05(R1). Turbo-exhaust couplings inspected iaw Para (a) and Piper Service Bulletin No. 644D Part I - Port and Starboard. Found satisfactory. 100 Hour repetitive inspection required until modified type fitted.
4. FAA AD 82-27-13(R2). Wing flap transmission inspection iaw Para (a.3), Port movement 1/8". Stbd movement 3/16", 100 Hour repetitive inspection required.
5. FAA AD 86-17-07. Hydraulic hose inspection carried out iaw Piper Service Bulletin No. 822. Found satisfactory - n/a to type fitted.
6. Piper Service Bulletin No. 836A. Inspection of aluminium wiring carried out. Found satisfactory. Aluminium wiring not replaced. Annual inspection is recommended by CAA LTO Ref: 9/97/LTO/749.
7. Piper Service Bulletin No. 845. Initial inspection of main landing gear forward side brace carried out. Side brace cleaned, paint stripped and crack checked. Found satisfactory. 100 Hour repetitive inspection required.

Cont...

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 ..... L.A.E./Auth. 17202 Date 30 SEP 86 File 6235-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

The following work has been carried out on:— the above aircraft at Luton (Cont...)

8. Piper Service Letter No. 755C. Inspection and lubrication of landing gear lock actuator rod/and rod end bearing carried out. Found satisfactory.
9. Piper Service Letter No. 878A. Oil breather tube alignment checked at engine cowling re-installations Port and Starboard.

Additional M/S Reference items:-

1. M/S Ref: H8:12 Mths. Cabin Fire Extinguisher inspection/check weigh carried out. Found satisfactory.
2. M/S Ref: M9/M11:900 Hrs. Fuel cells inspected empty and fuel cell supports inspected. Found satisfactory. Damageddrain valve renewed. Batch No. L4258 fitted.
3. M/S Ref:M10:900 Hrs. Fuel gauging system inspected and check calibration carried out. Found satisfactory.
4. M/S Ref:L4:3 Mths. Battery removed for Cap. Test. Failed test due to several dead cells. New battery Pt.No. G246-1270 Serial No. G0834528 fitted. Batch No. L4753. Next due 25 DEC 86.
5. M/S Ref:N6:48 Mths/3000Hrs. No.1 Artificial Horizon Pt.No.504-0016-902 Serial No. 1248 removed for gyro platform calibration. Horizon repaired and tested by Rogers Avn. A.H. refitted in No.1 position. Batch No. L4817.
6. M/S Ref N6:48 Mths/3000 Hrs. No.1 and No.2 Turn and Bank Indicators Pt.No.52D 75-10 Serial No. 8707C and Pt.No. 1394T100 - (1) Serial No.1978 removed for gyro platform calibration. Calibration carried out by Rogers Avn. No.1 and No.2 Turn and Bank Indicators refitted. Batch No. L4817.

Cont....

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 ..... L.A.E./Auth. ..... Date 30 SEP 86 File 6235-IDI-86

N.B. This ... utes a Log Book entry and must be affixed in appropriate Log Book.

TION G-DIDI **AIRCRAFT TYPE** Piper PA-31 Navajo

The following work has been carried out on:— the above aircraft at Luton (cont...)

Additional work carried out:-

1. Emergency Exit placard refitted.
2. Rivets removed where found pulled on underside of Starboard flap inboard. New rivets fitted.
3. Starboard main landing gear front and rear drag (side) brace pivot bolts found loose and not split pinned. Nuts removed, pivots, nuts and bushes inspected satisfactory and refitted. Split pins fitted.
4. Port and Starboard main landing gear leg strut housings : No protective tape found between steel pipe (hose) retaining clamps and strut housings. Both leg clips removed to facilitate corrosion treatment. Corrosion removed, legs re-protected and clips refitted. Inspect every 75 hours.
5. Pitch servo bridle cable and roll servo bridle cable re-tensioned and travel checked satisfactory. Duplicate inspections carried out iaw BCAR Chap A5-3 and held on file.
6. Starboard Brake pad found not seated in rivet retainers. Caliper removed, disc inspected, pads and backplates checked all satisfactory, and refitted.
7. Fluid leak evident from nose u/c. Actuator removed and new seals Batch No. L4821 fitted. Actuator refitted and system bled. Function check carried out satisfactory.
8. New prop. de-ice switch fitted. Batch No. L4818.
9. Rudder static wick renewed. Batch No. L3060 fitted.
10. Heater igniter plug renewed. Batch No. L3888 fitted.
11. Port induction air filter renewed. Batch No. B1667 fitted. FOAM type. FAA AD 84-26-02 n/a to type.

CERTIFICATE OF RELEASE TO SERVICE

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Signed ..... L.A.E./Auth. ..... Date 30 SEP 86 File 6235-IDI-86

N.B. This Certificate a Log Book entry and must be affixed in appropriate Log Book.

k has been carried out on:— the above aircraft at Luton.
PORT ENGINE CHANGE.

At 3808:07 total aircraft hours.

1. Port engine Serial No. L-5211-61A removed unserviceable.
   Engine failed CAA AN35 differential compression check.
   Engine Hrs Run 1996:37 (TSO).
2. Overhauled Avco Lycoming engine Type TIO-540-A2C Serial No. L-6018-61A installed in PORT position iaw Service Manual using new shock mounts, Batch Nos. L4424/L4518, bolts Batch No. L4824 and nuts Batch No. L4824.
   Engine Batch No. L4823.
   NIL HOURS RUN (TSO).
3. The following overhauled components are fitted:

Turbocharger	LW 12698	Ser.No. IJR 0132
Density Controller	LW 12067	HIO 119
Wastegate	LW 12778X	DIO 182
Differential Pressure Controller	LW 10644	BKO 176
Fuel injector	2524163-13	69257
E.D. Fuel Pump	RG 9080J4A	C 8296
L.H. Magneto	10-349290-1	A 930421
R.H. Magneto	10-349310-1	A 100178
Alternator	ALU 8421R	9N 000021
Starter	MHB 4018	6L 000114

CERTIFICATE OF RELEASE TO SERVICE

Cont....

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 ..... L.A.E./Auth. ...17202..... Date ..30 SEP 86..... File..6275-IDI-86.....

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

The following work has been carried out on:— the above aircraft at Luton.
PORT ENGINE CHANGE. (Cont...)

4. The following part-life components ex Port position G-DIDI fitted at engine installation using new gaskets Batch No's L4471/L3747. CSU flushed prior to fitting.

Constant Speed Unit	F-6-24	Serial Number B9004T (Hours run TSO 1996:37)
Vac Pump	441 CC7	6M 1089 (Hours run TSO 1049:07)
Hydraulic Pump	1213 HBG-310	OL7-0805 (Hours run TSO 1996:37)

5. Oil cooler serial No. 78C-2143, ex Port position G-DIDI, flushed, inspected satisfactory and fitted.
6. Hartzell propeller type HC-E3YR-2ATF (FC 8468-6R) Serial No. DJ 1353., ex Port position G-DIDI., fitted using new seal Batch No. L4586. Bolts wirelocked and propeller de-ice cables fitted.
   Propeller hours 14:15 (TSO).
7. Starter ring gear Serial No. EP0238 removed due to no prop de-ice facility fitted.
   Starter ring gear Serial No. SE14-21 fitted ex engine Serial No. L-5211-61A.
8. Duplicate inspection of disturbed engine controls carried out:

Initial inspection: ..... LAE: 17202 ..... Date: 30-9-86

Second Inspection: ..... LAE: 11620 ..... Date: 30-9-86

Cont.....

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 ..... L.A.E./Auth. 17202 Date 30 SEP 86 File 6275-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

The following work has been carried out on:— the above aircraft
PORT ENGINE CHANGE. (Cont...)

9. All flexible hoses in port engine compartment renewed with the exception of: Both oil cooler hoses; oil pressure indicating line and fuel flow pressure to injector line. New hoses Batch No. L4824. Remaining hoses fitted ex engine Serial No. L-5211-61A.
10. Engine inboard Earth strap renewed. Batch No. 6383.
11. Baffles fitted. FAA AD 80-20-04. 50 hour repetitive inspection applies.
12. Engine oil system filled with Straight 100 oil. Batch No. L4418. Placarded 'Straight Oil' only.
13. Induction air filter element renewed. Batch No. B1667 fitted. Foam type. Retaining brackets adjusted.
14. Lycoming Service Instruction No. 1129A. Alternator belt tension check carried out.
15. Lycoming Service Instruction No. 1187F. Density controller adjusted using Comark calibration test rig.
16. FAA AD 82-16-05 R1. Turbo-exhaust coupling inspection carried out iaw Para (a) and Piper Service Bulletin No. 644D Part I.
17. Engine ground runs and adjustments carried out. Leak check satisfactory.

CERTIFICATE OF RELEASE TO SERVICE

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Signed ..... L.A.E./Auth. 17202 Date 30 SEP 86 File 6275-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
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(5)

TEN PERCENT EXTENSION GRANTED TO CSU PT. NO. F-6-2H SERIAL N° B900HT INSTALLED IN PORT POSITION TO OVERHAULED ENGINE SERIAL NO. L-6018-61A IAW VARIATION PROVISIONS OF MS/PIPER PA 31/77. CSU WAS DUE O/H AT 3811:00 A/C HRS AND NOW DUE O/H AT 4011:00 A/C HRS. INFLITE LUTON MAINTENANCE CONCESSION REFERENCE 1301 DATED 01 OCT 86 REFERS.

LOAN DIRECTIONAL GYRO REMOVED FROM N°2 POSITION. ORIGINAL D.G. SERIAL NUMBER 69319D REFITTED IN N°2 POSITION FOLLOWING REPAIR. BATCH N° LH7H0. INFLITE LUTON WORKSHEET FILE REFERENCE : 62H8-191 DATED 25 SEP 86 REFERS.

INFLITE Aviation Maintenance + Support
Stansted Airport, Essex CM24 8QW Telephone: Bishop's Stortford (0279) 815159 Telex: 817712 Kadair G
Hangar 55, Luton Airport. Luton, Beds LU2 9LU Telephone: Luton (0582) 22055 & 30742 Telex: 82285 NITEXP G

REGISTRATION G-DIDI **AIRCRAFT TYPE** PA-31 Navajo **SHEET** 1 **OF** 1

The following work has been carried out on:— the above aircraft's RADIO STATION.

1. DME reported unserviceable. New feeder Batch No. L2673 fitted. Date 30 OCT 86.
2. Transponder reported intermittent. Serial No. 6050 removed for repair. Loan unit Serial No. 8098 fitted ex G-THAM and tested satisfactory. Date 30 OCT 86.
3. Nav.1 reported unserviceable on 114.55 MHz. Serial No. 8081 removed for embodification of Mod.4. Loan unit Serial No. 31367 ex G-THAM fitted and tested. Date 04 NOV 86.
4. Loan Transponder Serial No. 8098 removed. KT76A Serial No. 6050 refitted following repair and ground tested satisfactory. Batch No. L5014. Date 07 NOV 86.
5. Loan NAV/COM Serial No. 31367 removed. Loan NAV/COM Serial No.11569 ex G-OHUB fitted. Ground tested satisfactory. Date 07 NOV 86.
6. Loan NAV/COM Serial No. 11569 removed and original NAV/COM Serial No. 8081 refitted following modification. Batch No. L5023. Ground tested satisfactory. Date 12 NOV 86.
7. Compass Check Swing carried out following Starboard engine change. Date 14 NOV 86.

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 ..... L.A.E./Auth. 2.1027.XR Date See Above File 6289-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

MODIFIED [illegible] COUPLINGS [illegible] AT THIS CHECK FOR: AND STBD. P/L NO. 551 - 58H BATCH N° LH720. REPETITIVE INSPECTION NOW RELIEVED. 7/ PIPER SL 878A. ADDITIONAL WORK :- 1/ OUTER PARK BRAKE CABLE RENEWED. BATCH N° LH863 FITTED. 2/ STBD. TYRE RENEWED. WHEEL ASSY. REBUILT WITH NEW BOLTS, BATCH N° L2030. WHEEL REFITTED. 3/ HEATER VENT MOTOR REPLACED. SER. NO. 4MA 976H5 BATCH 7721 FITTED. INFLITE INSP. FILE REF : 6283-101 REFERS.

replacements. ...fications and ...y ... to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

ADDITIONAL INSPECTIONS AT CHECK ONE: 1/. FAA AD 82-07-03. JANITROL HEATER INSPECTED IAW PARA (e). FOUND SATISFACTORY. 2/. FAA AD 82-27-13 R2. WING FLAP TRANSMISSION INSPECTED IAW PARA (a.3). FOUND SATISFACTORY. 3/. PIPER SERVICE BULLETIN Nº 845. 100HR INSPECTION OF MLG FWD. SIDE BRACE. FOUND SATISFACTORY. 4/. PIPER SERVICE LETTER Nº 755C PART I. INSPECTION AND LUBRICATION CARRIED OUT. 5/. FAA AD 80-20-04. ENGINE BAFFLES FOUND SATISFACTORY. 6/. FAA AD 82-16-05R1 MODIFIED TURBO-EXHAUST COUPLINGS FITTED AT THIS CHECK PORT AND STBD. Pt. No. 557-58H BATCH Nº LH720. REPETITIVE INSPECTION NOW RELIEVED. 7/. PIPER SL 878A. ADDITIONAL WORK:- 1/. OUTER PARK BRAKE CABLE RENEWED. BATCH Nº LH863 FITTED. 2/. STBD. TYRE RENEWED. WHEEL ASSY. REBUILT WITH NEW BOLTS. BATCH Nº L2030. WHEEL REFITTED. 3/. HEATER VENT MOTOR REPLACED. SER. No. 4MA 976H5 BATCH 7721 FITTED. INFLITE INSP. FILE REF: 6283-101 REFERS.

Check ONE carried out in accordance with Approved
Maintenance Schedule Ref: MS/PIPER PA31/77
at 3881:1H AIRCRAFT HRS. Worksheet Ref: 6283-101
Signed [signature] Date 29 OCT 86.
L.A.E./APP. INSP. No. 20086.
INFLITE LUTON AIRPORT, LUTON, BEDS.
Tel 0582 22055

INFLITE Aviation Maintenance + Support
Stansted Airport, Essex CM24 8QW Telephone: Bishop's Stortford (0279) 815159 Telex: 817712 Kindair G
Hangar 55, Luton Airport. Luton, Beds LU2 9LU Telephone: Luton (0582) 22055 & 30742 Telex: 82285 NITEXP G

REGISTRATION G-DIDI **AIRCRAFT TYPE** PA-31 Navajo **SHEET** one **OF** three

The following work has been carried out on:— the above aircraft at Luton.
STARBOARD ENGINE CHANGE.

At 3910:26 Total Aircraft Hours.

1. Starboard engine Serial No. L-5203-61A removed time-expired due complete overhaul. Engine Hours Run 2098:56 (TSO).
2. Overhauled Avco Lycoming engine Type: TIO-540-A2C Serial No. L-5129-61A-A installed in Starboard position using new engine mounts Batch No. L5010., bolts Batch No.L5024 and nuts Batch No. L5024.
   Engine Batch No. L5011.
   NIL HOURS RUN (TSO).
3. The following overhauled components are fitted: NIL HOURS RUN (TSO):

Component	Part No.	Serial No.
Turbocharger	406610-9020	IGR 0135
Density Controller	LW 12067	KER 0109
Wastegate	LW 12778	NCR 0116
Differential Pressure Controller	LW 10644	EGR 0127
Fuel injector	2524163-13	63750
E.D. Fuel Pump	RG 9080J4	C-1947
L.H. Magneto	10-349290-1	8348051
R.H. Magneto	10-349310-1	A-34647
Alternator	ALU 8421R	24-000-079
Starter Motor	MHB 4016R	12-S000095

(Cont...)

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 ..... L.A.E./Auth. M202 Date 13 NOV 86 File 6311-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

55, Luton Airport. Luton, Beds LU2 9LU Telephone: Luton (0582) 22055 & 30742 Telex: 82285 NITEXP G

G-DIDI **AIRCRAFT TYPE** PA-31 Navajo **SHEET** two **OF** three

The following work has been carried out on:— the above aircraft at Luton.
STARBOARD ENGINE CHANGE. (Cont..)

4. Overhauled CSU Pt.No.F-6-24 Serial No.B9008-T fitted. Batch No. L5030. Nil hours run (TSO).
5. The following part-life components ex Starboard position G-DIDI fitted at engine installation:

Component	Part No.	Serial No.	Hours (TSO)
Vacuum Pump	441 CC7	5AB 590	138:57
Hydraulic Pump	1213-HBG-310	0G7 0606	2099:26

6. Oil cooler ex Stbd. position G-DIDI flushed, inspected satisfactory and fitted.
7. New alternator drive belt Batch No. L4489 fitted.
8. Hartzell Propeller Type: HC-E3YR-2ATF (FC 8468-6R) Serial No. DJ 4432., ex Stbd. position G-DIDI., fitted using new seal Batch No. L5006. Propeller wirelocked.
Propeller Hours Run (TSO) 923:07
9. Duplicate inspection of disturbed engine controls carried out iaw BCAR Chap.A5-3:-

Initial Inspection [signature] LAE/Auth. 17202 LAE INFLITE Date 13. Nov. 1987.

Second Inspection [signature] LAE/Auth. 9/217/A102 22369 Date 13 Nov 1987

10. All flexible hoses in Starboard engine compartment renewed with the exception of: (i) Fuel flow line and (ii)Main hydraulic suction line.
New hoses Batch Nos L5024/L5029. Other hoses fitted ex Engine Serial No.L-5203-61A.

(Cont..)

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] L.A.E./Auth. 17202 Date 13 NOV 86 File 6311-IDI-86

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

TION G-DIDI

AIRCRAFT TYPE PA-31 Navajo

SHEET three OF three

The following work has been carried out on:— t e a ve a rcra t at Luton.

STARBOARD ENGINE CHANGE. (Cont..)

11. Engine bearer and firewall cleaned, inspected and re-protected prior to engine installation.
12. Manifold Pressure lines renewed. Batch No. L5032 fitted.
13. Turbocharger heat shield Batch No. L5024 fitted.
14. De-ice brushes (2-off) renewed. Batch No. L4704 fitted.
15. Oil filter adapter OF 712 Batch No. L4718 fitted.
16. Oil filter OF 51A Batch No. L4723 fitted.
17. Quick-release type oil drain Batch No. L4988 fitted.
18. Oil system filled with Straight 80. Batch No. L4418. Engine dipstick and cowling placarded.
19. Spark plugs fitted (supplied with engine).
20. Transition to overboard pipe gasket renewed. Batch No. L5024 fitted.
21. New EGT probe Batch No. L4565 fitted.
22. New air filter element. Batch No. L4840 fitted. Non-paper type. FAA AD 84-26-02 does not apply.
23. New turbo-exhaust coupling Pt.No.557-584 Batch No. L4877 fitted.
    Note: FAA AD 82-16-05 R1 repetitive inspection does not apply.
24. Lycoming Service Instruction No.1187F. Density controller adjustment carried out satisfactory.
25. Engine ground runs and adjustments carried out. Leak check satisfactory.

Full details of all work carried out held under Inflite Luton Work-sheet
File Reference: 6311-IDI-86.

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 ..... L.A.E./Auth. ..... 17202 ..... Date 13 NOV 86 ..... File 6311-IDI-86 .....

N.B. This Certificate constitutes a Log Book entry and must be affixed in appropriate Log Book.

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

TRANSPONDER SERIAL N° 6050 REMOVED FOR REPAIR. LOAN TRANSPONDER SER. No. 4205 FITTED Ex G-SVHA. GROUND TESTED SATISFACTORY. DATE 17 NOV 86. ORIGINAL TRANSPONDER SERIAL N° 6050 REFITTED FOLLOWING REPAIR AND GROUND TESTED SATISFACTORY. BATCH N° L5053 LOAN ITEM REMOVED. DATE 20 NOV 86. INFLITE LUTON WORKSHEET FILE REFERENCE: 632H-101-86 REFERS.

1/. PORT AILERON OPERATING ROD REAR BEARING WORN. NEW ROD END BATCH N° LH839 FITTED. DUPLICATE INSPECTION CARRIED OUT AND HELD ON FILE. DATE 18 NOV 86.

2/. PROPELLER DE-ICE TIMER REMOVED UNSERVICEABLE. NEW TIMER BATCH N° L5059 FITTED. FUNCTION CHECKED SATISFACTORY. DATE 21 NOV 86. 3/. STARBOARD ENGINE MAIN HYDRAULIC SUCTION LINE RENEWED. BATCH N° L5050 FITTED. DATE 10 DEC 86. INFLITE LUTON WORKSHEET FILE REFERENCE: 632H-101-86 REFERS.

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

ADDITIONAL INSPECTIONS CARRIED OUT AT CHECK TWO : 1/. FAA AD 80-20-04. ENGINE BAFFLE SEALS INSPECTED SATISFACTORY. 2/. FAA AD 82-07-03 HEATER INSPECTED IAW PARA (e) AT 695.4 METER HOURS. 3/. FAA AD 82-27-13 R2 WING FLAP TRANSMISSION INSPECTED IAW PARA (a.3). 4/. PIPER SB 845 PORT + STBD MLG FORWARD SIDE BRACE INSPECTED SATISFACTORY. 5/. PIPER SL 755C PART ONE. 6/. PIPER SL 878A. ADDITIONAL WORK CARRIED OUT :- 1/. BATTERY REMOVED, CAPACITY TESTED SATISFACTORY AND REFITTED. NEXT DUE 10 MAR 87. 2/. HEATER BLOWER MOTOR BRUSHES RENEWED. BATCH N° L5099 FITTED. HEATER REFITTED AND FUNCTIONED SATISFACTORY. 3/. FIRE EXTINGUISHER INSPECTED. NEXT CHECK DUE 09 DEC 87. 4/. L.H. PROP DE-ICE BRUSHES: BATCH N= L5045 FITTED 5/. ANTI-RETRACT SYSTEM SOLENOID RE-POSITIONED. FUNCTIONED SATISFACTORY. 6/. PORT MAINWHEEL TYRE RENEWED. BATCH N= LH989 FITTED. BEARINGS LUBRICATED SATISFACTORY. 7/. ELT SWITCH PLACARDED 'ELT NOT FITTED'. 8/. CORRODED ACCESS PANEL SCREWS REPLACED. INFLITE LUTON INSPECTION FILE REFERENCE: 63H1-191-86 REFERS.

Check TWO carried out in accordance with Approved
Maintenance Schedule Ref: MS/PIPER PA 31/77
at 3969:0H/ AIRCRAFT HRS Worksheet Ref: 63H1-191
Signed [signature] Date 10 DEC 86
L.A.E./APP. INSP. No. 14202
INFLITE LUTON AIRPORT, LUTON, BEDS.
Tel 0582 22055

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

1/ PORT CSU SERIAL N= B900HT REMOVED DUE OVERHAUL. OVERHAULED CSU PT. No. F-6-2H SERIAL No. B661HT FITTED. BATCH N° LS130. NIL HRS RUN (TSO). DATE 22 DEC 86. 2/ HEATER REMOVED FOR REPAIR 29 DEC 86. HEATER PT. No. B39D59 SERIAL N= 1781782 REFITTED FOLLOWING REPAIR. BATCH N= LS155. GROUND FUNCTIONED SATISFACTORY. DATE 31 DEC 86. 3/ FAA AD 80-20-04 ENGINE BAFFLE SEALS INSPECTED. FOUND SATISFACTORY. DATE 09 JAN 87. INFLITE LUTON WORK-SHEET FILE REFERENCE : 635H - 101 REFERS.

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

ADDITIONAL INSPECTIONS CARRIED OUT AT CHECK ONE: 1/. FAA AD 82-07-03. JANITROL HEATER INSPECTED IAW PARA (e). FOUND SATISFACTORY. DECAY TEST NOT CARRIED OUT. 2/. FAA AD 82-27-13R2 WING FLAP TRANSMISSION INSPECTED IAW PARA (a.3). PORT 1/16". STBD 1/8". 3/. PIPER SERVICE BULLETIN Nº 845. 100HR INSP. OF MLG FORWARD SIDE BRACES. NO CRACKS FOUND. 4/. PIPER SL 755C INSPECTION AND LUBRICATION CARRIED OUT IAW PART ONE. 5/. FAA AD 80-20-04 ENGINE BAFFLE SEALS INSPECTED. FOUND SATISFACTORY. 6/. PIPER SL 878A OIL BREATHER TUBE ALIGNMENT/INSPECTION CARRIED OUT. 7/. FAA AD 84-26-02. PAPER TYPE INDUCTION AIR FILTER FITTED PORT ENGINE AT THIS CHECK. BATCH Nº L3812. 500 HR REPLACEMENT REQUIRED. ADDITIONAL WORK CARRIED OUT: 1/. DD Nº27 HEATER INTERMITTENT. IGNITION PLUG CLEANED FUNCTION CHECK CARRIED OUT. 2/. HEATER VENT FAN INOPERATIVE. FAN ASSY. REMOVED AND NEW BRUSHES BATCH Nº L5099 FITTED. HEATER FUNCTIONED SATISFACTORILY. 3/. STBD. BRAKE PIPE FROM U/C BAY TO CALIPER RE-POSITIONED TO PREVENT CHAFING ON AIRFRAME WHEN U/C RETRACTED. INFLITE LUTON INSPECTION FILE REFERENCE: 6377-1D1-87 REFERS.

Check ONE carried out in accordance with Approved
Maintenance Schedule Ref: MS/PIPER PA31/T
at 4050:10 AIRCRAFT HOURS Worksheet Ref: 6377-1D1
Signed [signature] Date 22 JAN 87
L.A.E./APP. INSP. No. 19135
INFLITE LUTON AIRPORT, LUTON, BEDS.
Tel. 0582 22055

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

1/. STARBOARD ENGINE MIXTURE CONTROL CABLE REPLACED. NEW CABLE BATCH № L232H FITTED. DUPLICATE INSPECTION CARRIED OUT AND HELD ON FILE. DATE 16 JAN 87. 2/. HEATER COMBUSTION MOTOR REPLACED. SERIAL № IMA 976H5 BATCH № 5159 FITTED. DATE 10 FEB 87. 3/. ARTIFICIAL HORIZON P/N 99002-3 SERIAL № 77297 F REFITTED IN N°2 POSITION (PREVIOUSLY REMOVED TO SERVICE G-BMUP). GROUND TESTED SATISFACTORY. DATE 10 FEB 87. 4/. FAA AD 80-20-04 ENGINE BAFFLES PORT AND STBD INSPECTED AND FOUND SATISFACTORY IAW PARA (a). DATE 13 FEB 87. INFLITE LUTON WORKSHEET FILE REFERENCE: 6382-1D1-87 REFERS.

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

ADDITIONAL INSPECTIONS CARRIED OUT AT CHECK TWO :- 1/. FAA AD 82-07-03. JANITROL HEATER INSPECTED IAW PARA (e) AT 826.9 METER HRS. FOUND SATISFACTORY. 2/. FAA AD 82-27-13 R2. WING FLAP TRANSMISSION INSPECTED IAW PARA (a.3). WEAR WITHIN LIMITS. 3/. FAA AD 82-27-13 R2. FLAP FLEXIBLE DRIVE SHAFT ASSEMBLIES INSPECTED IAW PARA (a.2 - 500 HOUR REQUIREMENT). PORT FLAP CABLE REPLACED. PART N= H86-597 BATCH N= L532H FITTED AND SYSTEM RIGGED. DUPLICATE INSPECTION OF DISTURBED FLAP CONTROLS CARRIED OUT AND HELD ON FILE. 4/. FAA AD 84-26-02. PAPER TYPE INDUCTION AIR FILTER ELEMENT FITTED STARBOARD ENGINE. B/N L5306. REPLACEMENT REQUIRED AT H630:16 A/C HRS. 5/. FAA AD 81-11-04. NOSEWHEEL TYRE AND TUBE REPLACED. B/N L5319/. FITTED. NOSEWHEEL CRACK CHECKED IAW PIPER SB 700A. FOUND SATISFACTORY. 6/. FAA AD 80-20-04 PARA (a) PORT & STBD. ENGINES. FOUND SATISFACTORY. 7/. PIPER SL 878A. 8/. PIPER SL 755C. 9/. PIPER SB 845. ADDITIONAL WORK CARRIED OUT :- 1/. BATTERY REMOVED, CAPACITY TESTED SATISFACTORY, AND REFITTED. 2/. VOLTAGE REGULATORS SER Nos: 9780 AND 10454 REMOVED, REPAIRED AND REFITTED. CHECKED ON GROUND RUN SATISFACTORY. 3/. PORT AND STBD. BRAKE PADS REPLACED. B/N L4353 FITTED. INFLITE LUTON

Check TWO carried out in accordance with Approved
Maintenance Schedule Ref: MS/PIPER PA31/77
at H130:16 AIRCRAFT HRS Worksheet Ref: 6423-101
Signed Rawdon Date 05 MAR 87
L.A.E./APP. INSP. No. 19136
INFLITE LUTON AIRPORT, LUTON, BEDS.
Tel. 0582 22055

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a reference
Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

TEN PER CENT EXTENSION GRANTED TO CHECK TWO I.A.W PROVISIONS OF M/S PIPER 31/77

NEXT CHOCK TWO DUE AT 4301:56 HRS | INFLITE LUTON MAINT CON RGT Nº 1355

A/F LOG RECEIVED 19-6-87 | Orig National: Tech log pages not available

from Inflite and A/F log not made up to date at Landover

19/6/87

(1) Particulars of all maintenance work
(2) Particulars of all overhauls, repairs,
(3) Particulars of any defects occurring
to the relevant entries in the
(4) Certificate that in carrying out the

C of A. RENEWAL.

ALLATION SURVEY

..... DATE 10 July 87

AVIATION AUTHORITY

-310 G-DIDI

at this Aircraft is approved
wal of its Certificate of
r in the Transport
tegory for a period of
rom 16th July 1987.

SURVEYOR

ON AUTHORITY 10th July 87

National Airways
Aviation Way
Southend Airport

LOG BOOK ENTRY

A/C Type. Piper PA31 31-7812081
A/C Regn. G-DIDI
Con.No. .....

A/F Hrs. 4378-06
Ldgs. 3995

Station SND
File Ref. IDI/5/7/87
Date 14.7.87

Annual check, checks 1 & 2 carried out to approved schedule Piper PA31/142. "CofA" Renewal.

Other work carried out at this time:

AD.80.20.04	Eng. baffle seals P/S.
AD.81.11.04	Cleveland nose wheel satisfied.
AD.82.27.13	Flap extension system Pt.A3 satisfied.
SB.845	MLG. Fwd side braces P/S satisfied.
SB.301B(Avco)	Rocker gear insp. P/S.

All exterior needle bearings lubed.
Magneto distributors checked P/S
Oil coolers flushed P/S
Props de-sludged P/S
Port eng. crankshaft de-sludged.(N/A Stbd)
Gyro horizon filters replaced P/S.
Vacuum regulator filters changed P/S
Pitot Static test carried out.
P1.Altimeter calibrated.
P2.Altimeter changed Ser.ON:P2094 Batch:2044/1/87
A.S.I. calibrated P/S.
Battery Cap-test carried out.Aerials & feeders - 2Yearly V.S.W.R complied.
Radio bonding check BI-Annual check complied.
Frequency tol.check BI-Annual complied.
Stbd. Engine oil changed from straight to W.
Stbd. Propeller-CAA Notice 75 para 2.2.1.-Hub insp. carried out. Ser.DJ4432 Batch:2435.1.87.

replacements, modifications and mandatory inspections to the aircraft or its equipment. in the aircraft or its equipment and of the rectification of such defects including a reference Technical Log.
overhaul, repair etc., all mandatory requirements applicable thereto have been complied with.

(5)

NATIONAL AIRWAYS

APPROVAL No. A1/9097/87 FILE REF. 1D1-5/7-87

ANNUAL Check carried out to my satisfaction at 4378-06

total airframe hours Maint. Inst. Schedule Ref. MS/PIPER PA31/142

Signature Date 14/7/87 Authority NAT 010 AIR

Airframe X

Engine/Propeller X

Radio X

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."

DATE 14/7/87 AUTHORITY NAT 010 AIR

SIGNATURE

PROPELLER DJ 4432 ~~REMOVED FROM~~/FITTED TO

ENGINE L-5129-6/4A-A STB A/C G-DIDI

FOR CAA NOTICE No 75 PARA 2-2-1

DATE 7.7.87 PLACE SOUTHEND FILE REF. 1D1/5/7/87

HOURS RUN 1340:47

PROPELLER DJ4432 ~~REMOVED FROM~~/FITTED TO

ENGINE L-5129-6/4A IN THE STB POSN OF A/C G-DIDI

~~FOR~~ AFTER C.A.A. NOTICE 75 PARA 2.2.1

DATE 14/7/87 PLACE SND FILE REF. 1D1/5/7/87

HOURS RUN 1390:47

National Airways
Aviation Way
Southend Airport

LOG BOOK ENTRY

A/C Type Piper PA31 - A/F Hrs:4446-11 Station SND

A/C Regn. G-DIDI File Ref. IDI/6/8/87

Con.No. 31-7812081 Date 7.8.87

Check 1 carried out to approved schedule Piper PA31/142 iss.1.

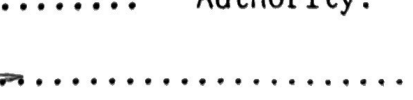
Following additional items carried out this check:-

AD.80.20.04	Eng. baffle seals P/S.
AD.81.11.04	Cleveland nose wheel- checked N/A.
AD.82.27.13	Flap extension system Pt.A-3.
SB.845	MLG. Fwd Side Braces P/S.
SL.755C	All U/C actuators Rod endss
MS.2	All external needle bearings.
CAA Notice 55	Complied P/S.
Fuel Pump changed.	Stbd. Ser:ON:D3123 Batch: Ex-G-BMUP. 541 Hrs Available.
KN/74 R/Nav changed	No.1 Position. Ser.ON:3023 Batch:Ex-G-BNAT. O/C.

All other items contained in the above file ref.

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."

Date: 7-8-87 Authority: A/9097/87 NAT Q 1 C AIR

Signature: 

National Airways
Aviation Way
Southend Airport

LOG BOOK ENTRY

A/C Type PIPER PA. 31 NAVAJO

A/C Regn G-DIDI....

Con.No. 31-7812081.

A/F HOURS 4523:01...

Station SOUTHEND.....

File Ref IDI/7/9/87.....

Date 9.9.87.....

LANDINGS 4138.....

CHECK/DETAIL CHECK 2..... Carried out in accordance with the approved maintenance Schedual M/S PA 31/142. All work is filed under FILE REF IDI/7/9/87..... and all additional work and special inspections are listed below:-

AD 80.20.04 Engine Baffle Seals

AD 82.27.13 Flap Extension System

PIPER S/B 845 MLG FWD.Side Braces

S.L.755C All U/C Actuators,Rods,&,End Fittings.

Magneto Distributor Block Inspection PORT R.H

CAA Notice No 55 Propeller Maintenance

~~L.H Induction Air Filter Replaced Batch No.2513-2-87 Fitted~~

A.D 82.07.03 Janitrol Heater Inspection Part A.@ 926.9.Heater 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."

Date: 9.9.87..... Authority: AI/9097/87.....

Signature: ...G.E. Helmer..... NAT 12 AIR .....

Particulars of all maintenance work
Particulars of all overhauls, repairs,
Particulars of any defects occurring
to the relevant entries in the
Certificate that in carrying out the

...cations and mandato...
...equipment and of the ...

...all mandatory requirem...

National Airways
Aviation Way
Southend Airport

LOG BOOK ENTRY

A/C Type. PA31-310

A/C Regn. G-DIDI

Con.No. 31-8812081

A/F HOURS 4677:00

CHECK/DETAIL. TWO

Station SOUTHEND

File Ref IDI/9/11/87

Date 23-11-87

LANDINGS .4298

Schedual M/S PA31/142 Carried out in accordance with the approved maintenance
All work is filed under FILE REF. IDI/9/11/87... and
all additional work and special inspections are listed below:-

CAA NOTICE NO.55
AD 80-20-04
AD 82-27-13
AD 82-07-03
PIPER S/B 845
SL. 755C

PROPELLER BLADE MAINTENANCE CARRIED OUT ON ALL PROPS.
ENGINE BAFFLE SEALS, ALL, INSP. CARRIED OUT.
FLAP EXTN SYSTEM PART 2 &3 INSP. CARRIED OUT.
JANITROL HEATER PART A ONLY CARRIED OUT.
MLG FWD SIDE BRACES CRACK INSP. CARRIED OUT. P/S
U/C ACTUATORS & ROD END & ROD BEARINGS. LUBRICATE CARRIED OUT.

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."

Date: 23.11.87 Authority: A1/9097/87

Signature: J. Palmer

MAY 12 AIR

National Airways
Aviation Way
Southend Airport

LOG BOOK ENTRY

A/C Type..~~KING AIR 200~~ PA31-350

A/C Regn..G-DIDI.....

Con. No. ..LJ.630.....

A/F Hours..4752.20.....

Station..SOUTH.....

File Ref.IDI-10/12/87

Date....13.1.88.....

Landings...~~4574~~.....

CHECK/DETAIL...ONE..... Carried out in accordance with the approved maintenance schedule.MS.PA31/142..... All work is filed under FILE REF.IDI-10/12/87 and all additional work and special inspections are listed below:-

CAA NOTICE 55.	PROP. BLADE MAINT. CARRIED OUT P/S.
AD 80.20.04	P/S ENG. BAFFLE SEALS CARRIED OUT.
CAA NOTICE 41.	JANITROL HEATER PT. B CARRIED OUT.
AN 82.27.13.PT.3.	FLAP EXTN. SYSTEM. CARRIED OUT.
	M.L.G. FWD SIDE BRACES CARRIED OUT.
S.L. 755C.	INSP. + LUBE - MLG ACTUATORS + ROD + ROD END BEARINGS - CARRIED OUT.

Certificate of Release to Serivce.
"The work recorded above has been carried out in accordance with the requirements of the Air Navigation Order for the tiie being in force and in that respect the Aircraft/Equipment is considered fit for release to service.

Date: .....13.1.88.....

Authority: ...A1/9097/87.....

Signature: ...G.E. Palmer.....

NAT 12 AIR