



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

August 11, 2014

AIRWORTHINESS

Group Chairman's Factual Report

DCA13MA121

**Attachment 1 – Airframe Logbook
(11 pages)**

- ## B. MANUFACTURER CONSTRUCTEUR

DEHAVILLAND

- ### C. MODEL MODÈLE

DHC-3

- D. SERIAL NUMBER
NUMÉRO DE SÉRIE

280

- E. FUEL
CARBURANT

CAPACITY
CAPACITÉ

GRADE
TYPE

- F. OIL GRADE
TYPE D'HUILE

SUMMER
ÉTÉ

WINTER
HIVER _

- G. HYDRAULIC FLUID
FLUIDE HYDRAULIQUE

- H. MAINTENANCE SCHEDULE
CALENDRIER DE MAINTENANCE

- I. MAXIMUM GROSS WEIGHT
MASSE MAXIMALE BRUTE

- J.

- K.

- ## L. EMPTY MASS AND CENTRE OF GRAVITY
- ### *MASSE À VIDE ET CENTRE DE GRAVITÉ*

[illegible]

FLIGHT RECORD

Date		Crew - Équipage	Journey - Route		Record of time - Fiche de temps				Other - Autre	
1	2	3	4	5	6	7	8	9	10	
Y / M / D	Pilot / Copilot Pilote / Copilote	From De	To À	Up Décollage	Down Atterissage	Air time Temps-air	TTSN**			
		Totals brought forward Totaux reportés						22529.0		
		Last two entries of previous log book								
09/02/88				1000	1340	3.7	22532.7			
				1445	1835	3.8	22536.5			
Front Fuselage										
1	Remove engine & prop			Engine, prop and accessories removed						
2	RH wing strut			RH wing strut replaced SN off 172 SN on 263 in accordance with PSM 1-3-3 MM- total strut time 17146.3 hours						
3	Repair cracks in firewall			Independent check carried out						
4	Install fuel tank Mod			Firewall cracks repaired using .032 stainless steel in accordance with DHC-3 SRM. Riveting carried out in accordance with AC4313 1B paragraph 4-57 and on						
5	Replace fuel bladders			Extended fuel tank mod installed in accordance with STC #SA03-82 in accordance with Kal-Air model 1460 extended range fuel system and installation instruction and American STC #SA01855NY. Leak checked ok						
6	Replace RH side damaged skin at station 383.0 to 413.0			Fuel bladders removed, cleaned, inspected and re-taped fuel bays- installed new fuel bladders (Rear SN 72, Center rear SN 99, Center front SN 113 and Front SN 131). Fuel lines, transmitters and drains installed in accordance with DHC-3 MM page 138 paragraph 5.12 & 5.13. Function and leak checked						
7	Replace LH & RH skins forward of cockpit doors			RH side damaged skin replaced making repair part in accordance with CARS 571.06(4) using original as template. Found skin thickness in accordance with DHC-3 SRM page 60 figure 4-6. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
8	Replace RH roof tail skin at station 264. - 353.			LH & RH skins forward of cockpit doors replaced in accordance with CARS 571.06(4) using original as template. Found skin thickness in accordance with DHC-3 SRM page 60 figure 4-6. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
9	Repair stiffeners behind firewall			LH & RH skins behind cockpit doors replaced in accordance with CARS 571.06(4) using original as template. Found skin thickness in accordance with DHC-3 SRM page 60 figure 4-6. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
10	Replace LH & RH skins behind cockpit doors			LH & RH stiffeners behind firewall repaired in accordance with CARS 571.06(4) using original as template. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
11	Replace rivets behind LH & RH cockpit skins			LH & RH skins behind cockpit doors replaced at station 84.0 - 110.0 in accordance with CARS 571.06(4) using original as template - material reference DHC-3 SRM. Riveting carried out in accordance with AC4313 1B paragraph 4-57.						
12	Repair damaged belly fairings forward belly of cockpit			Rivets behind LH & RH cockpit skins replaced. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
13	Install RH rear cargo door lower sill			Forward belly of cockpit damaged belly fairings replaced in accordance with CARS 571.06(4) using original as template. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
14	Replace flight instrument & radio panels			RH rear cargo door lower sill installed. Riveting carried out in accordance with AC4313 1B						
15	Replace lower rudder bearing			Flight instrument panel and radio panel replaced using .125 6061 aluminum						
16	Replace worn housing and barrel assembly for rudder trim jack			Lower rudder bearing replaced ok. See WO # 4997 wc#7 for installation of rudder						
17	Repair LH aft seat bracket aft of cargo door			Housing and barrel assembly replaced for rudder trim jack. Function checked trim system						
18	Replace LH & RH cable assembly			LH aft seat bracket aft of cargo door repaired using original as template. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
19	Replace forward LH cable			LH & RH cable assembly rudder and rear replaced in accordance with SRM reference 177 figure 41						
20	Install Stol kit			Forward LH wing cable replaced in accordance with DHC-3 SRM page 166 figure 39. See WO #4997 wc# 3 for complete rigging and independent						
21	Replace cable assembly in RH wing			Baron Stol Kit installed in accordance with STC SA94-114 and AOG Air Support instruction manual supplement #4 SN PC4229-PC-4350. Riveting carried out in accordance with AC4313 1B paragraph 4-57						
				RH wing cable assembly replaced (see WO #4997 wc#3 for complete rigging and independent checks						
15										
(Brought forward)		Next scheduled maintenance:				Due:				
(Reporté)		Prochaine maintenance planifiée:				Échéance:				
						(hr / cycles / c)				
						(h / cycles / d)				

*Delete where inapplicable — Supprimer si ce n'est pas applicable

**Total time since new — Temps total depuis

Maintenance		
12	Defects Défectuosités	13 Rectification
		14 Signature
22	Replace LH forward rudder cable	LH forward rudder cable replaced SRM page 172 figure 40. (see WO #4997 wc#7 for complete rigging and independent checks)
23	Replace pilot LH and co-pilot LH & RH pushrod rod ends	Pilot LH and co-pilot LH & RH pushrod rod ends replaced in accordance with DHC-3 MM. Function checked ok Independent check carried out ok
24	Replace servo tab hinge	Servo tab hinge assembly replaced. Riveting carried out in accordance with AC4313 1B paragraph 4-57
25	Repair LH & RH wheel strut skin	LH & RH wheel strut skin repaired using original as template. Bending carried out in accordance with AC4313 1B page 4-13 paragraph 4-55. Riveting carried out in accordance with AC4313 1B page 4-14 paragraph 4-57
26	Fill unusable holes with cover plate	Unused holes on roof covered with cover plates in accordance with AC4313 1B page 4-22 figure 4-16 material reference DHC-3 SRM
27	Replace old antenna hole with patch	Old antenna hole replaced with patch in accordance with SRM repair manual page 51 paragraph 4.4 material reference DHC-3 SRM
28	Repair belly panel for fuel bay cover	Belly fairing at fuel bay replaced with made repaired part in accordance with CARS 571.06(4) using original as template. Riveting carried out in accordance with AC4313 1B
29	Repair stab trim wheel fairing	Stab trim wheel fairing in cockpit replaced in accordance with CARS 571.06(4) using original as template. Bending carried out in accordance with AC4313 1B section 4 paragraph 4-56
30	Replace skin on flap SN FS-91	Skin on flap SN FS-91 short outboard and long inboard replaced. Riveting carried out in accordance with AC4313 1B paragraph 4-57
31	Replace skin on flap SN FW-183	Skin on flap SN FW-183 short outboard and long inboard replaced. Riveting carried out in accordance with AC4313 1B paragraph 4-57
32	Replace skin on aileron SN FW-279	Skin on flap SN FW-279 short outboard and long inboard replaced. Riveting carried out in accordance with AC4313 1B paragraph 4-57
33	VOID	
34	VOID	
35	Compass swing	Compass swing carried out ok
36	Replace pilot & Co-pilot windows	Pilot and co-pilot windows replaced in accordance with AC4313 1B
37	Repair strake	Strake repaired using original as template in accordance with SRM page 60 figure 4-6. Bending carried out in accordance with AC4313 1B page 4-13 paragraph 4-55. Riveting carried out in accordance with AC4313 paragraph 4-57 page 4-14 ok
38	Replace cracked hydraulic feed line	Cracked hydraulic feed line in hell hole replaced in accordance with AC4313 1B section 9 paragraph 9-30 page 9-18. Minimum bend radius found in accordance AC4313 1B section 9 table 9-2 page 9-19. Leak checked ok
39	Flap assembly leaks	Thermal relief valve from flap actuating assembly removed – found unserviceable o-rings – replaced o-rings and reassembled system in accordance with DHC-3 MM. Function and leak checked ok
40	Replace door seal	Door seal replaced and painted
41	VOID	
42	Repair rudder trim tab rib	Rudder trim tab riv repaired using original as template. Riveting carried out in accordance with AC4313 1B page 4-13 paragraph 4-55. Bending carried out in accordance with AC4313 1B paragraph 4-57
43	Replace elevator trim tab hinge and servo tab	Elevator trim tab and servo tab hinge replaced. Riveting carried out in accordance with AC4313-1B.
44	VOID	
45	Install Pulselite	Pulse light system SN T04708 installed in accordance with STC #SA4005NM. Function checked ok
46	Repack wheel bearings	LH & RH Bearings re-packed in accordance with DHC-3 MM
47	Hydraulic leak on RH caliper	Wheel assembly and brake caliper removed, disassembled caliper – found small corrosion pits. Removed corrosion pits and cleaned cylinder bores and re-installed caliper and wheel assembly in accordance with DHC-3 MM. Brakes bled, function and leak checked ok
48	ELT	ELT removed, re-certified and re-installed SN 405475. Function checked ok
49	Weight and Balance	Weight and balance carried out ok

Next scheduled maintenance:
 Prochaine maintenance planifiée:

Due:
 Échéance:

(hr / cycles / date)*
 (h / cycles / date)*

(Carry forward)
 (Reporter)

FLIGHT RECORD

Date		Crew - Équipage	Journey - Route		Record of time - Fiche de temps				Other - Autre		
1	2	3	4	5	6	7	8	9	10	11	
Y / M / D	Pilot / Copilot Pilote / Copilote	From De	To À	Up Décollage	Down Atterissage	Air time Temps-air	TTSN**				
Totals brought forward Totaux reportés							22536.5				
Front Fuselage											
1	800 hour inspection	800 hour inspection carried out									
2	Horizontal trim jack	Horizontal trim jack removed, disassembled, inspection carried out, re-assembled and re-installed in accordance with DHC-3 MM ok. Independent for internals and assembly of trim jack carried out.									
Complete details on file at Recon Air Corporation on WO #4823											
Additional Work											
1	Remove propeller and piston engine and related parts for conversion	Propeller, piston engine and related parts removed for turbine conversion									
1	Turbine conversion	Garret Turbine Engine SN P-36374 installed in accordance with SA02-15 and Texas Turbine Installation drawings.									
3	Electrical system	Electrical system installed in accordance with Texas Turbine conversion drawings Function checked ok									
4	Firewall modifications	Firewall modifications carried out in accordance with Texas Turbine installation drawings #533010.									
5	Lower mount attach doubler	Made and installed lower mount attach doubler starboard side and modified port side in accordance with Texas Turbine installation drawings 532020, 532020-1, 532020-2 and 532021.									
6	Fuel shut off valve	Fuel shut off valve and cable assembly relocated and installed in new position in accordance with Texas Turbine installation drawing #282030 sheet #1 and #2 and 250010. Function and leak checked ok <u>Independent checks carried out</u>									
7	LH & RH Augmenter	LH and RH augmenters covers fit and installed in accordance with Texas Turbine installation drawing #533010 sheet #3.									
8	Prep and paint firewall	Firewall and dash panels painted in accordance with Recon Air Deviation from Standards file									
9	Fuel system	Forward and aft of firewall installed in accordance with Texas Turbine installation drawings. Leak checked ok									
10	Engine mount	Engine mount installed & torqued in accordance with Texas Turbine installation drawings #714020.									
11	Cockpit reinforcement stringers	Cockpit reinforcement stringers and roof doubler installed in accordance with Texas Turbine installation drawings #532010. Riveting carried out in accordance with AC4313 1B paragraph 4-57									
12	Dash panel cover plates	Dash panel fit and installed in accordance with Texas Turbine conversions									
13	Engine control quadrant	Engine controls quadrants reworked and installed in accordance with Texas Turbine installation drawings - 760020, 760030, 760035 & 760025. Engine controls rigged as required. Function checked ok <u>Independent checks carried out</u>									
14	Bleed air heating system	Bleed air heating system installed in accordance with Texas Turbine installation drawings #214010. Function checked ok									
15	Engine cowlings	Engine cowl fit to aircraft out in accordance with Texas Turbine installation drawings 711010									

For	N	30	60	90	120	150
Steer	357	24	51	91	21	32
For	180	210	240	270	300	330
Steer	181	212	243	274	305	336

Signature: _____
Date: June 1 / 2001 Lic. # 2005-64-21
Radio: On ☒

15 (Brought forward)
(Reporté)

Next scheduled maintenance:
Prochainé maintenance planifiée:

Due:
Échéance:

(hr / cycles / date)*
(h / cycles / date)*

*Delete where inapplicable — Supprimer si ce n'est pas applicable

**Total time since new — Temps total depuis neuf

Maintenance

Defects
Défectuosités

Rectification

Signature

50 Pitot static

Pitot static check carried out ok

51 Replace aft LH & RH wing and fuselage
bushings and bolts

LH & RH aft wing and fuselage bushings and bolts replaced

52 Static wicks

Static wicks installed

Complete details on file at Recon Air Corporation on WO #4835

For Work Cards 2 & 23

Independent checks carried out

Date: Jul 6, 10

Sign: Kevin Leuenberger

Lic #:

AMO 69-91

The maintenance described has been performed in accordance with the applicable airworthiness requirements. Second signature for Independent Check.

Date: Jul 6, 10

Sign:

Lic #:

AMO 69-91

For Work Cards 2

Independent checks carried out

Date: Jul 6, 10

Sign: Jim Bailey

Lic #:

AMO 69-91

The maintenance described has been performed in accordance with the applicable airworthiness requirements. Second signature for Independent Check.

Date: Jul 6, 10

Sign:

Lic #:

AMO 69-91

16 Install engine mount

Engine PN 3102170-6 Model #331-10R-511C SN P42145C installed in mount and attachment bolts torqued in accordance with Texas Turbine drawing #714010 all hoses, wiring and lines connected in accordance with Texas Turbine installation drawings, starter generator SN 23079-000-1 SNP1031, tach generator PN 22a690 SN 10227 installed.. Function and leak checked ok
Independent checks carried out

17 Propeller

Propeller SN CDA5308 model HC-B4TN-5QL installed in accordance with Hartzell Installation Manual #139 rev. 9 chapter 61-00-39 and AD83-08-01R2 and AD2005-14-12 carried out Function and leak checked ok
Independent checks carried out

18 Bleed Air vacuum system

Bleed air vacuum system installed in accordance with Texas Turbine installation drawing #750010.

19 Engine E.P.A kit

Engine E.P.A kit installed in accordance with Texas Turbine installation drawing #730010, 730010-1 and 730010-2. Function and leak checked ok

20 Battery & venting system

LH & RH batteries SN G02498254 & SN G02498257 installed and venting system installed in accordance with Texas Turbine installation drawing #240008. Function checked ok

21 Carry out required a/c run up,
system function and leak checks

Run up, system function and leak checks carried out

22 Re-weight A/C

Aircraft reweighed and weight and balance carried out

23 Carry out propeller dynamic
balance

Propeller dynamic balance carried out ok

24 Install prop de-ice system

Prop de-ice system installed in accordance with Texas Turbine Drawing #245050-24

Complete details on file at Recon Air Corporation on WO #4834

For Work Card 6,13,16 & 17

Independent checks carried out.

Date: Jul 7, 10

Sign: Kevin Leuenberger

Lic #:

AMO 69-91

The maintenance described has been performed in accordance with the applicable airworthiness requirements. Second signature for Independent check carried out ok

Date: Jul 7, 10

Sign:

Lic #:

AMO 69-91

Next scheduled maintenance:

Prochaine maintenance planifiée:

Due:

Échéance:

(hr / cycles / date)*

(h / cycles / date)*

(Carry forward)

(Reporter)

FLIGHT RECORD

Date	Crew - Équipage	Journey - Route	Record of time - Fiche de temps				Other - Autre			
1 Y / M / D X / M / J	2 Pilot / Copilot Pilote / Copilote	3 From De	4 To À	5 Up Décollage	6 Down Atterissage	7 Air time Temps-air	8 TTSN**	9	10	11
Totals brought forward Totaux reportés							22536.5			
1	CF2006-02R1	N/A Modified tab kit installed								
2	CF2002-48	N/A Viking tab not installed								
3	CF2002-38	N/A PT6 not installed								
4	CF2001-37	N/A Piston engine not installed								
5	CF99-05	N/A PT6 not installed								
6	CF99-06R1	N/A Radial engine not installed								
7	CF91-16	N/A PT6 not installed								
8	CF89-20R1	N/A Mod 3/935 found to be installed								
9	CF85-04	Elevator pushrod and attachment bolts to the elevator quadrant in the stub fin inspection carried out ok. S/B 3/43 previously carried out (bolts were replaced)								
10	CF85-03R1	N/A Mod 3/932 previously carried out								
11	CF82-34	Control column assembly inspection carried out								
12	CF82-26R1	Tie Bar inspection carried out by Team Industrial (see attached)								
13	CF69-12	N/A not on skis								
14	CF68-13	Placard installed								
15	CF62-05	Firewall installed with monel type rivets and steel bolts ok								
16	CF61-05	N/A Piston engine not installed								
17	CF61-04	N/A skis not installed								
18	CF60-08	N/A								
19	CF60-07	N/A								
20	CF60-03	Wing strut spar inspection carried out ok								
21	CF59-07	Bellcrank assembly inspection carried out ok								
22	CF59-03	N/A Amphibs not installed								
23	CF58-15	CF58-15 carried out MOD3/288 previously carried out ok								
24	CF58-05	N/A								
25	CF58-04	Previously carried out								
26	CF57-08	Previously carried out								
27	CF57-06	N/A by serial number								
28	CF56-13	N/A Hamilton prop not installed								
29	CF56-12	N/A engine not installed								
30	CF56-11	N/A Mod 3/731 previously carried out								
31	CF56-08	Previously carried out								
33	CF56-03	N/A by serial number								
33	CF55-06	N/A engine not installed								
34	CF55-03	N/A by serial number								
35	CF54-09	N/A by serial number								
36	CF54-07	Previously carried out								
37	CF54-04	Previously carried out								
38	CF54-03	N/A by serial number								
39	CF53-16	N/A by serial number								
40	US2005-25-08	N/A Shadin Air Data Computer not installed								
41	US98-18-08	N/A Lutton STC no SA3777NM not installed								
42	US99-11-02	N/A P&W radial not installed								
Front Fuselage										
1	Repaint aircraft	Aircraft paint stripped and repainted. Metal prepped, primed (epoxy primer). Weight and balance carried out ok								
2	Install wings	LH & RH wings installed in accordance with HC-3 MM paragraph 2-14-2 page 29. All bolts safetied and parts re-assembled onto wing, wing fence, lights wing tips.								
3	Install and rig aileron system	Independent check carried out ok Control column in accordance with DHC-3 MM paragraph 2.22 page 37 & 38 and rigged in accordance with DHC-3 MM paragraph 2.23 page 39 & 41. Function and travel checked ok								
4	Install flap system and rig	Independent check carried out ok LH wing inboard flap rod end in wing replaced, re-connected flap lines to reservoir and installed all flap control surfaces in accordance with DHC-3 MM paragraph 2.16 page 31 & 32. Travel and function checked ok								
5	Install vertical fin and horizontal stab	Independent check carried out ok Vertical fin and horizontal stabilizer installed in accordance with DHC-3 MM paragraph 2.27 page 53 - 55. Function and travel checked ok								
Independent check carried out ok										
15	(Brought forward) (Reporté)	Next scheduled maintenance: Prochaine maintenance planifiée:				Due: Échéance:		(hr / cycles / date)* (h / cycles / date)*		

*Delete where inapplicable — Supprimer si ce n'est pas applicable

**Total time since new — Temps total depuis neu

Maintenance			
12	Defects Défectuosités	13 Rectification	14 Signature
43	US96-15-02	N/A P&W Radial engine not installed	
44	US56-06-02	N/A Piston engine not installed	
45	CF90-19R1	N/A Hamilton propeller not installed	
46	81-13	N/A Hamilton prop not installed	
47	57-13-05	N/A Hamilton prop not installed	
48	CF81-13	N/A Prop not overhauled at Aero Propellers of Calgary Ltd.	
49	2005-14-12	N/A New bolts installed	
50	7912-04	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
51	84-10-06R1-Fuel Pump	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
52	88-12-10 - Turbine Rotor	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
53	89-07-07R1 - Oil scavenge pump assembly	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
54	93-02-01 - Stratoflex Fuel Manifolds	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
55	93-15-11 - PPC Gasket	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
56	94-26-07 - Fuel Control Drive	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
57	95-16-08 - Life Limited Turbine Comp.	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
58	97-15-10 - Inlet Ice Protection	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
59	98-12-09 - Fuel Manifold	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
60	2002-25-02 - 1 st Stage Impellers	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
61	2004-09-29 - 1 st Stage Turbine Disk	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
62	2006-14-03 - Cycle Counting	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
63	2006-15-08 - Woodward Fuel Controls	Previously carried out in accordance with Executive Aircraft Maintenance dated June 30, 2007.	
64	CR90-03R2	N/A Exhaust type heater not installed	
65	2009-17-05	N/A by SN and PN	
66	74-14-01	N/A by SN	
67	CF83-16	N/A superseded	
68	83-08-01R2	N/A bolts installed	
69	87-15-05	N/A by blade model number	
70	AD94-03-11	N/A new prop assembly installed	
71	AD95-01-02	N/A by model # and not modified by STC #SA336gl-D and no bird strike has occurred new prop installed	
72	96-18-14	N/A new prop assembly installed	
73	AD2009-10-14	N/A new prop assembly installed	
74	2009-02-78	N/A Halon extinguisher not installed	

Complete details on file at Recon Air Corporation on WO #5052

The maintenance described has been performed in accordance with the applicable airworthiness requirements.

Date: Jul 6, 10

Sign: [Redacted]

Lic #: [Redacted] AMO 69-91

6 Install elevator system and rig

Elevator control system installed in accordance with DHC-3 MM paragraph 2.25 page 44 - 46. Function checked and rigged
Independent check carried out ok

7 Install rudder system and rig

Rudder control system and rudder trim system installed in accordance with DHC-3 MM paragraph 2.24 page 42-53. Function and travel checked ok
Independent check carried out ok

Complete details on file at Recon Air Corporation on WO #4997

For Work Cards 2,3,4,5,6 & 7

Independent checks carried out

Date: Jul 6, 10

Sign: Kevin Leuenberger

Lic #: [Redacted] AMO 69-91

The maintenance described has been performed in accordance with the applicable airworthiness requirements. Second signature for Independent Check.

Date: Jul 6, 10

Sign: [Redacted]

Lic #: [Redacted] AMO 69-91

e)* Next scheduled maintenance: Due: (hr / cycles / date)* (Carry forward)
i)* Prochaine maintenance planifiée: Échéance: (h / cycles / date)* (Reporter)

FLIGHT RECORD

Date		Crew - Équipage	Journey - Route		Record of time - Fiche de temps				Other - Autre		
1	2	3	4	5	6	7	8	9	10	11	
X / M / Y	Pilot / Copilot Pilote / Copilote	From De	To À	Up Décollage	Down Atterissage	Air time Temps-air	TTSN**				
Totals brought forward Totaux reportés							22536.5				
JULY 7/10 - FAA APPLICABLE AD'S UP TO BI-WEEKLY COMPLETED											
JULY 9/10 - A/C OR-REGISTERED - NEW REGISTRATION MARKS ASSIGNED											
MAKE: DeHavilland		MODEL: DHC-3									
SERIAL NO.: 280		TOTAL TIME: 22536.5 Hrs									
I find this aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate dated 07/09/2010. Inspection requirements remain unchanged.											
[Redacted]		07/09/2010									
Bill Aldrich		Date									
DART- [Redacted] SW											
AC T-T 22,566.2 The ATC transponder tests required by para (a) and (b) of FAR 91.413, were performed on this date and found to comply with appendix F of FAR 43, and para (c), appendix E of FAR 43. Make <u>Garmin</u> Model <u>GTx327</u> S/N <u>13739363</u> Date <u>8/19/2010</u> Signature <u>[Redacted]</u> Certified Repair Station #P69R447Y											
8/20/2010 N93PC AC TT 22,566.2 Removed existing flight instruments. Installed new altimeter, airspeed indicator, and Mid Continent 4300-412 electric attitude indicator. Connected attitude indicator to main bus power through circuit breaker mounted in main bus panel. All work was done in accordance with manufacturer's installation manuals, and AC43.13-1B, and 2B. Weight and balance was updated. Pitot/Static leak checks done. [Redacted] Peninsula Aero Technology, Inc. CRS#P69R447Y											
AC TT 22,566.2 The Static system tests required by FAR 91.411 were performed on this date and found to comply with FAR 43 appendix E. Alt. S/N <u>473459</u> Date Certified <u>8/2/2010</u> Max Altitude <u>35K</u> Signature <u>[Redacted]</u> Certified Repair Station #P69R447Y											
8/20/2010 N93PC AC TT 22,566.2 Removed existing ELT system, and installed AmeriKing AK451-2 ELT system. Mounted ELT in previous location. All work was done in accordance with Artex installation manual P/N IM-451. Also AC43.13-1B, and 2B. No weight change. [Redacted] Peninsula Aero Technology, Inc. CRS#P69R447Y											
15 (Brought forward) (Reporté) Next scheduled maintenance: Prochaine maintenance planifiée: Due: Échéance: (hr / cycles / date) (h / cycles / date)											

*Delete where inapplicable — Supprimer si ce n'est pas applicable

**Total time since new — Temps total depuis ne

Maintenance		
Defects Défectuosités	Rectification	Signature
WITH RECON AIR AMO-69-91		
ED AND INSTALLED. "N93PC" (RECON AIR AMO-69-91)		

8/20/2010 N93PC ACTT 22,566:2

Installed 2 Garmin GNS430W systems. #1 GNS430W is mounted in the pilot's panel, #2 GNS430W is located in copilot's panel. Installed GPS antennas on top of front cabin area. Installed new CI121 com antennas on top of cabin. Installed new circuit breakers in new lower avionics breaker panel. Systems are connected to G600 system, and PMA7000H. System was installed in accordance with STC# SA01933LA.

All work was done in accordance with AC43.13-1B, and 2B, and manufacturer's installation manuals. Equipment list, weight and balance was updated.

Peninsula Aero Technology, Inc. CRS#P69R447Y

8/20/2010 N93PC ACTT 22,566:2

Installed Garmin GTX327 transponder, and PM7000H audio panel. Installed new circuit breakers in new lower avionics breaker panel. Connected GTX327 to G600 for altitude information, and to GNS430 for GPS speed information. Wired PMA7000H for pilot, and copilot. Installed new CI102 and CI105 antennas.

All work was done in accordance with AC43.13-1B, and 2B, and manufacturer's installation manuals. Equipment list, weight and balance was updated. Pitot/static and transponder tests were completed.

Peninsula Aero Technology, Inc. CRS#P69R447Y

8/20/2010 N93PC ACTT 22,566:2

Installed Garmin G600 system. GDU620 is mounted in the pilot's panel, GRS77 and GDC74A are located on rear avionics shelf. GMU44 is located in left wing tip. Installed new circuit breakers in new lower avionics breaker panel. System is connected to both GNS430Ws, and PMA7000H. System is TAWS-B activated. System was installed in accordance with STC# SA02153LA.

All work was done in accordance with AC43.13-1B, and 2B, and manufacturer's installation manuals. Equipment list, weight and balance was updated. Pitot/static and transponder tests were completed.

Peninsula Aero Technology, Inc. CRS#P69R447Y

ACTT 22,611.8 Hobbs 0075.3

Engine TSO 0075.3, Prop TSO 0075.3, Cycles 26

I certify this Aircraft has been inspected I.A.W. an annual/ 800 hour inspection (Phases 1-4 including calendar and special insp. items) Per Rediske Air, Inc. DHC-3T AAIP dated 2/11/2011 All discrepancies on form RA101A complete. AD's checked thru 2011-12. See records for signoffs.

Aircraft approved for return to service. 6/17/2011

Aircraft is now placed on AAIP

Dale L Heck

A&P-IA

e) Next scheduled maintenance: Due: (hr / cycles / date)* (Carry forward)
) Prochaine maintenance planifiée: Échéance: (h / cycles / date) (Reporter)

Maintenance

Defects
Défectuosités

13

Rectification

14

Signature

3/11/2013 ACTT 22812-1 Hobbs 275.6 2 New Aircraft Batteries installed
S.N. G02757163 & G02686797 Batteries were fully charged

ACTT 22,831.8 Hobbs 0295.3

Engine TSO 0295.3, Prop TSO 0295.3, Cycles

I certify this Aircraft has been inspected I.A.W. a 50 hour inspection
phase 2,3,&4 Per Rediske Air, Inc. DHC-3T AAIP dated 2/11/2011
All discrepancies on form RA101A complete. AD's checked thru
2013-11. See records for signoffs.

Aircraft approved for return to service 6/13/2013

Dale L Heck

A&P-

IA

Next scheduled maintenance:
prochaine maintenance planifiée:

Due:
Échéance:

(hr / cycles / date)*
(h / cycles / date)*

(Carry forward)
(Reporter)