

The Standard

AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Built by Robert E. Chapman
Manufacturer Golden Circle Aircraft (kit) Model T-Bird II
Serial 10119 Registration Number N204BC
Date of Manufacture June 30, 2002

Engine(s) currently installed:

Manufacturer Rotax Model 582 Serial 5438035
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Warp Drive Model 2 Blade
HUB Model _____ Serial _____ Serial _____
Blade Model — Serial C11844 Serial — Serial —
Blade Model _____ Serial _____ Serial _____ Serial _____

First Flight 8/2/02 - 0.6 hrs - rigging OK per Builder

Registered Owner Record

[illegible]

- ④ This aircraft was constructed from kit components manufactured by Golden Circle Aircraft of DeSoto IA. Construction was begun on 11/26/01 and completed on 6/30/02. The homebuilder performed all assembly and minor parts manufacture which amounted to greater than 50% of the total work required to build this airplane. [REDACTED] 6/3/02

I find that the aircraft meets the requirements for the certification requested and I have issued a SPECIAL airworthiness certificate dated 7/26/02. The next inspection is due 7/26/03.

Harry E. McClure

DAR [REDACTED]

- ⑤ I certify that the prescribed flight test hours have been completed and this aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation. Speeds V_{SO} 35 V_X 45 V_{NE} 80 and V_Y 53 at 915 lbs with the CG at -26.44 from the datum line. [REDACTED] 10/18/2003

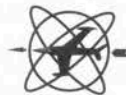
[illegible]

YEAR: 2002 DATE	RECORDING TACH TIME	TODAYS FLIGHT operation	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6/29	—	.6	.6	Engine run in full
6/30	—	.6	1.2	Engine run in - adjustments made to correct instrument deficiencies - the inventoryed coolant temp (high) full
7/1		.5	1.7	Taxi tests - This section will record engine time:
8/4	0.1	2.1	3.8	7/7 - .5, 7/21 - .6, 7/28 - .4, 8/2 - Flight .6, Hour meter installed 0.1 test - no engine time
10/19	7.1		11.0	Propeller pitch checked and reset, General Lubrication of all hinges, pin bearings [REDACTED] Builder
3/ /03	(error) 655.6		14.7	BRS parachute mounted on airframe - new w/ Balance performed as noted for this date [REDACTED] Builder
Note - Master				Left on - subtract 640.3 from total time <u>recd</u>
6/21/03	658.8	.1	18.5	Replaced bent right Landing gear leg - test flew no problems noted RE - Builder

[illegible]

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
				ENGINE FUEL LINES REPLACED IN MAY 1970K Gene Frost
				PERIOD FM 10-31-09 TO 02-15-17 INSTALLED AND TESTED THE FOLLOWING: NEW 11.5 GAL FUEL TK + SENDING UNIT NEW LDG. GEAR MAIN + NOSE WH. INSTALLED TIRE TEST NEW/REBUILT WHEELS AND BRAKES W/INDV BRAKING, STEERABLE REMOVED BRS. (CAUSES OVERHEATING ISSUES) MADE "NEW" ALIRONS + INSTALLED FLAPS W/TH BREAKER AND INDICATOR MARKED 10-15-50 REPLACED THE FABRIC NEW " " WITH NEW BATTERY " " REPLACED ANNUALLY ALL FUEL LINES. - Ran up EV. 25-35 DAYS. By owner

[illegible]



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer Bombardier Rotax Model 582
Serial 5438035 Type Certificate N/A
This engine is currently installed in aircraft T-Bird II - homebuilt : N204BC
Minimum Octane Fuel 93 Oil Grade: Summer 2 stroke oil Winter oil injection
Magnetos Time _____ Point Setting _____ Firing Order _____
Spark Plug Gap .02"
Manufacturer recommended overhaul at 300 hours

Registered Owner Record

Name	Robert E. Chapman	Address	[REDACTED]	
City	Newport News	State	VA	From 11/26/01 To
Name		Address		
City		State		From To
Name		Address		
City		State		From To
Name		Address		
City		State		From To
Name		Address		
City		State		From To
Name		Address		
City		State		From To

YEAR: 2002	RECORDING TACH TIME	TODAY'S FLIGHT <i>operation</i>	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
6/29	0 (wax)	.6	0.6	Engine Run-in - [REDACTED]
6/30		1.2	1.2	Engine Run-in, adjusted to correct inch between [REDACTED]
7/1		.5	1.7	Taxi Test
7/5		.5	2.2	Taxi Test
7/21		.6	2.8	Taxi Test
7/28		.4	3.2	Taxi Test
8/2		.6	3.8	First Flight
8/4	0.1	-	3.8	Hour meter installed - tested elec. no time on engine.
10/4	7.1		11.0	Adjusted propeller pitch [REDACTED] Builder
11/2	9.4	.2	13.3	Replaced EGT probes & wiring [REDACTED] Builder
11/3	9.4	-	13.3	Replaced defective throttle cable [REDACTED] Builder
3/22/03	655.0	-	14.7	Replaced gear lube ✓ [REDACTED]

YEAR: 2003	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
				Note - Tach time is incorrect due to Master Switch / left on
8/16/03	665.3	-	25.0	Plugs replaced - engine inspected - magnets checked This Period of history UNKNOWN TO NEW OWNER N/A
9-30-03	665.5	N/A	25.5	
10-31-03	666.7	1	26.2	
11-29-03	667.5		26.7	
01-21-04	668.8		27.2	
02-14-04	669.6		28.8	
03-28	670.5	N/A	29.7	
04-24	671.6	N/A	30.8	AK in long term storage Run up completed
05-29	672.2	1	31.4	Reguarly every 30-45 days
06-27	673.2	1	32.7	Owner in f.s.

YEAR: 2010	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	673.2	N/A	32.4	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
07-25-10	673.7		32.9	Average Run time 30 min + or -
08-28	674.2		33.3	Temps were normal Cool down 30 min
10-10	674.7		33.8	
11-28	675.2		34.2	
12-25	675.7		34.7	
02-6-2011	676.2		35.2	
03-27	676.7		35.7	
04-24	677.2		36.2	
05-28	677.7		36.7	
06-29	678.2		37.2	INSTALLED NEW 12 GIL ALUMINUM TR. - NO CHG IN
07-30	678.7		37.7	LOCATION IN A/F NOR WT, NO C of G Chg - RAN up
				AND TAXI TEST AND CUD FOIL LETTERS. OWNER.

YEAR: 2011	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	678.2	N/A	37.7	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-13	678.7		38.2	Carry over from previous pg
9-25	679.2		38.7	Taxied & Run up to ck for leaks
11-30	679.7		39.2	
1-8-12	680.2		39.7	NEW YEAR.
2-19-	680.7		40.2	
3-25	681.2		40.7	
4-28	681.7		41.2	
5-29	682.2		41.7	Replaced LDG GR, FM T/W to TRI cycle w nose wheel.
6-30	682.7		42.2	Full Suspension. ALL Chron-Meter 4130; All New
continued on next page				Hyd. ALC Brakes; ReBUILT AND installed; New C of G.
				Required; AND Phase II fly off. ① Apply for New
				TEST FLT AREA. MA. Due to Mgt. DATE. ① NOT REQ. Due
				TO DATE OF
				MFG!

int. log

YEAR: 2012	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	682.7	N/A	42.2	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-22	1090.7	N/A	42.7	Batt switch accidentally left on
8-27	1091.2		43.2	from last month
9-25	1091.7		43.7	
10-28	1092.2		44.2	
11-23	1092.7		44.7	
12-26	1093.2		45.2	
1-12	1093.8		45.8	NEW YEAR 2012 Engine winterized sta-6
				Run up to normal temps with normal
				cool down
6-10-12	1094.5		46.5	1st run up since Jan.
7-15-12	1095.1		47.1	Monthly run ups to normal checks

YEAR: 2012 DATE	RECORDING TACH TIME	TODAY'S FLIGHT N/A	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-19	1095.8		47.8	
9-9	1096.3		48.3	
10-16	1096.8		48.5	
10-18	1097.4		49.4	
12-16	1098.4		50.0	Added Sta-bil to comp. fuel system Winterized & run up to normal temps
1-20-13	1098.2		50.3	New year 2013 Run up today for 45 min. with fresh gas Run up engine to stabilize for 2 min. then shut down every 25-30 days
3-30-16	1101.4		53.4	Ran out fuel & replaced & replaced fuel

YEAR: 2014	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	1101.4	NA	53.4	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-15-14				Drained stabil - Replaced fresh gas oil. Run up to normal temps for 2 min.
				1 d/c @ 2200 RPM for 1 min.
				Shutdown
				Run up same procedure 25-30 min
8-20	1103.4		55.4	Each month during summer & up grade Eng
4-2-14	1103.7		55.7	Repeated winterizing with stabil for
				winter
3-18-15	1104.1		56.1	Repeated de winterizing procedure
				Run up procedure this year every 30
				for 3.4 duration and cool down
10-21-15	1105.9	N/A	57.9	Shutdown completed at this time

YEAR: 2016	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	1105.9	N/A		
3-16	1106.2		58.2	De-winterized & completed run up with fresh fuel & oil Resumed monthly run ups 10-15 min. average Run times from present til fall season
10:30	1107.9		60.1	Repeated winterization procedure with Eng. Fos Wt 6 BAL. CK'S - will be, for upcoming 5 hr fly off
	New Year	YEAR		
15-18	1108.2		60.4	De-winterization - normal procedure with
30-18			61.1	fresh fuel & oil
10-1-18			61.4	changed oil from Pennzoil to Lucas
10-22-18			61.8	installed new prop blade & tapered to spec. - did run up
11	1110.0		62.2	Compression TEST / COLD 130 / 130 HOT 115 / 120 VERY GOOD!
12	1110.0	N/A	62.5	LAST Run up This Year (year) COLD! CFS
15	1110.5			changed BATTERY UP!

YEAR: 2017 DATE	RECORDING TACH TIME 1110.5	TODAY'S FLIGHT NA	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-18	1110.8		62.8	- Run up: short taxi on Ramp C57
2-5	1111.1		63.1	Runs up only
02/15/2017	1111.1		63.1	Compression check #1-115. #2-120 I certify this engine has been inspected in accordance with the scope & detail of FAR part 43 appendix D and was found to be in condition for safe operation.
				 ATP 
03-18				- REPLACED TACK - LEFT BATT SW. ON !

YEAR: 2017 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
03-20	63.1	NA	.4	Run up.
04-23	63.5	NA	.3	
05-15	63.8	NA	.4	
06-22	64.2	NA	.5	INSTALLED NEW A/S IND. AND TACKOMETER & TAXI
07-03	64.7	1.0	65.7	LCL TRAFFIC PTN WK ONLY FOR 5 HR Req.
07-04	65.7	1.0	66.7	NEW TACK READING - HAD TO REPLACE TACK
07-08	66.7	1.0	67.7	AGAIN! - WIRED SO THAT TACK ONLY WORKS
07-10	67.7	.9	68.6	"WHEN STROBES ARE ON!!
07-14	68.6	1.1	69.7	ACTUAL TIME IN SERVICE IS NOW TACK + 69.7
07-17	69.7	1.0	70.7	