

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N65 NE

Engine Manufacturer Lycoming

Model I.O.-360-B1D

Serial No. L-20923-51A

Date installed on aircraft Mar. 10, 2009

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

- Right Left
 Front Rear



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. Engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. # 28249 DATED 02/10/2009
MFG. Lycoming MODEL IO-360-B1D
Serial No. L-20923-51A Time in svc. 3703:0
O.S.M.O.H.

Zephyr Aircraft Engines, Inc.
Municipal Airport
39320 B Avenue Zephyrhills, FL 33542

F.A.A. APPROVED REPAIR STATION #VI 4R597M

Authorized Signature

N65NE
S/N 023, Republic Twin SeaBee
ENGINE Make/Model: Lycoming IO-360-B1D

Hobbs: 422.0 AFTT: 1556.0
Heater Hobbs: 76.4
S/N: L-20923-51A
28 Apr 2009

Compression: #1- 74, #2- 74, #3- 71, and #4- 74.
Drain oil. Remove, cut, inspect & install new oil filter. Service with 8 qts. Phillips 20W50 XC oil.
Service spark plugs. Check mag timing. Install JP Instruments FS450-F-M TSO'd Fuel Flow system, s/n 11029, with 2 each new transducers, s/n 174650 on the [redacted] & s/n 174651 on the RH engine; K factor for both set at 29.95. Comply with AD2003-14-03 Rotary Fuel Pumps by inspection, no leaks observed; [redacted]
Comply with AD2008-14-07, Fuel injector lines & clamps; by inspection, [redacted]

Amphibians Plus 863-534-8025

Christopher Shannon A&P [redacted]

DATE: **28 Apr 2009** Hobbs: **422.0** AFTT: **1556.0** EngTT: **3703.0** EngTTSMOH: **31.4**
I certify that this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

Harry Shannon A&P [redacted]

SUB-TOTALS this page

TOTALS-Carry forward to next page

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Line Nur
04E001

DATE

N65NE
S/N 023, Republic Twin SeaBee
LEFT ENGINE Make/Model: Lycoming IO-360-B1D

Hobbs: 3545.0 Flight: 2424.0
15 June 2018
S/N: L-20923-51A

Compressions #1 = 78, #2 = 78, #3 = 74, and #4 = 79
Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts.
Phillips 20W50 XC Oil. Check mag timing. Service spark plugs.
Comply with **AD2003-14-03 Rotary Fuel Pumps**; by inspection, no leaks observed; **next due Hobbs 3595.0, Flight 2474.0 or December 2018, whichever occurs 1st**. Comply with **AD2015-19-07, Fuel injector lines & clamps**; by inspection, **due next 100 hr**. **Inspection or line service.**

Amphibians Plus LLC 863-534-8025

DATE: **15 June 2018** Hobbs: **3545.0** Flight: **2424.0** EngTT: **5685.8** EngTTSMOH: **2013.4**
I certify that this **ENGINE** has been inspected in accordance with a **100 hr** inspection and was determined to be in an **AIRWORTHY** condition.

Christopher Shannon A&P

Amphibians Plus 863-534-8025

Christopher Shannon A&P

N65NE
S/N 023, Republic Twin SeaBee
LEFT ENGINE Make/Model: Lycoming IO-360-B1D

Hobbs: 3598.8 Flight: 2476.1
1 Oct 2018
S/N: L-20923-51A

Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts.
DATE: **1 Oct 2018** Hobbs: **3598.8** Flight: **2476.1** EngTT: **5793.4** EngTTSMOH: **2121.0**
I certify that this **ENGINE** has been inspected in accordance with a **ANNUAL** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

Harry Shannon A&P

N65NE
S/N 023, Republic Twin SeaBee
LEFT ENGINE Make/Model: Lycoming IO-360-B1D

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
S/N: L-20923-51A

Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts.
Phillips 20W50 XC Oil. Remove leaking Crane/Lear Rotary fuel pump Model RG17980J/M, s/n C-7100 & install replacement fuel pump p/n RG17980J/M, s/n 32206, overhauled by Consolidated Aircraft Supply Co., Inc., FAA CRS # G11R167K, on Work Order 7886, dated 29 Dec 2018; leak check installation, no leaks found.
Comply with **AD2003-14-03 Rotary Fuel Pumps**; by inspection, leaks; replace fuel pump, see above log entry; **next due Hobbs 3695.5, Flight 2576.1 or June 2019, whichever occurs 1st**.

Amphibians Plus LLC 863-534-8025

Christopher Shannon A&P

N65NE
S/N 023, Republic Twin SeaBee
LEFT ENGINE Make/Model: Lycoming IO-360-B1D

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
S/N: L-20923-51A

DATE: **23 Jan 2019** Hobbs: **3645.5** Flight: **2521.2** EngTT: **5786.3** EngTTSMOH: **2113.9**
I certify that this **ENGINE** has been inspected in accordance with a **100 hr** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

Christopher Shannon A&P

Hobbs: 3683.8 Flight: 2558.2
21 Feb 2019
S/N: L-20923-51A

DATE

N65NE
S/N 023, Republic Twin SeaBee
LEFT ENGINE Make/Model: Lycoming IO-360-B1D

Compression: LH engine - #1- 74, #2- 74, #3- 77, and #4- 73.
Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts.
Phillips 20W50 XC Oil.

Comply with AD2003-14-03 Rotary Fuel Pumps; by inspection, leaks; replace fuel pump, see
above log entry; next due Hobbs 3695.5, Flight 2576.1 or June 2019, whichever occurs 1st.

[Redacted Signature]

Harry Shannon A&P [Redacted]

Amphibians Plus LLC 863-534-8025

N65NE
S/N 023, Republic Twin SeaBee

Hobbs: 3598.8 Flight: 2476.1

DATE: 1 Oct 2018 Hobbs: 3598.8 Flight: 2476.1 PropTTSN: 2367.5 PropTTSOH: 689.2
I certify that this **PROPELLER** has been inspected in accordance with a **Annual** inspection and
was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

Harry Shannon A&P [REDACTED] A

Christopher Shannon A&P 3284332

N65NE
S/N 023, Republic Twin SeaBee

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
Hub S/N: BC582B

LEFT Propeller Make/Model: Hartzell HC-C2YK-2RBF/F7666B-2
Blade S/N: #1 - L44848, #2 - L44849,

Dress & lube prop.

Amphibians Plus 863-534-8025

Christopher Shannon A&P [REDACTED]

N65NE
S/N 023, Republic Twin SeaBee

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
Hub S/N: BC582B

LEFT Propeller Make/Model: Hartzell HC-C2YK-2RBF/F7666B-2
Blade S/N: #1 - L44848, #2 - L44849,

DATE: 23 Jan 2019 Hobbs: 3645.5 Flight: 2521.2 PropTTSN: 2360.4 PropTTSOH: 682.1
I certify that this **PROPELLER** has been inspected in accordance with a **100 Hr.** inspection and
was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

Christopher Shannon A&P [REDACTED]



N65NE

Lycoming Engine

Model: IO-360-B1D

Engine S/N. L-123218-51A

Engine Time since Major Overhaul

0:00

Engine Overhauled

March 9, 2016

Under W.O. 29048

Done By

Zephyr Aircraft Engines Inc.

CRS # VI4R597M

39320 B Avenue

Zephyrhills, Florida 33542

Phone 813-788-3305

Fax 813-788-4412

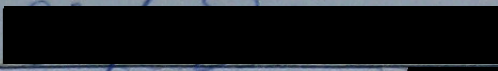
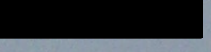
DATE

N65NE
S/N 023, Republic Twin SeaBee
RIGHT ENGINE Make/Model:

Hobbs: 3499.7 Flight: 2379.9
13 Apr 2018
S/N: L-23217-51A

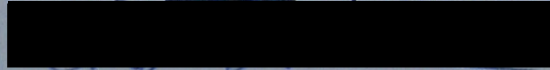

Compression: #1 = 76, #2 = 78, #3 = 76, and #4 = 76
Check mag timing. Service spark plugs. Forward baffle cracked at top; cut out bad section, fabricate stiffener, fit, drill, etch, alodine, prime & paint stiffener, install stiffener & baffle. Replace Bracket air filter element with new p/n BA2205L element.
Comply with **AD2003-14-03 Rotary Fuel Pumps**; by inspection, no leaks observed; **next due Hobbs 3549.7 Flight 2429.9 or October 2018, whichever occurs 1st**. Comply with **AD2015-19-07, Fuel injector lines & clamps**; by inspection, **due next 100 hr./annual inspection or line service.**

Amphibians Plus 863-534-8025


Christopher Shannon A&P 

DATE: **13 Apr 2018** Hobbs: **3499.7** Flight: **2379.9** EngTT: **2331.5** EngTTSMOH: **388.4**
I certify that this **ENGINE** has been inspected in accordance with a **100 hr.** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025



Christopher Shannon A&P 

N65NE
S/N 023, Republic Twin SeaBee
RIGHT ENGINE Make/Model:

Hobbs: 3545.0 Flight: 2424.0
15 June 2018
S/N: L-23217-51A

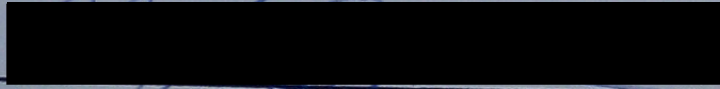

Compression: #1 = 79, #2 = 78, #3 = 78, and #4 = 79
Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. Phillips 20W50 XC Oil. Check mag timing. Service spark plugs.
Comply with **AD2003-14-03 Rotary Fuel Pumps**; by inspection, no leaks observed; **next due Hobbs 3595.0 Flight 2474.0 or December 2018, whichever occurs 1st**. Comply with **AD2015-19-07, Fuel injector lines & clamps**; by inspection, **due next 100 hr./annual inspection or line service.**

Amphibians Plus 863-534-8025


Christopher Shannon A&P 3284332

DATE: **15 June 2018** Hobbs: **3545.0** Flight: **2424.0** EngTT: **2376.8** EngTTSMOH: **433.7**
I certify that this **ENGINE** has been inspected in accordance with a **100 hr.** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025


Christopher Shannon A&P 

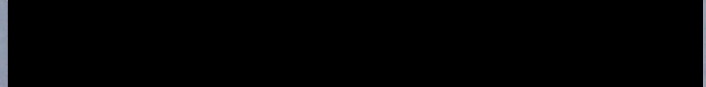
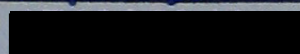
N65NE
S/N 023, Republic Twin SeaBee
RIGHT ENGINE Make/Model:

Hobbs: 3598.8 Flight: 2476.1
1 Oct 2018
S/N: L-23217-51A

Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. Phillips 20W50 XC Oil.

DATE: **1 Oct 2018** Hobbs: **3598.8** Flight: **2476.1** EngTT: **2484.4** EngTTSMOH: **541.3**
I certify that this **ENGINE** has been inspected in accordance with a **ANNUAL** inspection and was determined to be in an **AIRWORTHY** condition.

Amphibians Plus 863-534-8025

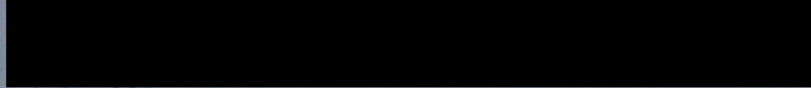
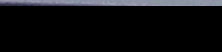

Harry Shannon A&P 

N65NE
S/N 023, Republic Twin SeaBee
RIGHT ENGINE Make/Model:

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
S/N: L-23217-51A

Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. Phillips 20W50 XC Oil.
Comply with **AD2003-14-03 Rotary Fuel Pumps**; by inspection, no leaks observed; **next due Hobbs 3695.5 Flight 2576.1 or June 2019, whichever occurs 1st**.

Amphibians Plus 863-534-8025


Christopher Shannon A&P 

No. _____

DATE _____

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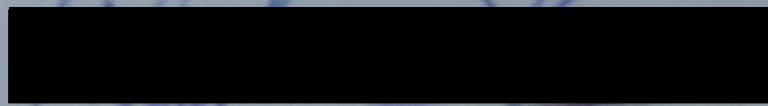

N65NE

S/N 023, Republic Twin SeaBee

RIGHT ENGINE Make/Model:

DATE: 23 Jan 2019 Hobbs: 3645.5 Flight: 2521.2 EngTT: 2477.3 EngTTSMOH: 534.2
I certify that this ENGINE has been inspected in accordance with a 100 hr. inspection and was determined to be in an AIRWORTHY condition.

Hobbs: 3645.5 Flight: 2521.2
23 Jan 2019
S/N: L-23217-51A


Christopher Shannon A&P 

Amphibians Plus 863-534-8025

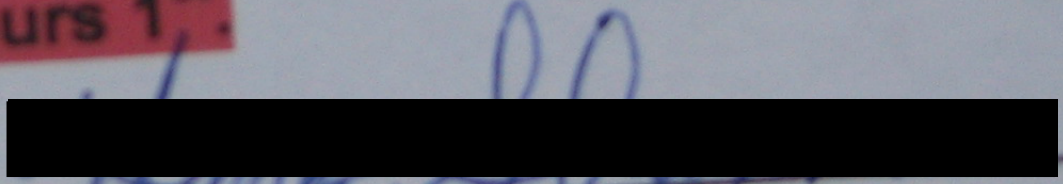
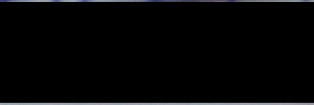
N65NE

S/N 023, Republic Twin SeaBee

RIGHT ENGINE Make/Model:

Compression: RH engine - #1- 76, #2- 74, #3- 76, and #4- 75.
Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. Phillips 20W50 XC Oil.
Comply with AD2003-14-03 Rotary Fuel Pumps; by inspection, no leaks observed; **next due**
Hobbs 3695.5 Flight 2576.1 or June 2019, whichever occurs 1st.

Hobbs: 3683.8 Flight: 2558.2
21 Feb 2019
S/N: L-23217-51A


Harry Shannon A&P 

Amphibians Plus 863-534-8025

removed tire & tube, install new tube & reinstall on aircraft. Both
 replaced with new BA2205L elements. Pilot's seat locking pin;
 locking pin. Check bilge pumps, found 1 inop; replace bilge pump
 bilge pump. Pins not holding headliner in; re-glue headliner to
 service all zerts. Remove battery, p/n RG35AXC, s/n 40768817 &
 battery, s/n 40904916. Corrosion to the right of mixture; remove
 paint. Check for hydraulic leak; inspect hydraulic power pack
 Both pilot's brake master cylinders leaking; replace o-rings. LH
 T7512-12 lamp. Keel leak; clean area & reseal.
 on of Lift Strut fittings; by inspection for corrosion per AD, none
 found; **next due Hobbs 3623.8, Flight 2501.1 or April 2019, whichever occurs 1st LEFT**
 Ignition Switch; due Hobbs: 4145.0, Flight 3104.0. **RIGHT**
 Ignition Switch; due Hobbs: 4145.0, Flight 3104.0.

Hobbs: 3499.7 Flight: 2379.9
 13 Apr 2018

Christopher Shannon A&P 3284332

ELT Battery Expire: December 2021

Inspected in accordance with a 100 hr. Inspection and
 was determined to be in an AIRWORTHY condition.

Christopher Shannon A&P 3284332

place rub block. LH IB brake linings need replace; replace
 Replace brake linings on RH main gear with 66-106 brake
 new 7.00x6 8 PR Goodyear Flight Custom III tire. Rotate
 nose; insert pins & add Velcro, needs new zipper with
 low; remove gauge p/n 18U1000, s/n 08044 & install
 Lift Strut fittings; by inspection for corrosion per AD, none
 found; **next due Hobbs 3670.5, Flight 2546.2 or June 2019, whichever occurs 1st LEFT**
 Ignition Switch; due Hobbs: 4145.0, Flight 3104.0. **RIGHT**
 Ignition Switch; due Hobbs: 4145.0, Flight 3104.0.

Hobbs: 3545.0 Flight: 2424.0
 15 June 2018

Christopher Shannon A&P

ELT Battery Expire: December 2021

Inspected in accordance with a 100 hr. Inspection and
 was determined to be in an AIRWORTHY condition.

Christopher Shannon A&P

LCO
 FT SERVICES
 S/N: 023 FT: 2400.9
 per/lower strut attachments. No corrosion/cracks

N65NE
 S/N 023, Republic Twin SeaBee

Hobbs: 3598.8 Flight: 2476.1
 1 Oct 2018

RH main gear tire worn; remove tire & install new 700x6 8PR Flight custom III tire. Pitot static
 line in wings brittle; replace pitot & static lines in wings with 1/4 Polypenco line; leak check, no
 leaks observed. Visual tail, no discrepancies found. Service LH main gear oleo with Nitrogen.
 Comply with **AD52-23-03 Inspection of Lift Strut fittings**; by inspection for corrosion per AD, none
 found; **next due Hobbs 3623.8, Flight 2501.1 or April 2019, whichever occurs 1st LEFT**
Engine AD93-05-06 ACS Gerdes Ignition Switch; due Hobbs: 4145.0, Flight 3104.0. RIGHT
Engine AD93-05-06 ACS Gerdes Ignition Switch; due Hobbs: 4145.0, Flight 3104.0.

Amphibians Plus LLC 863-534-8025
 Christopher Shannon A&P

ELT Battery Expire: December 2021

DATE: 1 Oct 2018 HOBBS: 3598.8 Flight: 2476.1 ELT Battery Expire: December 2021
 I certify that this AIRFRAME has been inspected in accordance with a ANNUAL inspection and
 was determined to be in an AIRWORTHY condition.

Amphibians Plus LLC 863-534-8025
 Harry Shannon A&P

Comply with **AD52-23-03 Inspection of Lift Strut fittings**; by inspection for corrosion per AD, none
 found; **next due Hobbs 3647.3, Flight 2523.9 or May 2019, whichever occurs 1st**

Amphibians Plus LLC 863-534-8025
 R.B. Mount A&P

ELT Battery Expire: December 2021

N65NE
 S/N 023, Republic Twin SeaBee

Hobbs: 3645.5 Flight: 2521.2
 23 Jan 2019

Stop drill crack in LH horizontal stabilizer. Stop drill crack in skin at rivet at lower LH rudder horn.
 Ops check bilge pumps, good. RH aileron OB bushing has play; fabricate new bushing, install &
 tighten to reduce play. LH aileron both bushings have play; fabricate & install new bushings &
 tighten to reduce play. Lube engine controls. Replace OB brake linings on both main gear
 wheels. RH engine cowl door cracked; fabricate patch, install sealing with 3M 5200.
 Comply with **AD52-23-03 Inspection of Lift Strut fittings**; by inspection for corrosion per AD, none
 found; **next due Hobbs 3670.5, Flight 2546.2 or June 2019, whichever occurs 1st LEFT**
Engine AD93-05-06 ACS Gerdes Ignition Switch; due Hobbs: 4145.0, Flight 3104.0. RIGHT
Engine AD93-05-06 ACS Gerdes Ignition Switch; due Hobbs: 4145.0, Flight 3104.0.

Amphibians Plus LLC 863-534-8025
 Christopher Shannon A&P

ELT Battery Expire: December 2021

DATE: 23 Jan 2019 HOBBS: 3645.5 Flight: 2521.2 ELT Battery Expire: December 2021
 I certify that this AIRFRAME has been inspected in accordance with a 100 hr. Inspection and
 was determined to be in an AIRWORTHY condition.

Amphibians Plus LLC 863-534-8025
 Christopher Shannon A&P

1-26-19

Thoubt shoot low hydraulic pressure. Remove
 Gear/Flap/ HAND PUMP ASSY. Clean Reservoir AND
 clean pressure relief valve assy. Ops check
 OK. Install in aircraft. Conduct 5 fault free gear
 AND Flap cycles.

ZEPHYR
 Aircraft
 Model: 10-300-B1D
 SN: L-12318-51A
 Time since Major Overhaul: 0:00
 Engine Overhauled: March 9, 2016
 Under W.O. 2904
 Done By: Zephyr Aircraft Engine
 CR: 1148197
 3120 B Ave
 Zephyrville, Pa
 Phone: 813-781-7000
 Fax: 813-781-7000