

## ENGINE MAINTENANCE RECORDS

	LOG NO
Aircraft Registration No. N6.5 NE	
Engine Manufacturer Lycoming	*
Model	
Serial No. <u>L-20923-51A</u>	
Date installed on aircraft	
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

DAT	E	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORME SIGNATURE & CERTIFICATE NO. OF PERSON PER	
					TOTALS brought forward from previous page	
	by Ze manu cürrer list su	ephyr Airo facturer's nt overhau oplied. A c	eraft Engine instructions Il manual. E description d	es, Inc. Eng s. All steel pa ngine test ru	bed hereafter has been overhauled to manufacturer's rigine disassembled, cleaned, and inspected in active arts magnafluxed. Reassembled in accordance with in. All applicable Airworthiness Directives are in compliairs is on file at this agency under:	cordance wi manufacturer
	W.O. 7	·	249		DATED02/10/2009	
	MFG.	Ly	coming		MODEL 10-360-B1D	
	Serial	NoL	-20923-	51A	Time in svc. <u>3703: o</u> O:S.M.O.H.	·
					Zephyr Aircraft Engine Municipal Airport 39320 B Avenue Zephyrhills,	
	F.	A.A. APPROV	ed repair statio	ON #VI 4R597M	. Authorized Signature	
	,					
			1			
		N65N S/N 0	23, Republic	: Twin SeaBe ake/Model: L	Hobbs: 422.0 AFTT: 15 ee Heater Hobbs: ycoming IO-360-B1D S/N: L-20923 28 Apr 2	76.4 -51A
		Drain Service syster the RI by ins	oil. Remove ce spark plug m, s/n 11029 H engine; K pection, no l	, cut, inspect gs. Check ma l, with 2 each factor for bo eaks observe Comply	#3-71, and #4-74. & install new oil filter. Service with 8 qts. Phillips 20W50 > 10 timing. Install JP Instruments FS450-F-M TSO'd Fuel Filter transducers, s/n 174650 on the 18 square & s/n 174015 set at 29.95. Comply with AD2003-14-03 Rotary Fueled;  with AD2008-14-07, Fuel injector lines & clamps; by inspector files & clamps; by inspector files & clamps.	ow 651 on Pumps
: 6		DATE I certif	: 28 Apr 20 fy that this E	09 Hobbs: 4 NGINE has b	<b>122.0</b> AFTT: <b>1556.0</b> EngTT: <b>3703.0</b> EngTTSMOH: <b>31.</b> een inspected in accordance with an <b>ANNUAL</b> Inspection	<u>4</u> and
ie F		was d	etermined to	be in an AIF	RWORTHY condition.	
ys tio		- Amph	ibians <i>Plus</i> 	863-534-802	25 Harry Shanron A&P	
e <b>v</b>						
Jui					SUB-TOTALS this page	
Nut					TOTALS-Carry forward to next page	

101E001

Page No. N65NE DATE S/N 023, Republic Twin SeaBee EFT ENGINE Make/Model: Lycoming IO-360-B1D Hobbs: 3545.0 Flight: 2424.0 Compressions #1 = 78, #2 = 78, #3 = 74, and #4 = 79Compressions #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. 15 June 2018 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 S/N: L-20923-51A 19-07, Fuel injector lines & clamps; by inspection, due next 100 br Comply with AD2015-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 br determined to be in an AIRWORTHY condition. 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 Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. 1 Oct 2018 S/N: L-20923-51A 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** In was determined to be in an AIRWORTHY condition. Amphibians Plus 863-534-8025 Harry Sharmon 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 Drain oil. Remove, cut, inspect & install new AA48110-2 Tempest oil filter. Service with 7 qts. S/N: L-20923-51A 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 # GI1R167K, 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 1 Amphibians Plus LLC 863-534-8025 Christopher Shannon A&P N65NE Hobbs: 3645.5 Flight: 2521.2 S/N 023, Republic Twin SeaBee 23 Jan 2019 LEFT ENGINE Make/Model: Lycoming IO-360-B1D 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

DATE

S/N 023, Republic Twin SeaBee S/NUZJ, SINE Make/Model: Lycoming IO-360-B1D Hobbs: 3683.8 Flight: 2558.2

21 Feb 2019

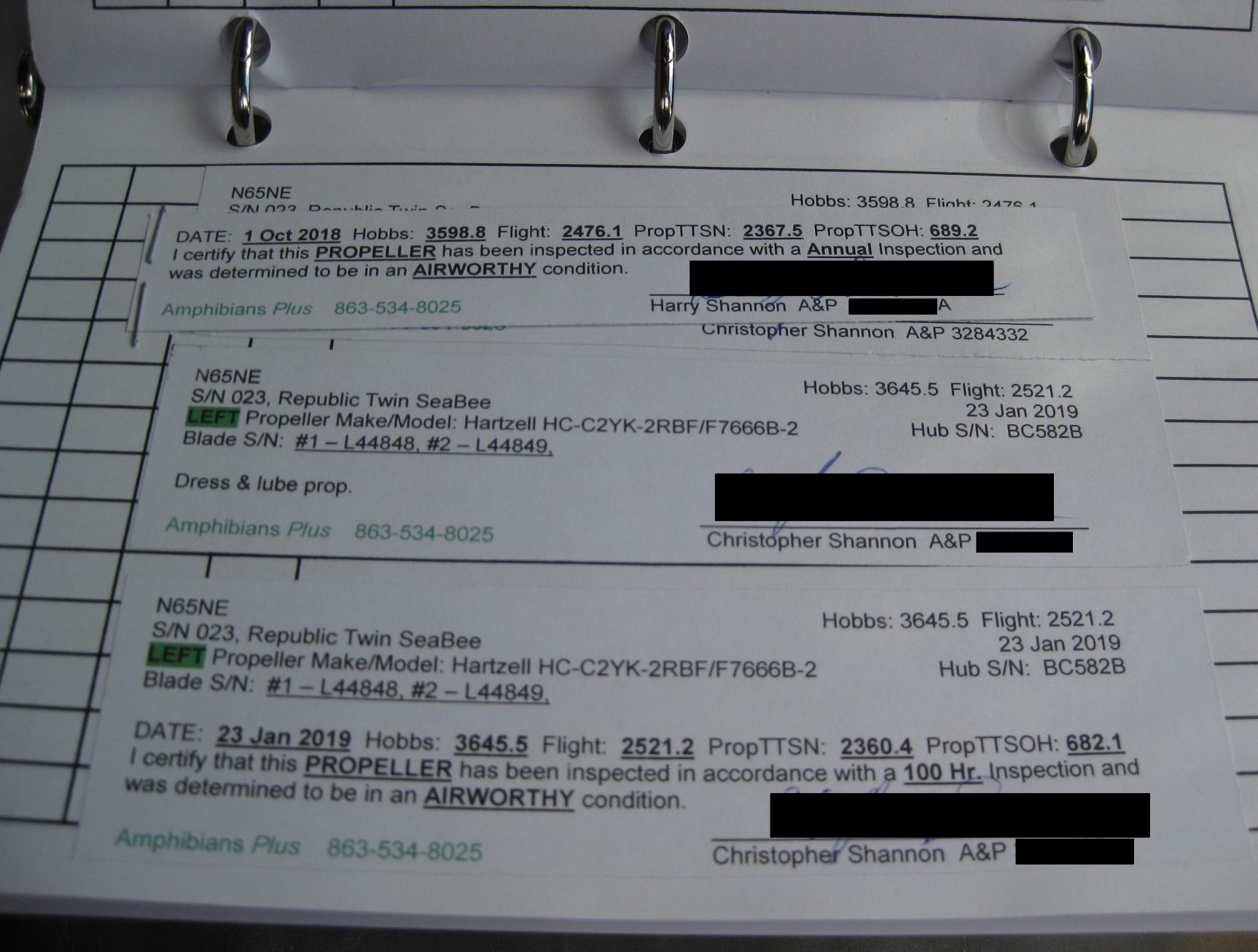
S/N: L-20923-51A

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.

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

Harry Shannon A&P





## 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	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF SIGNATURE & CERTIFICATE N	F WORK PERFORMED— NO. OF PERSON PERFORMING WORK			
				TOTALS brought forward from previous				
	ZEPHYR AIRCRAFT ENGINES INC. 39320 Avenue B Zephyrhills FL. 33542							
	W.O. No. 29048 (8 13) 788-3305 . FAX (813) 788-4412, Dated Mar. 9, 2016							
	W.O. No. <u>29048</u>   Dated <u>Mar. 9, 2016</u>   Mfg. <u>Lycoming</u>   Model IO-360-B1D							
	Serial N	o. <u>L-2321</u>	8-51A					
	Engine Total Time1943:1 Time since Major Overhaul0.00							
	This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits. The Engine was disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual, and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. #29048 listed above. All applicable Airworthiness Directives thru 2016-04 are in compliance. See A.D. list supplied.							
	Constitution of the Consti							
	F.A.A. API	PROVED REPA	IR STATION #					
	Authorized Signature Herman Vollrath							
	Fuel Serve Fuel Flow Fuel Pump Left Magn Right Mag Starter Mo	Divider. Divider.  Divider.  Divider.  Divider.	P/N 252 P/N 252 P/N RG1 P/N BL- P/N BL- P/N 149 M-38E	4232-2 S/N AH0062 19980J/M S/N C-1643 600614-1 S/N E15CA155R 600644-1 S/N E15OA192R	Overhauled Repaired Not Repaired X X X X X X X X			
N651			-	The San County	May 3rd, 2016			
	Time: 1992. s: 3103.2 oH:0.0	8		MAINTENANCE				
	T: 1943.1							
Right	Engine IC	)-360-B1D s/i	n: L-23218-5	1A				
Remo	ved Engine l etails)	IO-360-B1D s	s/n: L-23217-	ccordance with the scope and detail of 51A. Installed IO-360-B1D s/n: L-2321	Appendix D of Part 43" 18-51A (see Zephyr W.O 29048 fo			
Installe	ed New Oil (	on Fuel & Oil Cooler I Engine Mou		wiles.				
Install	ed New Baff			456835F				
AD200	ced air-filter 03-14-03 (rot	tary fuel pum	p) no longer	applies to OH pump p/n RG17980J/M	I			
Compl	lied with AD2	2008-14-07 (l 2 post 100br/	ycoming fuel Annual inspe	l lines and clamps) by inspection				
ADZUL	JOH I THOU WIN	S HOVE LOOKING						

Hobbs: 3499.7 Flight: 2379.9 13 Apr 2018 N65NE S/N 023, Republic Twin SeaBee S/N: L-23217-51A RIGHT ENGINE Make/Model: 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, DATE 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 Christopher Shannon A&P Amphibians Plus 863-534-8025 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. Christopher Shannon A&P Amphibians Plus 863-534-8025 Hobbs: 3545.0 Flight: 2424.0 N65NE S/N 023, Republic Twin SeaBee 15 June 2018 S/N: L-23217-51A RIGHT ENGINE Make/Model: 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 ervice. Christopher Shannon A&P 3284332 Amphibians *Plus* 863-534-8025 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 Hobbs: 3598.8 Flight: 2476.1 S/N 023, Republic Twin SeaBee 1 Oct 2018 RIGHT ENGINE Make/Model: 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&PI N65NE Hobbs: 3645.5 Flight: 2521.2 S/N 023, Republic Twin SeaBee RIGHT ENGINE Make/Model: 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 lobbs 3695.5 Flight 2576.1 or June 2019, whichever occurs 1st Amphibians Plus 863-534-8025 Christopher Shannon A&P

	TOTAL TOTAL TACHOR	Hobbs: 3645.5 Flight: 2521.2
		/, J UUI ! —
	N65NE S/N 023, Republic Twin SeaBee	S/N: L-23217-51A
	ENCINE WAKE/MOUSI.	- TCMOH 534.2
	RIGHT ENGINE	2521.2 EngTT: 2477.3 EngTTSWOTH and was
	DATE: 23 Jan 2019 Hobbs: 3645.5 Flight	2521.2 EngTT: 2477.3 EngTTSMOH: 534.2 ed in accordance with a 100 hr. Inspection and was ion.
	Leertify that this ENGINE has been inspecte	ion.
	I certify that this ENGINE has been and determined to be in an AIRWORTHY condit	Christopher Shannon A&P
		Christopher Stratification
	Amphibians Plus 863-534-8025	FU-LA 2558 2
		Hobbs: 3683.8 Flight: 2558.2 21 Feb 2019
	N65NE	S/N: L-23217-51A
	S/N 023, Republic Twin SeaBee	S/N. L-25211
	RIGHT ENGINE Make/Model:	
	Compression: RH engine - #1- 76, #2- 74, #3	3- 76, and #4- 75.
	Compression: KH engine - #15 70, #2	AA48110-2 Tempest oil filter. Service with 7 qts.
	Drain oil. Remove, cut, inspect a motor	lasks observed: next due
	Phillips 200050 AC Oil.	nps; by inspection, no leaks observed; next due whichever occurs 1, 1
	Comply with AD2003-14-03 Rotary Fuel Full Hobbs 3695.5 Flight 2576.1 or June 2019,	whichever occurs 1,
	Hobbs 3030.0 Filgitt Adio	
		- Obertal ARP
	Amphibians Plus 863-534-8025	Harry Shannon A&P
	Amphibians rius 000 00 . CC	

1 Oct 2018 N65NE S/N 023, Republic Twin SeaBee Hub S/N: BC583B RIGHT Propeller Make/Model: Hartzell HC-C2YK-2RBF/F7666B-2 S. Blade S/N: #1 - L53737, #2 - L53739, Date TSN Dress & lube prop. Christopher Shannon A&P Amphibians Plus 863-534-8025 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. Harry Shannon A&P Amphibians Plus 863-534-8025 Hobbs: 3645.5 Flight: 2521.2 N65NE 23 Jan 2019 S/N 023, Republic Twin SeaBee Hub S/N: BC583B RIGHT Propeller Make/Model: Hartzell HC-C2YK-2RBF/F7666B-2 Blade S/N: #1 - L53737, #2 - L53739, Dress & lube prop. Christopher Shannon A&P Amphibians Plus 863-534-8025 Hobbs: 3645.5 Flight: 2521.2 N65NE 23 Jan 2019 S/N 023, Republic Twin SeaBee Hub S/N: BC583B RIGHT Propeller Make/Model: Hartzell HC-C2YK-2RBF/F7666B-2 Blade S/N: #1 - L53737, #2 - L53739, 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. Christopher Shannon A&P Amphibians Plus 863-534-8025

moved tire & tube, install new tube & reinstall on aircraft. Both

PARCON elements. Pilot's seat locking pin;

bilde pur Check bilge pumps, found 1 inop; replace bilge pump Dins not holding headliner in; re-glue headliner to vice all zerts. Remove battery, p/n RG35AXC, s/n 40768817 & aint. Check for hydraulic leak; inspect hydraulic power pack 4916. Corrosion to the right of mixture; remove oth pilot's brake master cylinders leaking; replace o'rings. LH T7512-12 lamp. Keel leak; clean area & reseal. of Lift Strut fittings; by inspection for corrosion per AD, none nition Switch; due Hobbs: 4145.0, Flight 3104.0. RIGHT Hotopher Shannon A&P 3284332 Flight: 2379.0 ELT inspected in accordance with HY condition. ispection and Omistopher Shannon A&P 3284332

> Hobbs: 3545.0 Flight: 2424.0 15 June 2018

lace 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 ose; 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 24.0 or December 2018, whichever occurs 1st. LEFT on Switch; due Hobbs: 4145.0, Flight 3104.0. RIGHT on Switch; due Hobbs: 4145,0, Flight 3104.0

Christopher Shannon A&P

Flight: 2424.0 ELT Battery Expire: December 2021 spected in accordance with a 100 hr, Inspection and condition.

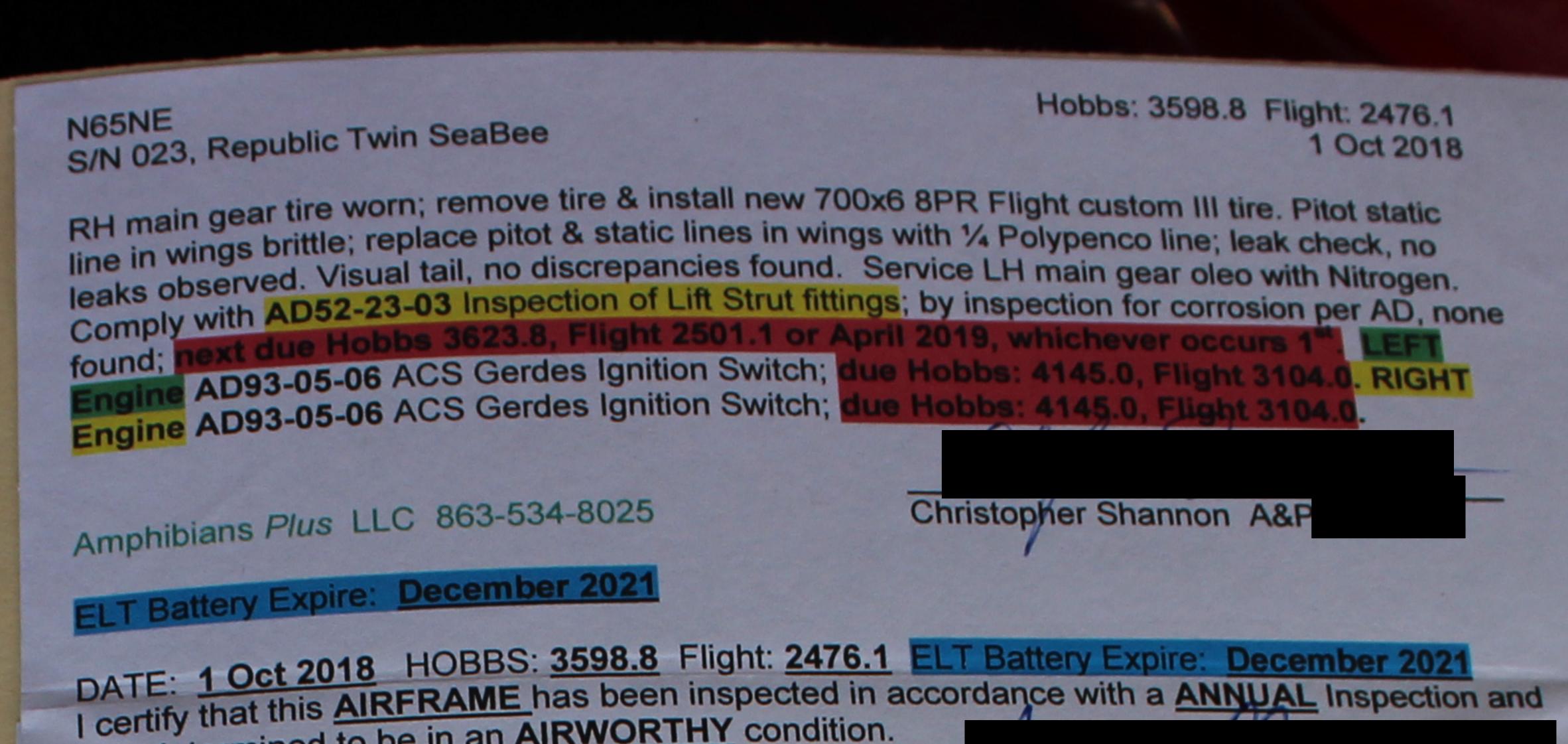
Christopher Shannon A&P

FTSERVICES

C S/N: 023

FT: 2400.9

er/lower strut attachments. No corrosion/cracks



was determined to be in an AIRWORTHY condition.

Amphibians Plus LLC 863-534-8025

Harry Shannon A&P

Comply with AU52-23-03 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 1

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 ne 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

N65NE S/N 023, Republic Twin SeaBee Hobbs: 3645.5 Flight: 2521.2 23 Jan 2019

1-26-19

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

Thouble shoot bow hideric phesson. Remove CLEAR PROSSURO. belief value ASSY. Clear Reservoic ADD clear prossuro. belief value ASSY. Ops check OK. Installin Alread. Conduct 5 fault from gons ARD FIAPCYdog.