

Maintenance completed by Cherryhill Aviation Inc.

1-3-2020 N2186U Log: Airframe Tach: 3168.3 TT: 3168.3

- Replaced Vacuum pump radial seal pn: SL-STD-208 and reinstalled pump with new gasket pn: SL8313
- Removed left and right brake cylinders to clean and reseal piston. Replaced o-rings with pn: ms28775-222 and serviced with new pads pn: RA066-10500. Serviced and bled brakes.
- Replaced pilot side window due to a crack with LP Aero LP-793125SG see 337 dated this date.
- Replace worn elevator trim shaft, trim barrel, and new bushings with parts from PMA Products, Inc. pn: CA65246-100 and CA 63530-100 and bushing part number 453-413. Elevator trim tension re set and re rigged. See 337 dated this date
- Replaced painted spinner and backplate with new polished spinner assembly C-3568-D retorqued per Hartzell Manual 115N
- Removed alternator noise capacitor and replaced with new pn: CA63897-006
- Repair crack on engine baffling using 2024-T3 aluminum of the same thickness by removing cracked section and splicing in new with a doubler.
- C.W. A.D. *13-02-13 using SB 1245A
- Corrosion proofed airplane with ACF 50
- Cleaned fuel filter & replaced gasket, lubed cables, checked control deflections and greased all points, checked all placards.

-ELT battery tested in accordance with FAR 91.207 par.D (1-4)

*****ELT Battery next due for replacement: 11/22/2021 Alert battery due: 11/2027 control battery due: 11/2027

*****Transponder and Static check due: 10/2021

-A.D.#79-13-03 Visual inspection per A.D. next due: 100hrs

-A.D.# 13-02-13 C.W. I.A.W. A.D. and SB 1254A next due: 7yrs/2000hrs which occurs 1st 1/2027 or 10,168 TT

-A.D.# 17-14-04 P.C.W. TSO C-53a type D hoses installed per A.D. no further action necessary

-A.D.#93-05-06 P.C.W. next due: tach: 4696.1

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Airframe in accordance with FAR 43 App. D; per owner's request; using Piper check list as additional guidance All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Dakota Garlick A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Maintenance completed by Cherryhill Aviation Inc.

1-3-2020 N2186U Log: Engine Tach: 3168.3 TT: unknown SMOH: 1123.5

- Compression #1 76/80 #2 78/80 #3 76/80 #4 78/80 #5 76/80 #6 76/80
- Replaced all 6 valve covers pn: 61247 and valve cover gaskets pn: 75906
- Replaced all 6 cylinder oil drain tubes pn: 68761, 68759, 71737, 68761, clamps pn: LW-15592-5-05, and hoses pn: STD-1821
- Replaced fuel pump pn: LW-15472 sn: 3819L0064 and gasket pn: 60096
- Installed Tanis engine preheat kit pn: TSP6CYL-2927-115. See 337 dated this date.
- Cleaned fuel screens on the sump and the electric fuel pump
- C.W. A.D.*05-12-06 snap ring impulse coupling in accordance with MSB 645 par. 1.2 - 1.4.5 X=.046
- Cleaned and gapped spark plugs

-A.D. # 05-12-06 C.W. in accordance with MSB 645 par. 1.2-1.4.5 next due: 500 hrs Tach: 3668.3

-A.D.# 04-10-14 C1 N/A no prop strike noted next due: prop strike

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Engine in accordance with FAR 43 App. D; per owner's request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Dakota Garlick A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Maintenance completed by Cherryhill Aviation Inc.

1-3-2020 N2186U Log: Prop Tach: 3168.3 TT: 3168.3 TSPOH: 1583

- Inspected for oil leaks, nicks, and operational checks. No defects noted.

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Prop in accordance with FAR 43 App. D; per owner's request; using Piper check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Dakota Garlick A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Maintenance completed by Cherryhill Aviation Inc.

7-23-2020 N2186U Log: Airframe Tach:3257.0

-Removed Stratus power part number 153510-000040 (USB charger) and installed one Garmin GSB 15 in its location. Installed second Garmin GSB 15 on the co pilot side next to the circuit breaker panel. Negligible change in weight and balance

Dakota Garlick A&P [REDACTED]

Maintenance completed by Cherryhill Aviation Inc.

1-14-2021 N2186U Log: Airframe Tach: 3336.4 TT: 3336.4

-Cleaned fuel filter, lubed cables, checked control deflections and greased all points, checked all placards.

-Serviced main struts with nitrogen.

-Installed Microkit Solutions LLC, Landing Height System model: LS-100-B, in accordance with installation instructions dated 12-9-20 rev. A3. Flight manual updated. Installed on rt inboard wing access inspection panel as a minor alteration, changes in weight is negligible.

-Tighten oil drain back hose clamps and add rubber hose to line for chafing

-Replaced vac filters with new part number ARB3-5-1 and

-removed right main fuel tank for fuel leak replaced fuel sender gasket and hoses on vent line with Aeroquip hose. Reinstalled using stainless screw kit from Trimcraft Aviation. Leak checked fuel tank.

-ELT battery tested in accordance with FAR 91.207 par. D (1-4)

*****ELT Battery next due for replacement: 11/22/2021 Alert battery due: 11/2027 control battery due: 11/2027

*****Transponder and Static check due: 10-2022

*****Registration due: 5-31-2023

-A.D.#79-13-03 Fire hazard prevention CW Visual inspection per A.D. next due: 100hrs

-A.D.# 13-02-13 Horizontal stabilator control cables P.C.W. I.A.W. A.D. and SB 1254A next due:

7yrs/2000hrs which occurs 1st 1/2027 or 10,168 TT

-A.D.#93-05-06 Ignition switches P.C.W. next due: tach: 4696.1

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Airframe in accordance with FAR 43 App. D; per owner's request; using Piper check list as additional guidance All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Lance Bartels A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Maintenance completed by Cherryhill Aviation Inc.

1-14-2021 N2186U Log: Engine Tach: 3336.4 TT: unknown SMOH: 1291.6

-Compression #1 75 #2 72 #3 72 #4 74 #5 76 #6 72/80. Borescoped cylinders with no discrepancies noted

-Cleaned fuel screens on the sump and the electric fuel pump

-Cleaned and gapped spark plugs

-Replaced intake gasket on #6 cylinder with new SL71973.

-A.D. # 05-12-06 riveted or snap ring impulse couplings P.C.W. in accordance with MSB 645 par. 1.2-1.4.5 next due: 500 hrs Tach: 3668.3

-A.D.# 04-10-14 C1 crankshaft gear and gear retaining bolt N/A no prop strike noted next due: prop strike

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Engine in accordance with FAR 43 App. D; per owner's request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Lance Bartels A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Maintenance completed by Cherryhill Aviation Inc.

1-14-2021 N2186U Log: Prop Tach: 3336.4 TT: 3336.4 TSPOH: 1751.1

-Inspected for oil leaks, nicks, and operational checks. No defects noted.

Performed propeller balance using Dynavibe system. Vibration is currently at 0.02 IPS

I certify this aircraft was inspected in accordance with an Annual inspection & completed at this date. Inspected Prop in accordance with FAR 43 App. D; per owner's request; using Piper check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

Lance Bartels A&P/I.A. [REDACTED]

I [REDACTED] have flown this aircraft and found it to be airworthy on this date.

Airworthiness Directive Compliance Record

N2186U

Page 1 of 5

AIRFRAME

Company Cherryhill Aviation
 Manufacturer PIPER AIRCRAFT CORP.
 Model PA-28-236
 Serial # 28-7911121
 A/C Cert. Date 02/20/1979

Tach Time 3336.4
 Total Time 3336.4

Tail Number N2186U

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
*79-13-03 08/08/79	FIRE HAZARD PREVENTION/	1-14-2021 Tach: 3168.3	Inspected per AD		X	100 hrs	██████████ A&P
79-22-02 10/26/79	FUEL LEAKAGE/	10/22/87	P.C.W. per log reference	X		N/A	
80-14-03 07/01/80	BENDIX, KING OR NARCO TRANSMITTERS/		N/A by radios installed	X		N/A	
86-17-01 08/21/86	AMMETER REPLACEMENT/	8/3/86 Tach: 770	P.C.W. installed kit 765-186V	X		N/A	
96-10-03 05/29/96	FLAP LEVER HANDLE AND BOLT/	5/28/96 tach: 1684	Replaced bushing and bolt	X		N/A	
99-05-09 03/19/99	INDUCTION AIR FILTER/		N/A bracket air filter installed	X		N/A	
10-15-10 08/31/10	CONTROL WHEEL COLUMN SHAFTS/	7/21/2011 Tach: 2491.59	P.C.W. Visual inspection	X		N/A	
*13-02-13 03/11/13	HORIZONTAL STABILATOR CONTROL CABLES/	1/1/2020 Tach: 3168.3	Complied with per SB 1245A		X	tach: 10,168.3 or 1/1/2027	██████████ A&P
*17-14-04 08/15/17	OIL COOLER HOSE ASSEMBLY TSO REQUIREMENTS/	1/1/2020 Tach: 3168.3	P.C.W. hoses meet TSO-C53A type D		X	N/A	██████████
18-07-03 04/20/18	FUEL SELECTOR COVER PLACARDS IMPROPER INSTALLATION/	2/6/18 Tach 2852.4	Visual inspection P.C.W.	X		N/A	

Airworthiness Directive Compliance Record

N2186U

Page 2 of 5

ENGINE - Front

Company: Cherryhill Aviation
 Manufacturer: Lycoming Engines
 Model: O-540-J3A5D
 Location: Front
 Serial #: L-21041-40A

TSMOH: 1291.6
 Total Time: unknown

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
59-10-07 07/01/59	BAFFLE CLAMPS/		N/A by style of baffle clamps installed	X		N/A	
*63-14-03 07/06/63	OIL PUMP DRIVE SHAFT/		N/A by engine S/N		X	N/A	
64-16-05 07/10/64	OIL SEAL FAILURE/		N/A by engine S/N	X		N/A	
66-20-04 08/27/66	OIL FILTER ADAPTER GASKET/		N/A by oil filter installed	X		N/A	
75-08-09 08/18/77	[R3] OIL PUMP DRIVE SHAFT/		N/A per date of engine manufacture	X		N/A	
87-10-06 R1 09/01/89	ROCKER ARM ASSEMBLIES/		N/A by overhaul date and engine S/N	X		N/A	
92-12-05 07/10/92	PISTON PIN RECALL/	11/4/1999	N/A by engine overhaul date	X		N/A	
93-11-11 06/21/93	LOW PRESSURE DIAPHRAGM FUEL PUMP/	1/1/2020 Tach 3168.3	N/A by pump serial number, New pump installed 1/1/2020	X		N/A	
95-07-01 03/17/95	CONNECTING ROD BOLTS/	11/4/1999	P.C.W. at engine overhaul	X		N/A	
95-26-02 01/24/96	LOW OCTANE ENGINE DAMAGE/		N/A by N number	X		N/A	
96-09-10 07/15/96	ENGINE OIL PUMP IMPELLER/	11/4/1999	P.C.W. at engine overhaul	X		N/A	
*02-12-07 07/03/02	OIL FILTER CONVERTER PLATE GASKET/	7/11/2013 tach: 2696.1	P.C.W new gasket installed		X	N/A	
04-05-24 03/30/04	CRANKSHAFT GEAR RETAINING BOLT/		N/A single drive dual magnetic installed	X		N/A	
*04-10-14 C1 06/26/04	CRANKSHAFT GEAR AND GEAR RETAINING BOLT/	1/1/2021 Tach 3336.4	Due at prop strike or sudden stoppage of engine		X	prop strike/ engine overhaul	A&P
05-19-11 10/21/05	300 HORSEPOWER OR LOWER CRANKSHAFTS/		N/A by crankshaft Serial number	X		N/A	

Airworthiness Directive Compliance Record

N2186U

Page 3 of 5

06-12-07 07/11/06	ENGINE COMPONENTS, INC. PARALLEL VALVE CYLINDER ASSEMBLIES/	N/A Lycoming cylinders installed	X	N/A	
07-04-19 R1 05/07/07	SUPERIOR AIR PARTS, INC. CAST CYLINDER ASSEMBLIES/	N/A Lycoming cylinders installed	X	N/A	
*09-26-12 02/04/10	ENGINE COMPONENTS, INC. P/N AEL65102 "TITAN" CYLINDERS/	N/A Lycoming cylinders installed	X	N/A	
12-03-07 03/27/12	CARBURETOR MIXTURE CONTROL SLEEVE/	N/A by model carb installed	X	N/A	
12-19-01 10/24/12	CRANKSHAFT RETIREMENT/	N/A per crankshaft S/N	X	N/A	
*15-02-07 03/11/15	PROPELLER GOVERNOR IDLER SHAFT SET SCREW/	N/A by model number	X	N/A	
17-16-11 08/15/17	ENGINE CONNECTING ROD ASSEMBLIES INTEGRITY/	N/A by model and serial number	X	N/A	

Airworthiness Directive Compliance Record

PROPELLER - Front

Company
Cherryhill Aviation
Manufacturer
Hartzell Propellers
Model
HC-F2YR-1F
Location
Front
Tail #
N2186U
Serial #
CM209

Blade
TSMOH
Total Time
E15871, E15872
1751.1
3336.4

Tail Number N2186U

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
01-07-03 06/04/01	PROPELLERS RETURNED TO SERVICE BY BASCO/		N/A not serviced by BASCO	X		N/A	
03-01-03 01/23/03	ALUMINUM HUB REPLACEMENT/		N/A by Serial number	X		N/A	
03-13-17 07/18/03	MAINTENANCE REPAIR BY T AND W PROPELLERS, INC./		N/A not serviced by T&W propeller	X		N/A	
05-14-11 08/17/05	MAINTENANCE AND REPAIR BY SOUTHERN CALIFORNIA PROPELLER SERVICE/		N/A no service by Souther California Propeller Service	X		N/A	
06-24-07 01/03/07	INSPECTIONS AND REPAIRS BY CSE AVIATION/		Propeller not repaired by CSE Aviation	X		N/A	
07-26-09 01/30/08	PLACARD, PROPELLER BLADE SHANK REWORK/		N/A by blade serial number E15871 and E15872	X		N/A	
*09-22-03 11/12/09	PROPELLER HUB FRONT CYLINDER HALF/		N/A per engine model number and propeller	X		N/A	

APPLIANCES

Company Cherryhill Aviation
Tail # N2186U

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
63-22-03 12/02/63	CARBURETOR MAIN AND PRIMARY VENTURI/		Stamped V one piece venturi installed	X		N/A	
69-24-03 11/29/69	CARBURETOR DRAIN PLUG AND CAVITY/		N/A per serial number	X		N/A	
72-06-05 R2 07/03/86	CARBURETOR THROTTLE ARM ATTACHMENT/		N/A per throttle arm attachmet	X		N/A	
78-18-04 09/09/78	D-2000, D-2200 MAGNETOS/	8/18/2011	N/A by overhaul date	X		N/A	
*79-12-07 06/19/79	D-2000, D-2200 MAGNETOS/		N/A by Serial number		X	N/A	
79-18-06 09/17/79	[R1] D-2000, D-2200 MAGNETOS/	8/18/2011	N/A by overhaul date	X		N/A	
80-17-14 08/21/80	D-2000, D-2200 MAGNETOS/	8/18/2011	N/A by overhaul date	X		N/A	
*82-11-05 06/09/82	D-2000, D-2200 DISTRIBUTOR GEAR ASSEMBLIES/	8/18/2011	P.C.W. at overhaul		X	N/A	
82-20-01 06/14/83	VARIOUS MODELS - MAGNETO IMPULSE COUPLINGS/	8/18/2011	P.C.W. at overhaul	X		N/A	
89-04-02 03/08/89	CARBURETOR AIR METERING STOP PIN/		N/A per serial number	X		N/A	
*93-05-06 04/29/93	IGNITION SWITCHES/	7-11-2013 tach: 2696.1	Diode installed 4/27/94, A-3600 kit installed 7-11-2013		X	2000 hrs tach: 4696.1	
*05-12-06 07/19/05	RIVETED OR SNAP-RING IMPULSE COUPLINGS WITH MODEL CHANGES/	1/2/2020 tach: 3168.3	PCW In accordance with MSB 645 paragraph 1.2 - 1.4.5		X	500 hrs	