

ENGINE MAINTENANCE RECORDS



1. Approving National Authority/Country		2. Form Tracking Number:			
FAA/UNITED STATES		80411			
3. Form Title: AUTHORIZED RELEASE CERTIFICATE					
4. FAA Form 6130-3, AIRWORTHINESS APPROVAL TAG					
5. Organization: PROPELLER SERVICE INC		6. Work Order/Contract/Invoice Number:			
WHISLINGS, IL 60090-0450 • 800-323-4130		80411 W/ATTACHED PAGE(S)			
		1 THRU 1 DATED May/19/2006			
7. Item	8. Part Number	9. Eligible	10. Qty	11. Serial/Batch Number	12. Status/Work
1. HARTZELL PROPELLER	HC-C2YK-1BP 78475D-4	N/A	1	CH40115B	OVERHAULED
13. Remarks: REWORKED OVERHAUL PER MANUAL 1-110035, 202A028, 1-11000, 126					
Serial #					
TSM TSO/TSM					
COMPLIED WITH:		ABSE 04452155		1240.51 0.00	
D 2001-20-04		Sub C 11159		0.0 N/A	
N/A NONE		8341 216207		1240.51 0.00	
S/L NONE		9547 326133		1240.51 0.00	
The Next Action Required on this Component is within 2000 HOURS OR 72 MONTHS PER DL HC-C1-43-SIV R1.					
Aircraft Propeller Service, Inc. certifies that the work specified in Block 12 was carried out in accordance with EASA Part-145 and is approved so that work the component is considered ready for release in written under EASA Part-145 Approval Number: "EASA.145.0126."					
14. Certify the work was performed in conformity to:		15. P-14 CFR 43.9 Return to Service. (If Other regulation specified in Block 13, unless that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to the work. If they are approved for return to service.			
☐ Approved over/under and in condition for safe operation. ☐ Approved over/under data specified in Block 13.		16. Approval/Authorization No.: [REDACTED] 17. Signature: [REDACTED] 18. Date: [REDACTED] 19. Name (Typed or Printed): RICHARD WITSCHBY, INSPECTOR 20. Date (m/d/y): May/19/2006			
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute an approval of the work performed. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority, the user/installer assumes that the airworthiness of the aircraft is maintained. Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance should be performed in accordance with the applicable technical data.					

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

ALTERATIONS ☐

Date: May 5, 2022 N16253

Phone: [REDACTED] Tach 4885.62

Work Order No. M2806

Performed 100 Hr inspection per Hartzell Maintenance Manual – No defects noted.
ADs checked thru 2022-09.

I certify that this PROPELLER has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signed [REDACTED]

License # [REDACTED] A.



LEAR FIELD

AVIATION LLC

Handbook No. 61401

Email: [REDACTED]

Work order: 10220

Date: June 2, 2023 N16253

Tach 4979.52

Performed 100 Hr inspection per Hartzell Maintenance Manual – No defects noted.
ADs checked thru 2023-11

I certify that this PROPELLER has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signed [REDACTED]

License # [REDACTED] FA

Block, Cert. # or repair station #

☐ AIRWORTHY

Year: _____

Date: _____

A.D. # _____

Next Inspection
Due: _____

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

Phone: [REDACTED]

Work Order No. M2459

March 25, 2020

N16253

Tach 4722.41

Performed 100 Hr inspection per Hartzell Maintenance Manual – No defects noted.
ADs checked thru 2020-06

I certify that this PROPELLER has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signed [REDACTED]

License # 2104 [REDACTED] T.A.

Mech. Cert. # or Repair Station # _____

Year: _____

Date: _____

A.D. # _____

Next Inspection
Due: _____

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

Phone: [REDACTED]

Work Order No. M2614

April 1, 2021

N16253

Tach 4784.03

Performed 100 Hr inspection per Hartzell Maintenance Manual – No defects noted.
ADs checked thru 2020-07.

I certify that this PROPELLER has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signed [REDACTED]

License # 2104 [REDACTED] T.A.

Page No. _____
DATE _____

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305
Phone: [REDACTED]

Work Order No. M2459

March 25, 2020 N16253 Tach 4722.41 TTE 3890.85 TSMOH 1569.45
Performed annual inspection per Piper Maintenance Manual.
Change oil and filter. Add 10 qts. Aeroshell 15W-50 oil and Champion CH48110-1 filter.
Compression test- #1) 72/80 #2) 70/80 #3) 74/80 #4) 72/80 #5) 72/80 #6) 72/80
Cleaned induction air filter. Cleaned fuel screen. Clean gap and test all spark plugs.
Checked magneto to engine timing.
Checked fuel - intake - and exhaust systems.
Ops checked and lubed all controls.
Engine run-up and leak checked - No defects noted.
ADs checked thru 2020-06

I certify that this ENGINE has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Signed: [REDACTED] JTA
License # ARP [REDACTED]

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305
Phone: [REDACTED]

Work Order No. M2582

December 28, 2020 N16253 Tach 4776.25
Changed oil and filter, old filter inspected - No contaminants found.
Serviced engine with 10 qts Aeroshell 15W50 oil and CH48110-1 filter.
Run-up and leak check - No leaks noted.
The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Signed: [REDACTED]
License # ARP [REDACTED]

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305
Phone: [REDACTED]

Work Order No. M2614

April 1, 2021 N16253 Tach 4784.03 TTE 3862.47 TSMOH 1651.07
Performed annual inspection per Piper Maintenance Manual.
Compression test- #1) 75/80 #2) 70/80 #3) 77/80 #4) 76/80 #5) 78/80 #6) 76/80
Installed new BA3 air filter. Cleaned fuel screen. Clean gap and test all spark plugs.
Checked magneto to engine timing. Installed new vacuum pump drive oil seal.
Checked fuel - intake - and exhaust systems.
Ops checked and lubed all controls.
Engine run-up and leak checked - No defects noted.
ADs checked thru 2021-07

I certify that this ENGINE has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Signed: [REDACTED] JTA
License # ARP [REDACTED]

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305
Phone: [REDACTED]

Work Order No. M2691

August 30, 2021 N16253 Tach 4832.59
Changed oil and filter, old filter inspected - No contaminants found.
Serviced engine with 10 qts Aeroshell 15W50 oil and CH48110-1 filter.
Run-up and leak check - No leaks noted.
The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Signed: [REDACTED]
License # ARP [REDACTED]

DATE

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

Phone [REDACTED]

Work Order No. M2806

Job No.

May 5, 2022

N16253

Tach 4885.62 TTE 3964.06 TSMOH 1762.66

Performed annual inspection per Piper Maintenance Manual.
 Changed oil and filter. Inspected old oil filter and found normal. Added 10 quarts
 Aeroshell 15W-50 oil and a AA48110-2 oil filter.
 Compression test - #1) 76/80 #2) 72/80 #3) 74/80 #4) 74/80 #5) 72/80 #6) 74/80.
 Installed new BA3 air filter. Cleaned fuel screen. Clean gap and test all spark plugs.
 Installed new left magneto impulse coupling part # ES10-400320. See 8130-3 tag
 From Kelly Aero, LLC dated 5-2-22. Installed new left magneto drive couplings Lycoming
 Part # 68H22624.
 Checked magneto to engine timing.
 Checked fuel - intake - and exhaust systems.
 Ops checked and lubed all controls.
 Engine run-up and leak checked - No defects noted.
 ADs checked thru 2022-09

I certify that this ENGINE has been inspected in accordance with an Annual inspection and was determined
 to be in airworthy condition.

Signed [REDACTED]

License # AP [REDACTED] IA

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

Phone [REDACTED]

Work Order No. M2853

August 19, 2022

N16253

Tach 4927.6

Changed oil and filter, old filter inspected - No contaminants found.
 Serviced engine with 10 qts Aeroshell 15W50 oil and AA48110-2 filter.
 Run-up and leak check - No leaks noted.
 The aircraft identified above was repaired and/or inspected in accordance with current regulations of the
 Federal Aviation Administration and is approved for return to service for the work performed.

Signed [REDACTED]

License # AP [REDACTED] IA

QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305

Phone [REDACTED]

Work Order No. M2853

August 19, 2022

N16253

Tach 4927.6

Installed overhauled Tempest vacuum pump part # AA215CC serial # OUY20. See 8130-3
 Tag dated July-28-2022. Operational check normal.
 The aircraft identified above was repaired and/or inspected in accordance with current regulations of the
 Federal Aviation Administration and is approved for return to service for the work performed.

Signed [REDACTED]

License # AP [REDACTED] IALEAR FIELD
AVIATION LLC

Hawthorn, IL 62303

Email: [REDACTED]

Work order: 33239

June 2, 2023

N16253

Tach 4979.52 TTE 4057.96 TSMOH 1848.56

Performed annual inspection per Piper Maintenance Manual.
 Performed oil and filter change. Old filter cut open - No contaminants noted.
 Serviced engine w/ 11 Qts Aeroshell 15W50 oil and a AA48110-2 filter.
 Compression test - #1) 76/80 #2) 73/80 #3) 76/80 #4) 74/80 #5) 74/80 #6) 76/80.
 Replaced induction air filter. Cleaned fuel screen.
 Cleaned, gapped, tested, and rotated spark plugs.
 Checked mags and magneto timing.
 Replaced exhaust muffler, P/N 06-00155, and right exhaust riser, P/N A68793-00
 Checked fuel - intake - and exhaust systems.
 Ops checked and lubed all controls.
 Engine run-up and leak checked - No defects noted.
 ADs checked thru 2023-11

I certify that this ENGINE has been inspected in accordance with an Annual inspection and was determined
 to be in airworthy condition.

Signed [REDACTED]

License # AP [REDACTED] IA

DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**LEAR FIELD**
AVIATION Inc.

10000 W. 10th St. Suite 100

Email: [REDACTED]

N16253

Tach 5028.00

Work order: 10221

September 13, 2023

Performed oil and filter change. Old filter cut open - No contaminants noted.

Serviced engine w/ 10 qt Aeroshell 15W50 oil and a AA48110-2 filter.

Engine leak checked - No defect noted.

The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Signed: [REDACTED]

License # [REDACTED]

DATE _____

Quincy Regional Airport
Quincy, IL 62305

Phone: [REDACTED]

Work Order No. M2743

November 23, 2021

N16253

Tech 4875.8

Installed new o-rings in right wheel brake cylinder and bleed brakes. Lube rudder trim system.
Installed new alternator belt. Operational check normal.

The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Signed

License #

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QUINCY AVIATION

Quincy Regional Airport
Quincy, IL 62305
Phone: [REDACTED]

Work Order No. M2806

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entries.)

May 5, 2022 N16253

Tach Time 4885.62

TTA 4885.62

Performed Annual Inspection I/A/W Piper Maintenance Manual -

Removed panels, checked and lubed control hinge points and pulleys.

ELT checked as per 91.207(d), Battery due Feb 2025.

Checked lights & electrical system, serviced battery. Greased all wheel bearings.

Serviced brake system. Installed all new left brake linings.

Cleaned and checked fuel screen. Installed new Goodyear 600-6-6 ply Flight Special II tire
And tube on left main wheel.

C/W AD 75-24-02, eff date 11/21/75, Loose seats, By SI763, Next due @ Annual

C/W AD 76-07-12, eff date 08/30/77, Bendix ignition switch, By cps check, Next due @ 4985.62 Hrs

C/W AD 2015-15-07, eff date 12/3/2015, Lvc fuel injec lines, By SB 342A, Next Due @ 4985.62 Hrs

C/W AD 78-23-01, eff date 11/03/78, Fuel drain door assy, By Inspection, Next Due @ 4985.62 Hrs

C/W AD 99-24-10, eff date 1/14/2020, Standby vac System, By para (b)(1) Next due @ May, 2023,

Para (b)(2) next due @ Apr. 2023.

AD 2005-12-06, eff date 07/19/05, Bendix impulse, By replacement, Next Due @ 5385.62 Hrs

AD 2013-02-13, eff date 3/11/13, Stab cables, Per SB 1245A, Next Due @ 6722.41/Mar 2027

AD 2020-24-05 amdt. 39-21335 eff. 12-28-2020 wing spar inspection per para (g)(1)(i) and

Para (2). No corrosion found. Due next May 2029.

AD 2020-26-16 amdt. 39-21371 eff. 2-16-2021 wing spar inspection due at 5000 factored

Service hours. Per para (h)(1) and (3) wing spar currently has 287.39 factored service hours.

ADs checked thru 2022-09.

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection and was determined
to be in airworthy condition.

Signed [REDACTED]

License # A-P [REDACTED]

IA

YEAR
20
DATE

REC
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TIN

Higginsville Avionics LLC

FAA Certified Repair Station #SK2R164L

Aircraft
Piper PA32-300

N Number
N16253

Current Tach/Hobbs
4912.4

Date: June 23, 2022

Refer to WO # 30766

I certify that Transponder

Model STRATUS ES

s/n 201276

installed in this aircraft has been tested and inspected and found to comply with requirements of F.A.R. 91.413. The altimeter, static system and encoder tests required by F.A.R. 91.411 have been performed. I certify the transponder, altimeter and encoder were tested to altitudes indicated and are approved for return to service.

Signed:

Insp. # 2584737

Valid only when properly inserted in aircraft logbook.

Altitude Test	Altitude Test Error	Encoder Test Error	Altitude Test	Altitude Test Error	Encoder Test Error
-1000	10	-950	22000	-	-
0	-10	-50	24000	-	-
500	-10	450	30000	-	-
1000	0	500	35000	-	-
1500	-10	1450			
2000	0	1950			
3000	-10	2950			
4000	-20	3950			
6000	0	5950			
8000	0	7950			
10000	0	9950			
12000	10	11950			
14000	10	13950			
16000	10	15950			
18000	0	17970			
20000	40	20030			

Altimeter

Quinn Manufacturer

22-977-01 Model #

575 Serial Number SRA-12525

0 Leak Test

ok Friction Test

10 Hysteresis #1

10 Hysteresis #2

0 After Effect Test

Encoder

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specific entries



LEAR FIELD
AVIATION LLC

Email: [REDACTED]

Work order: 10029

June 2, 2023 **N16253** Tach Time **4979.52**

TTA 4979.52

Performed Annual Inspection I/AW Piper Maintenance Manual -

Removed panels, checked and lubed control hinge points and pulleys.

ELT checked as per 91.207(d), Battery due March 2020.

Checked lights & electrical system, serviced battery.

Greased all wheel bearings. Replaced right main tire. Serviced tires.

Replaced seals in left brake caliper. Replaced all left brake linings.

Replaced seals in left brake master cylinder. Serviced brake system.

Cleaned and checked fuel screen. Replaced seal in right outboard sump drain.

C/W AD 75-24-02, eff date 11/21/75, Loose seats, By SI763, Next due @ Annual

C/W AD 76-07-12, eff date 08/30/77, Bendix ignition switch, By ops check, Next due @ 5079.52 Hrs

C/W AD 2015-15-07, eff date 12/3/2015, Lyc fuel injec lines, By SB 342A, Next Due @ 5079.52 Hrs

C/W AD 78-23-01, eff date 11/03/78, Fuel drain door assy, By Inspection, Next Due @ 5079.52 Hrs

C/W AD 99-24-10, eff date 11/15/99, Standby vac System, By para 3.3.1 & 3.3.2, 3.3.1 Next due @ June 2024, 3.3.2

next due @ June 2025

C/W AD 2017-16-01, eff date 10/24/17, ACK-451 ELT, By Install manual, Next due @ ANNUAL

AD 2005-12-06, eff date 07/19/05, Bendix impulse, By replacement, Next Due @ 5385.62 Hrs

AD 2013-02-13, eff date 3/11/13, Stab cables, Per SB 1245A, Next Due @ 6722.41/Mar 2027

AD 2020-26-16, eff date 2/16/21, Wing bolt holes, By NDT, Due @ 5000 FSH, 300 FSH to date

AD 2020-24-05, eff date 12/28/20, Wing spar inspection, Per Piper SB 1304A, Next due @ May 2029

ADs checked thru 2023-11

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection and was determined to be in
airworthy condition.

Signed [REDACTED]

Licensed # [REDACTED]

