

Aircraft Structural Inspection LLC  
 NON DESTRUCTIVE TESTING & INSPECTIONS  
 FAA CRS #1NPR910  
 108a W Washington  
 Mountain View AR 72560  
 Ph 870-270-6007

# Certificate of Conformance

DATE: 22 Jul 2021 \_ WO#: 4205\_\_ PO #: Verbal INVOICE #: 4239

NAME: Michael F. Williams  
 ADDRESS: 2425 NW Front St.  
 CITY, ST, ZIP: Ashdown, Ar. 71822  
 PH: 479-243-6604

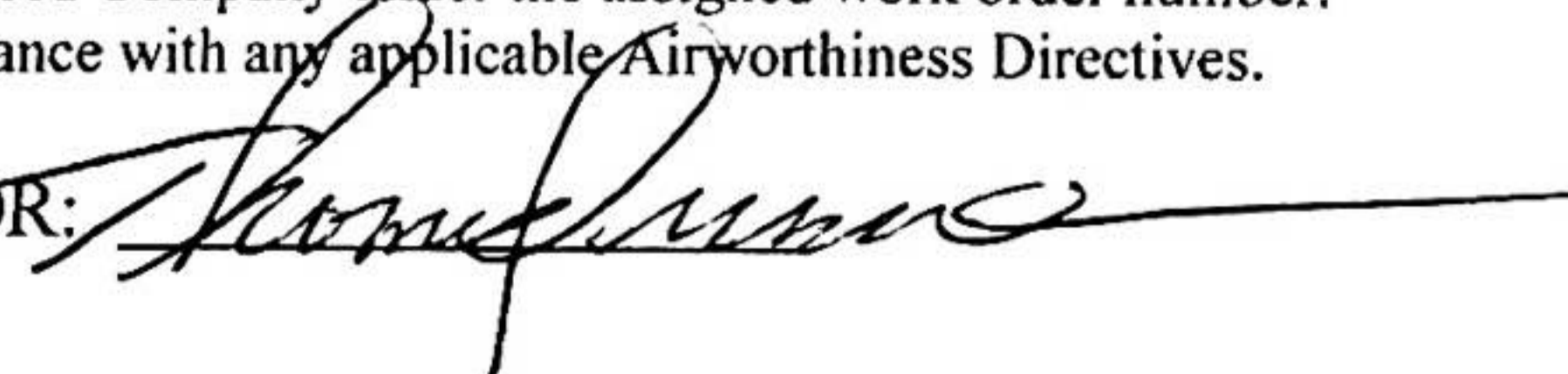
Aircraft Model	Piper PA-28R-180
Aircraft Registration	N4681J
Aircraft Serial Number	28R-30581
Recording Time	4,708 TT

QTY	PART NUMBER	DESCRIPTION
1		Wing Spar RH Fwd Outboard Bolt Hole
		Eddy Current Inspection No Rejectable Defects Noted
1		Wing Spar RH Aft Outboard Bolt Hole
		Eddy Current Inspection No Rejectable Defects Noted
1		Wing Spar LH Fwd Outboard Bolt Hole
		Eddy Current Inspection No Rejectable Defects Noted
1		Wing Spar LH Aft Outboard Bolt Hole
		Eddy Current Inspection No Rejectable Defects Noted
		No Rejectable Defects Noted

**PROCESS PERFORMED:** Eddy Current Inspection complied with AD 20-26-16 and Piper SB 1345  
No Rejectable Defects Noted. ASI WO# 4205

The Item Identified above was Repaired or Inspected in Accordance with Federal Aviation Regulations.  
 Any additional information is on file at the above referenced Company under the assigned work order number.  
 The installer is responsible for ensuring complete compliance with any applicable Airworthiness Directives.

DATE: 22 Jul 2021

INSPECTOR: 

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA02555CH

*This certificate issued to* Professional Pilots Inc.  
12304 West 165th Ave.  
Lowell, IN 46356

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations. (See Type Certificate Data Sheet No. 2A13 for complete certification basis)*

*Original Product - Type Certificate Number :* 2A13  
*Make :* Piper Aircraft, Inc.  
*Model :* PA-28R series aircraft with specified engines

*Description of Type Design Change:*

**Installation of Hartzell HC-C2YR-1BFP/F7497 constant speed propeller in accordance with Professional Pilots Inc. Installation Instructions #SUTN2801, dated November 12, 2007 or later FAA approved revision.**

*Limitations and Conditions :*

- 1) Compatibility of this design change with previous modifications must be determined by the installer.
- 2) Hartzell HC-C2YR-1BFP/F7497 is only applicable on aircraft equipped with a Lycoming IO-360-B1E, Lycoming IO-360-C1C, or Lycoming IO-360-C1C6 engine.
- 3) If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
- 4) A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application :* November 12, 2007

*Date reissued :*

*Date of issuance :* April 17, 2008

*Date amended :*



*By direction of the Administrator*  
  
(Signature)

Thaddeus D. Krolicki, Jr.  
Manager, Propulsion Branch  
Chicago Aircraft Certification Office

(Title)

1. Approving National Aviation Authority/Country: FAA/United States		2.		3. Form Tracking Number: AWX00158	
<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG					
4. Organization Name and Address: Airworx LLC, 7139 JIMMY SELLERS ROAD, BREWTON, AL, AL 36426					
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ENGINE ASSEMBLY	L-4929-51A	1	L-4929-51A	REPAIRED
13. Remarks: DISASSEMBLED ENGINE COMPLETE LESS ACCESSORIES. PERFORMED HIDDEN DAMAGE INSPECTION AND CONFORMITY INSPECTION. ENGINE RECEIVED LESS ACCESSORIES. DE-GREASED ALL PARTS AND CLEANED IN HOT SPRAY TANKS, SOLVENT TANKS, AND/OR VAPOR DEGREASER. BLASTED PARTS IN 10X ENGINEERED MEDIA AS REQUIRED FOR NDT DUE TO SUDDEN STOPPAGE/ PROP STRIKE INSPECTION. PERFORMED NDT OF ALL PARTS USING FPI OR MPI WITH NO DEFICIENCIES NOTED. PERFORMED DIMENSIONAL CHECK OF ALL PARTS AND FOUND TO BE ALL WITHIN PUBLISHED SERVICE LIMITS AS PER LYCOMING SB 533C. PAINTED ALL PARTS PREVIOUSLY BLASTED FOR INSPECTION. REPAIRED CYLINDER ASSEMBLIES WITH NEW EXHAUST STUDS, (1) SERVICEABLE EXHAUST VALVE, CUT SEATS, GROUND VALVES, LAPPED VALVES TO SEATS AND PERFORMED VACUUM TEST. ASSEMBLED ENGINE WITH THE FOLLOWING NEW PARTS AS PER LYCOMING SB240W AND PARTS DETERMINED NON AIRWORTHY BY INSPECTION, NEW GASKET, NEW INTAKE HOSES, NEW CRANKSHAFT GEAR BOLT, NEW CONNECTING ROD BOLTS, NEW CONNECTING ROD NUTS, NEW STANDARD ROD BEARINGS, NEW STANDARD MAIN BEARINGS, NEW OIL RETURN HOSES, SERVICEABLE CAMSHAFT, SERVICEABLE LIFTERS, AND NEW OIL PUMP IMPELLER KIT. ENGINE WAS ASSEMBLED AS PER THE LYCOMING DIRECT DRIVE OVERHAUL MANUAL AND THE TABLE OF LIMITS. ENGINE WILL REQUIRE GROUND RUNS AFTER INSTALLATION ON AIR FRAME AS PER LYCOMING SI 1427C.					
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.					
14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13b. Authorized Signature:		13c. Approval/Authorization No:		14c. Approval/Certificate No.:	
				AIRR909D	
13d. Name (Typed or Printed):		13e. Date (m/d/y):		14d. Name (Typed or Printed):	
				CHRISTOPHER D COLLUM	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					