

## PROPELLER MAINTENANCE RECORD

PROPELLER MODEL 76EM8S14-0-62

PROPELLER SERIAL NUMBER 108548K

**TABLE OF PROPELLER ATTACHING BOLT WRENCH TORQUE**  
**Sensenich Metal Propellers (the proper torque is also shown on Blade Information Decal)**

PROPELLER SERIES**	BOLT DIA. (inches)	RECOMMENDED WRENCH TORQUE		
		in.-lb.	ft.-lb.	n.-m.
69CK, M69CK (6 bolts) 72CK (6 bolts) 74CK, M74CK (6 bolts) 76AK, M76AK (6 bolts) 76AM6, M76AM (6 bolts) 74DM6, M74DM (6 bolts) 74DR, M74DR (8 bolts)	$\frac{3}{8}$ (0.375)	280-300	23-25	32-34
74DM7 (6 bolts)	$\frac{7}{16}$ (0.4375)	480-540	40-45	54-61
72CC, 72FM8 (6 bolts) 74DC, M74DC (6 bolts) <u>76EM8</u> , M76EMM (6 bolts) * 80BM8, M80BMM (bolts)	$\frac{1}{2}$ (0.500)	720-780	60-65	81-88

\* Not in production

\*\* These are the basic propeller models. Spacer addition does not affect recommended wrench torque.

MAKE: PIPER AIRCRAFT INC  
MODEL: PA-28-181  
S/N: 2881479  
REG. NO: N501MA  
PROP MAKE: SENSENICH  
PROP MODEL: 76EM8S14-0-62  
PROP SN: 108548K



8191 N. TAMiami TrL.  
HANGAR B4  
SARASOTA, FL 34243

W/O #: P00107  
DATE: 09-18-2025  
TTAF: 1254.4  
TACH: 1254.4  
PROP TSN: 0.0

### Propeller Entries

- Removed and replaced Aircraft Propeller with ONE (1) NEW Sensenich P/N# 76EM8S14-0-62 S/N# 108548K. Removed and replaced Forward Spinner Bulkhead with ONE (1) NEW Piper P/N# 587-733. Work Performed IAW Piper PA-28-181 Archer Maintenance Manual Chapter 61 Paragraphs 1 and 2.
- Applied Teflon tape onto Spinner Bulkhead Boss. Removed and replaced Spinner Dome with ONE (1) NEW Piper P/N# 587-735 and Spinner Screws with TWENTY-SIX (26) NEW P/N# AN526C1032R8. Work Performed IAW Piper PA-28-181 Archer Maintenance Manual Chapter 61 Paragraph 1.

I certify that the Propeller identified above has been repaired as described in accordance with current Federal Aviation Regulations and are approved for return to service. All work was performed in accordance with applicable manufacturer instructions and FAA guidelines.

DATE: 09-18-2025

SIGNED:

Roman Golyan  
Airframe & Powerplant: 4644497

WORK ORDER: P00107

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MAKE: PIPER AIRCRAFT INC  
MODEL: PA-28-181  
S/N: 2881479  
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HANGAR B4  
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PROP TSN: 0.0

### Propeller Entries

- Performed Annual Inspection. Cleaned Propeller. Removed spinner, Inspected forward and aft bulkheads for defects. Inspected safety wire installation and hardware for condition and proper installation. Checked hub for defects and leaks with none noted. Inspected blades for defects, cracks, corrosion and nicks. Airworthiness directives have been found to be in compliance at this time. The propeller identified above has been Inspected in accordance with Piper Aircraft Inc. PA28-181 Scheduled Maintenance 100 Hour/Annual Inspection checklist.

Airworthiness directives have been found to be in compliance at this time. I certify that the propeller identified above has been Inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

DATE: 09-18-2025

SIGNED:

Nicholas Rinaldo

WORK ORDER: P00107

1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>		<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: <div style="text-align: center; font-size: 1.2em;"><b>9200P-A</b></div>	
4. Organization Name and Address: <div style="text-align: center;"> <b>Aircraft Propeller Works, Inc.</b>  <b>506 Charlotte Road, Auburndale, FL 33823</b> </div>		5. Work Order/Contract/Invoice Number: <div style="text-align: center; font-size: 1.2em;"><b>9200P</b></div>				
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
<b>1</b>	<b>Aircraft Propeller</b>	<b>76EM8S14-0-62</b>	<b>1</b>	<b>106304K</b>	<b>Repair</b>	
12. Remarks Propeller dynamically balanced I/A/W ACES Systems 1000-OM-01-REV.2, 10-300-4041-REV.5. IPS 0.06 at 130°. Solution performed, split 41.5 grams @ 210° and 35.0 grams @ 270°. Continue Time						
Blade serial numbers:  <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <b>NO AD'S APPLY TO THIS ITEM AT THIS TIME</b>  <b>APPROVED FOR RETURN TO SERVICE WITH RESPECT TO WORK COMPLETED</b> </div>						
13a. Certifies the items identified above were manufactured in conformity to:  Approved design data and are in a condition for safe operation.  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:		14b. Authorized Signature:		
				<div style="font-size: 1.5em; font-family: cursive;">5/12</div>		
13d. Name (Typed or Printed):		13e. Date (m/d/y):		14c. Approval/Certificate No:		
				<div style="font-size: 1.2em;"><b>4TZR125D</b></div>		
14d. Name (Typed or Printed):		14e. Date (m/d/y):		14f. Date (m/d/y):		
<div style="font-size: 1.2em;"><b>Adam Flake</b></div>		<div style="font-size: 1.2em;"><b>Sep 19, 2025</b></div>				
<b>User/Installer Responsibilities</b>						
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 regulation by the user/installer before the aircraft may be flown.						

# AIRCRAFT PROPELLER WORKS, INC

506 Charlotte Road, Auburndale, FL 33823

CRS# 4TZR125D

SERIAL NUMBER: 106304K

WORK PERFORMED

Repair

MODEL NUMBER: 76EM8S14-0-62

Propeller dynamically balanced I/A/W ACES Systems 1000-OM-01-REV.2, 10-300-4041-REV.5. IPS 0.06 at 130°. Solution performed, split 41.5 grams @ 210° and 35.0 grams @ 270°. Continue Time

Blade serial numbers:

NO AD'S APPLY TO THIS ITEM AT THIS TIME

APPROVED FOR RETURN TO SERVICE WITH RESPECT TO WORK COMPLETED

PERTINENT DETAILS ON FILE UNDER WORK ORDER: 9200P

Adam Flake

Adam Flake

DATE:

09/19/2025

INSTALLER MUST CONFIRM ELIGIBILITY WITH APPLICABLE TECHNICAL DATA AND INSTALL I/A/W FAR 43.9



## LIMITED WARRANTY

WORK ORDER: 9200P

DATE: Sep 19, 2025

MODEL NUMBER: 76EM8S14-0-62

SERIAL NUMBER: 106304K

Governors have a 1-year or 500 hour warranty on parts and labor involved in the overhaul only. Governor Repairs have a 1-year or 500 hour warranty on Parts and Labor involved in the Repair Only.

Hartzell Propellers overhauled by Aircraft Propeller Works, Inc. have a 18 month or 1000 hour warranty on Parts and Labor involved in the Overhaul Only. Propeller Repairs have a 12 month or 500 hour warranty on Parts and Labor involved in the Repair Only.

McCauley Threadless Propellers overhauled by Aircraft Propeller Works, Inc. have a 18 month or 1000 hour warranty on Parts and Labor involved in the Overhaul Only. Propeller Repairs have a 12 month or 500 hour warranty on Parts and Labor involved in the Repair Only.

McCauley Threaded Propellers overhauled by Aircraft Propeller Works, Inc. have a 12 month or 500 hour warranty on Parts and Labor involved in the Overhaul Only. Propeller Repairs have a 12 month or 500 hour warranty on Parts and Labor involved in the Repair Only.

All warranty periods are calendar time or flight time, whichever occurs first. All warranty work is to be performed by APWI unless approved in writing prior to the work being accomplished. APWI is not responsible for transporting the propeller for repair.

Warranty does not cover; misuse, accidents, neglect, normal wear and tear, corrosion, loss of business, loss of income, travel, lodging and food expenses, removal and installation of propeller, unauthorized changes and shipping.

506 Charlotte Road, Auburndale, FL 33823  
863-875-4800 - office@aircraftpropellerworks.com  
CRS# 4TZR125D



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**Propeller Job**  


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 9002P
 

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Customer: 9002P

Started: 09/18/2025 09:41

Last Updated: 09/18/2025 10:38

A/C Reg: N501MA

Eng S/N: 106304K

Eng Type: IO-360-B4A

Eng Pos: 1

Prop S/N: 106304K

Prop Type: 76EM8514-0-62

Job Status: Complete

A/C Total TM: 0.0

TSO: 0.0

TSN: 0.0

TSO: 0.0

TSN: 0.0

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**Analyzer Information**


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ACES 2021 Cobra II Analyzer

App Version: 2023.0829.18

Owner: Aircraft Propeller Works

Addr:

506 Charlotte Rd

Auburndale, FL

33823-4506

US

Phone: (863) 875-4800

E-Mail: info@aircraftpropellerworks.com

Serial No: 2021T1909-013

Cal Date: 15 Jul 2025

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**Policies**


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Deny:

Allow: Copy, Delete, ICF Update, Modify

License Option: None

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**Properties**


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Setup Name: 9200P

Version: 0.0.0.0

Channel A: 991D-1

(20.000 mVolts/g's, Normal Polarity, IEP, Single-Ended)

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**Propeller Balance Setup: 9200P**


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Engine HP: 180

Max Balance Wt: 100.00

Wts Relative To: Tape

Maximum Vib: 1.00 IPS Peak

Rotation (FLA): CCW

Tach Type: Optical

Tach Pos: 12:00

Sensor Chan: A

Sens A ICF Samples: 0

Num of Engines: 1

Balance Speed: 2400

Holes: No

Tach Chan: 1

Sensor Pos: 12:00

ICF: 51.6 GMS/Vib 0 °/Rot

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**Prop Balance: 4 Runs**


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Run	Speed	Sens A Vib		Sens A ICF		Suggested		Installed	
		Mag	Deg	Mag	Deg	Mag	Deg	Mag	Deg
1	2218	0.20	187	51.62	0	10.20	7	10.90	0
2	2222	0.23	176	202.41	228	39.99	236	40.10	240
3	2207	0.08	182	315.78	232	66.57	237	41.50 35.00	210 270

09/19/2025 10:53

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Customer: 9002P

Started: 09/18/2025 09:41

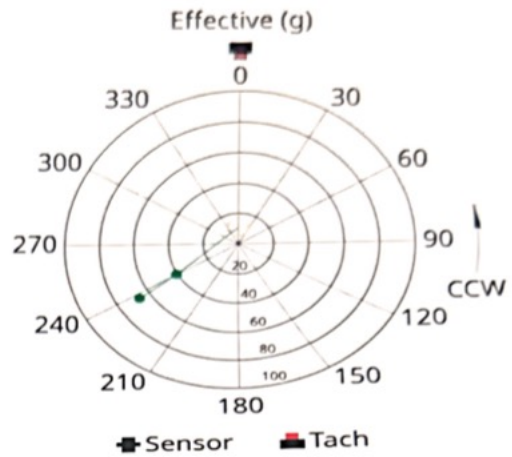
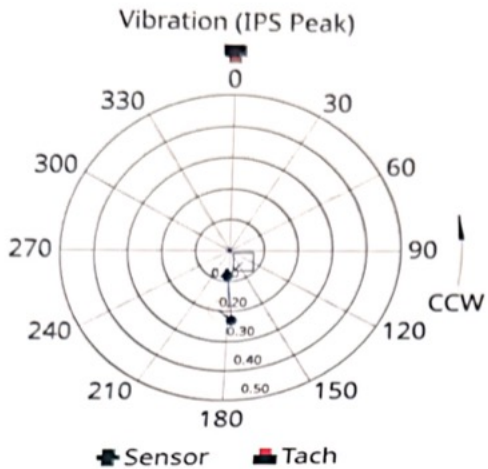
Last Updated: 09/18/2025 10:38

A/C Reg: N501MA

Channel A

Job Status: Complete

A/C Total TM: 0.0



09/19/2025 10:53

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4	2223	0.06	130		347.34	219		76.04	223	
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41.50

210

35.00

Grams

270

Degrees

Signature:

License No: 4TZR125D

TECH:

