

PROPELLER LOG BOOK



SENSENICH PROPELLER COMPANY
EAST AIRPORT ROAD
LANCASTER, PA 17601
USA

THIS LOG BOOK IS TO BE KEPT
WITH THE PROPELLER
FOR RECORDING OF ALL PROPELLER MAINTENANCE WORK PERFORMED

FIXED-PITCH METAL PROPELLERS INSTRUCTIONS FOR USE AND CARE

Supersedes previous Use & Care Instructions

Service Bulletins and Airworthiness Directives are not affected by these instructions

Your Sensenich propeller has been manufactured under closely controlled conditions to the approved design in accordance with the applicable **FAA** Regulations. Stamped on the propeller hub face are the Model and Serial Number, the Type Certificate Number, and the Production Certificate Number (Sensenich Propeller Company P.C. No. 1NE).

DO

1. Have your propeller installed by an A. & P. mechanic. For convenience, the proper installation bolt torque is shown on the blade decal near the hub. Always have blade track checked after the hub bolts are tightened. Note: Every propeller is accurately balanced at the factory. If the propeller-engine combination feels rough in flight, ask your mechanic to remove the propeller, rotate it 180 degrees on the engine crankshaft flange, and re-install. Again check blade track. This provides a means to verify that the crankshaft flange is true.
2. Inspect the blades of your propeller before each flight for nicks, cuts, and stone bruises. Have minor repairs* promptly performed by an A. & P. mechanic. If a crack is discovered, **THE PROPELLER MUST BE IMMEDIATELY REMOVED FROM SERVICE.**
3. Have major repairs* performed by an FAA Certificated Propeller Repair Station or by the factory.
4. Conform to applicable RPM limitations and periodically have your tachometer checked for accuracy.
5. Frequently wipe the propeller blades clean with an oily rag. This oily wipe will remove corrosive substances, and the oily residue will repel water and corrosives.
6. The recommended flight-time between reconditioning for your Sensenich fixed-pitch metal propeller is One Thousand hours PROVIDED IT HAS NOT RECEIVED PRIOR DAMAGE REQUIRING IMMEDIATE ATTENTION. This accomplishes the removal of fatigued surface metal and the accumulation of small nicks and cuts too numerous to be repaired individually.

- Do Not** permit installation of a propeller unless it is the model approved under the Aircraft Type Certificate or STC and has been obtained from a reliable source. **Beware** of a propeller of unknown service history.
- Do Not** push or pull on the propeller when moving an aircraft by hand.
- Do Not** run up your engine/propeller over loose stones or gravel.
- Do Not** paint over corroded or damaged blades. This hides the defect and may deter needed repair.
- Do Not** permit repair of blade damage by peening or welding. **These practices will lead to early blade failure.**
- Do Not** fly your aircraft under any circumstances before a thorough inspection by qualified personnel if the propeller has been subjected to impact.
- Do Not** have your propeller straightened except by an FAA Certificated Propeller Repair Station or the factory. Even partial straightening of blades for convenience of shipping to a repair station may cause hidden damage which, if not detected, could result in the return to service of a non-airworthy propeller. Report anything of this nature before repair is initiated.

*** DEFINITIONS**

Minor Repair:

Rounding out a shallow nick or cut shall be considered a minor repair provided that the strength, weight, and stiffness of the blade is not materially affected.

Major Repair:

Major repairs to aluminum alloy propellers include diameter reduction (when permissible) to repair tip damage, repairs to deep cuts or nicks, and straightening of bent blades.

PROPELLER MAINTENANCE RECORD

PROPELLER MODEL 76EM8-0-60

PROPELLER SERIAL NUMBER 30329K

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		
		ln.-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 (6 bolts) 74DC, M74DC (6 bolts) 76EM8, M76EMM (6 bolts) *80BM8, M80BMM (6 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.

**DESCRIPTION OF ALL OPERATIONS
PERTAINING TO AIRWORTHINESS DIRECTIVES,
SERVICE BULLETINS, SERVICE LETTERS,
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
4-15-96	3014.34	Installed on Piper PA 28-151 S/N 28-7615373 IAW STCF SA 294650	George W. Nix Jr. IA 559643412AP
6-1-97	Tach 3051.46 TTP 37.12	① file, dress & paint blades I certify that this propeller has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.	George W. Nix Jr. IA 55964312AD

PROP MODEL:
76EM8-0-60
PROP S/N: 30329K
REG. NO: N6844J
WORK ORDER:
Murrieta4177-10-2011

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
Murrieta, CA 92563
Phone: 951-775-1932

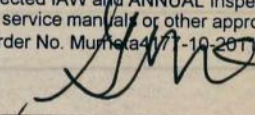
DATE: 11/1/2011
A/C TSN: 3264.75
PROP TT: 250.41
TSPOH: 250.41
TACH: 3264.75

Prop Entries

Completed Annual Inspection per GAS form, inspected prop blades, spinner and spinner bulkhead.... Replaced safety wire on prop mounting bolts.

I Certify that this PROPELLER has been inspected IAW and ANNUAL inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manual or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta4177-10-2011. FAA CRS #2SDR271B.

DATE: 11/1/2011

SIGNED: 

Work Order: Murrieta4177-10-2011

PROP MODEL:
76EM8-0-60
PROP S/N: 30329K
REG. NO: N6844J
WORK ORDER:
Murrieta7808-03-2017

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 6/1/2017
A/C TSN: 3288.8
PROP TT: 274.46
TSPOH: 274.46
TACH: 3288.8

Prop Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form, inspected prop blades and hub, spinner and spinner bulkhead. Dressed blades and painted. See AD note update sheet and master list for complete AD note history thru this date and current revision.

DATE

I Certify that this PROPELLER has been inspected IAW and 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta7808-03-2017. FAA CRS #2SDR271B.

URE

DATE: 6/1/2017

SIGNED:

Work Order: Murrieta7808-03-2017

Glen Kratz

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Certified Repair Station No. CRS 2SDR271B

07/01/21 Performed a 100 HOUR inspection, dressed blades, inspected spinner and bulkhead
TACH 3334.4
TT 320.06
JISW AP 2751823 TR

Make: Sensenich
Model: 76EM8-0-60
Ser #: 30329K
Reg #: N6844J

LEADING EDGE
AVIATION



Logan-Cache Airport (KLGU)
900 W 2500 N, Logan, UT 84321
435-752-5955

Tach Time: 3343.01
TTSMOH: 328.67

I certify that this PROPELLER has been inspected IAW a 100 HR inspection and FAR 43 Appendix D and was determined to be in airworthy condition. Inspected for nicks, dents, and leaks. Dressed and painted blades as required. Inspected spinner and bulkheads. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

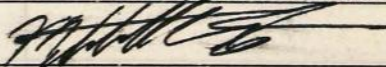
Signature / Certificate #:
Mitchell K Kemp AP 4424393

Date: 12/16/22

Make: Sensenich	LEADING EDGE AVIATION  Logan-Cache Airport (KLGU) 900 W 2500 N, Logan, UT 84321 435-752-5955	Tach Time: 3346.69
Model: 76EM8-0-60		TTS MOH: 332.35
Ser #: 30329K		
Reg #: N6844J		

I certify that this **PROPELLER** has been inspected IAW a **100 HR** inspection and **FAR 43 Appendix D** and was determined to be in airworthy condition. Inspected for nicks, dents, and leaks. Dressed and painted blades as required. Inspected spinner and bulkheads. No defects noted.

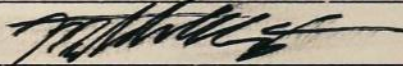
The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Mitchell K Kemp AP/IA 4424393		Date: 12/26/2023
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Make: Sensenich	 LE AVIATION Logan-Cache Airport (KLGU) 900 W 2500 N, Logan, UT 84321 435-752-5955	Tach Time: 3347.04
Model: 76EM8-0-60		TTS MOH: 332.70
Ser #: 30329K		
Reg #: N6844J		

I certify that this **PROPELLER** has been inspected IAW a **100 HR** inspection and **FAR 43 Appendix D** and was determined to be in airworthy condition. Inspected for nicks, dents, and leaks. Dressed and painted blades as required. Inspected spinner and bulkheads. No defects noted.

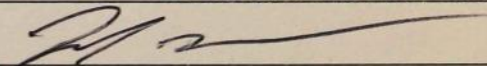
The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Mitchell K Kemp AP/IA 4424393		Date: 12/26/2024
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Make: Sensenich	 LE AVIATION Logan-Cache Airport (KLGU) 900 W 2500 N, Logan, UT 84321 435-752-5955	Tach Time: 3,352.80
Model: 76EM8-0-60		TTS MOH: 338.46
Ser #: 30329K		TTP: 338.46
Reg #: N6844J		

I certify that this **PROPELLER** has been inspected IAW a **100 HR** inspection and **FAR 43 Appendix D** and was determined to be in airworthy condition. Inspected for nicks, dents, and leaks. Dressed and painted blades as required. Inspected spinner and bulkheads. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Jared M Weaver AP 4850720		Date: 02/17/2026
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