

Aircraft

Manufacturer

Model

XENOS

Serial

X0076

Registration Number

N255BF

Date of Manufacture

5-15-16

Engine(s) currently installed:

Manufacturer

Aero Vee

Model

80HP

Serial

NA

Manufacturer

Model

Serial

Propeller(s) currently installed:

Manufacturer

Sensenich

Model

WC56AV5L42

HUB Model

NA

Serial

A54998

Serial

Blade Model

Serial

Serial

Serial

Blade Model

Serial

Serial

Serial

Registered Owner Record

Name TRISONIC LLC Address [REDACTED]
City Lancaster State WI From 5-15-16 To 5-15-16
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____
Name _____ Address _____
City _____ State _____ From _____ To _____

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				TRANSPONDER CERTIFICATE Plane Sense Avionics 715-853-4445 [REDACTED] FAA CRS [REDACTED] N255BF Caroline, WI 54928 PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. E Transponder Model <u>GPM 54330</u> SN <u>AS Installed</u> The aircraft and/or component identified hereon was repaired and inspected in accordance with current federal aviation regulations and was found airworthy for return to service. Date <u>5/22/16</u> W.O. <u>3906</u> Signed [REDACTED]

YEAR 20 DATE	RECORDING TACH TIME	T	F

Federal Aviation Administration
 Flight Standards District Office
 [REDACTED]
 Milwaukee, Wisconsin 53207

Aircraft Make (Builder) BRUCE A FRITZ
 Model XENOS S/N X0046 Reg. N255BF

I find that this Aircraft meets the requirements of the certificate
 requested and have issued a Special Airworthiness Certificate
 dated 17 FEB 2017 Next inspection due 31 FEB 2018

[REDACTED]
 Raymond A. Peterson Jr. *RA*
 Principal Maintenance Inspector GL-13

Datum is nose of aircraft

CG Range Utility Category:
CG Range Aerobatic Category:

1,275.00
1,050.00
67.5" to 72.34"
67.5" to 70.58"

Flight Test	<u>Pounds</u>	<u>Arm</u>	<u>Moment</u>	<u>Center of Gravity</u>
Aircraft Empty	879.00		60,842.00	
Fuel	96.00	45.75	4,392.00	
Baggage	0.00	102.00	0.00	
Pilot	240.00	76.90	18,456.00	
	1,215.00		83,690.00	68.88

Date: 4-27-2018
Make / model: Xenos
Eng Make / model: AeroVee 80hp
Prop Make / model: Sensenich WC56AV5LA2
Completed and Annual Condition Inspection this date. Complied with 14 CFR 91.207 (d) ELT operational checks - OK; battery replacement due 12-2021. Opened inspection panels and inspected structure; found mouse nests in left and right wings and removed; cleaned affected areas and coated with LPS3 anti-corrosion spray. Checked electrical system, repaired right wingtip wiring & charged battery. Checked control surfaces for wear / movement and lubed as necessary. Inspected empennage and landing gear - OK.

I certify that this aircraft has been inspected in accordance with the scope and detail of 14 CFR 43 appendix D and was found to be in a condition for safe operation.

Hobbs: 8.4
Serial Numbers: X0046
Serial number: none
Serial number: AJ4998

Tach: 7.1
ACFT: 7.1
Eng TT: 7.1
Prop TT: 7.1

N#255BF

9/11/18 13.0

115 aircraft has been inspected and has been found safe for the intended flight in accordance with Special Flight Permit dated 9/10/18

Date: 10-01-2020

Make / model: Xenos

Eng Make / model: AcroVee 80hp

Prop Make / model: Sensenich WC56AV5L42

Annual Condition Inspection was completed this date. Complied with 14 CFR 91.207 (d) ELT operational checks - OK; battery replacement due 12-2021. Opened inspection panels and inspected structure. Checked electrical system, repaired right wingtip wiring & charged battery. Checked control surfaces for wear / movement and lubed as necessary. Inspected empennage and ruddervator mixer-OK. Inspected wheels, tires, landing gear, replaced left and right main tires with new Cheng Shin 11-4.00-5 tires and tubes. Reinstalled Tinnerman nut plates on ruddervator tips. Repaired wheel pant outer attach point using large area washers riveted in place.

I certify that this aircraft has been

scope and detail of 14 CFR 43 appendix D and was found to be in a condition for safe operation.

****Experimental Airframe****

Serial Numbers: X0046

Serial number: none

Serial number: AJ4998

Tach: 22.5

ACTT: 22.5

Eng TT: 22.5

Prop TT: 22.5

N#255BF

The following altimeter system and alt^r Reporting equipment test and inspection Required by FAR 91.411 law FAR 43, "E" have been performed:

para (a) Static System 10-14-20

para (b) Altimeter(s) 10-14-20

Pilot's S/N Garmin Gyx C/P's S/N I

Tested to: 20,000 feet

Para (c) Integrated System Test 10-

Signature: W.O. # 14044 B

Monticello Aviation

Monticello, IA K02R959K

MONTICELLO AVIATION INC., Monticello, IA. 52310

Scale Corrections

S-N Dynon EFIS-D6

Altimeter Reads			After Effects		
Up	Down		Altimeter Reads	Up	Down
+ 1000	-20		14000	+50	
- 500	-20		16000	+ 60	
0	-20		18000	+50	
500	-20		20000	+50	
1000	+20		22000		
1500	+20		25000		
2000	+30		30000		
3000	+30		35000		
4000	+30		40000		
6000	+40		45000		
8000	+40		50000		
10000	+50				
12000	+50				

Date: 10-14-20

Tested by: [Redacted]

69.22

Empty

****Experimental Airframe****

Serial Numbers: X0046
Serial number: none
Serial number: A14998

Tach: 22.5
ACTT: 22.5
Eng TT: 22.5
Prop TT: 22.5

N#255BF

80hp
WC56AV5L42
was completed this date. Complied with 14 CFR 91.207 (d) ELT operational checks - OK; battery replacement due 12-
els and inspected structure. Checked electrical system, repaired right wingtip wiring & charged battery. Checked control
and lubed as necessary. Inspected empennage and ruddervator mixer-OK. Inspected wheels, tires, landing gear; replaced
new Cheng Shin 11-4.00-5 tires and tubes. Reinstalled Tinnerman nut plates on ruddervator tips. Repaired wheel pant
area washers riveted in place.
10-14-20 in accordance with the scope and detail of 14 CFR 43 appendix D and was found to
ircraft has been in
ation.

Eric W Paradis

The following altimeter system and altitude
Reporting equipment test and inspections as
Required by FAR 91.411 law FAR 43, Appendix
"E" have been performed:

para (a) Static System 10-14-20 date

para (b) Altimeter(s) 10-14-20 date

Pilot's S/N Garmin G3X C/P's S/N Dynon

Tested to: 20,000 feet.

Para (c) Integrated System Test 10-14-20 date

Signature: W.O. # 14044

Monticello Aviation

Monticello, IA

Inspections, Tests, Repairs and Alterations

Completed with Name, Rating and Certificate Number of Technician (check
back pages for other specific entries.)

The ATC Transponder Tests and Inspection
Required by FAR 91.413 were performed th
Date and found to comply with FAR 43
Appendix F.

1. Make Garmin Model GTX330ES S/N in

2. Make X Model X S/N X

Details of this inspection are on file at this
Facility under W.O. # 14044

Date 10-14-20 Signed [redacted]

Monticello Aviation

Monticello, IA

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE
PLANE SENSE AVIONICS
FAA CRS [REDACTED] PFO [REDACTED] N255BF Caroline, WI 54928

TEST ALT. X 1000 FT.	-1	0	5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110
ACTUAL	0	0	0	0	+5	0	0	0	0	0	0	0	+5	5	0	0
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	50	50	50	50	50	50	50
TOL. ± FT.	130	130	130	155	180	205	230	255	280	280	280	280	280	280	280	280
ACTUAL	120	100	140	120	140	160	180	255	250	250	250	250	250	250	250	250
FRICION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED ALTIMETER, ENCODER PER FAR 43 APP. E. TO 20,000 FT.
CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 43 APP E
PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F.

TRANSPONDER MODEL Garmin GTX 330 SN AS Installed

The Aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 5/22/16 W.O. 3906 Signed [REDACTED]

Make Garmin
Model G3X
S/N Ship CHK
BLIND ENCODER

AC LOG ENTRY
PLANE SENSE AVIONICS
FAA CRS [REDACTED] Phone [REDACTED] Fax [REDACTED] CAROLINE, WI 54928

N255BF

Upgraded Garmin GTX 330 to GTX 330ES. Upgraded software for the GNS 430W to version 5.4 and the GPS software to version 5.0. Certified aircraft static system per FAR 43 Appendix E. Certified Pilot Garmin G3X and Dynon D6 per FAR 43 Appendix E. Performed transponder tests per FAR 43 Appendix E. No change to aircraft weight and balance.

END

The aircraft and/or component identified hereon was repaired and inspected in accordance with current federal aviation regulations and was found airworthy for return to service.

Date 11/26/18 W.O. 4685 Signed [REDACTED]

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE
PLANE SENSE AVIONICS
FAA CRS [REDACTED] DYNON [REDACTED] N255BF Caroline, WI 54928

TEST ALT. X 1000 FT.	-1	0	5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110
ACTUAL	+10	+0	+0	+0	+5	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	50	50	50	50	50	50	50
TOL. ± FT.	130	130	130	155	180	205	230	255	280	280	280	280	280	280	280	280
ACTUAL	120	100	140	120	140	160	180	255	250	250	250	250	250	250	250	250
FRICION	+30	+0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED ALTIMETER, ENCODER PER FAR 43 APP. E. TO 20,000 FT.
CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 43 APP E
PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F.

TRANSPONDER MODEL N/A SN N/A

The Aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 5/22/16 W.O. 3906 Signed [REDACTED]

Make DYNON
Model D-6
S/N Ship CHK
BLIND ENCODER

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE
PLANE SENSE AVIONICS
FAA CRS [REDACTED] N255BF PFO [REDACTED] Caroline, WI 54928

TEST ALT. X 1000 FT.	-1	0	5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110
ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+5
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	50	50	50	50	50	50	50
TOL. ± FT.	130	130	130	155	180	205	230	255	280	280	280	280	280	280	280	280
ACTUAL	120	100	140	120	140	160	180	255	250	250	250	250	250	250	250	250
FRICION	+5	+5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED ALTIMETER, ENCODER PER FAR 43 APP. E. TO 20,000 FT.
CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 43 APP E
PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F.

TRANSPONDER MODEL Garmin GTX 330ES SN AS Installed

The Aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 11/26/18 W.O. 4685 Signed [REDACTED]

Make Garmin
Model G3X
S/N Ship CHK
BLIND ENCODER

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE
PLANE SENSE AVIONICS
FAA CRS [REDACTED] N255BF Caroline, WI 54928

TEST ALT. X 1000 FT.	-1	0	5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110
ACTUAL	0	0	0	0	+3	0	0	0	0	0	0	0	+5	+5	0	0
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	50	50	50	50	50	50	50
TOL. ± FT.	130	130	130	155	180	205	230	255	280	280	280	280	280	280	280	280
ACTUAL	120	100	140	120	140	160	180	255	250	250	250	250	250	250	250	250
FRICION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED ALTIMETER, ENCODER PER FAR 43 APP. E. TO 20,000 FT.
CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 43 APP E
PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F.

TRANSPONDER MODEL Garmin GTX 330 SN AS Installed

The Aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 10/9/14 W.O. 3400 Signed [REDACTED]

Make Garmin
Model G3X
S/N Ship CHK
BLIND ENCODER

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE
PLANE SENSE AVIONICS
FAA CRS [REDACTED] N255BF DYNON [REDACTED] Caroline, WI 54928

TEST ALT. X 1000 FT.	-1	0	5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110
ACTUAL	+5	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0	+0
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	50	50	50	50	50	50	50
TOL. ± FT.	130	130	130	155	180	205	230	255	280	280	280	280	280	280	280	280
ACTUAL	120	100	140	120	140	160	180	255	250	250	250	250	250	250	250	250
FRICION	+30	+0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED ALTIMETER, ENCODER PER FAR 43 APP. E. TO 20,000 FT.
CERTIFIED AIRCRAFT STATIC SYSTEMS PER FAR 43 APP E
PERFORMED TRANSPONDER TEST REQUIRED BY FAR 91.413 (a) (c) AND 91.217 (b) IN ACCORDANCE WITH FAR 43 APP. F.

TRANSPONDER MODEL N/A SN N/A

The Aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations, and is airworthy and approved for return to service.

Date 11/26/18 W.O. 4685 Signed [REDACTED]

Make DYNON
Model D6
S/N Ship CHK
BLIND ENCODER

Engine Record General Information

Manufacturer Aero Vee Model 80 HP

Serial _____ Type Certificate _____

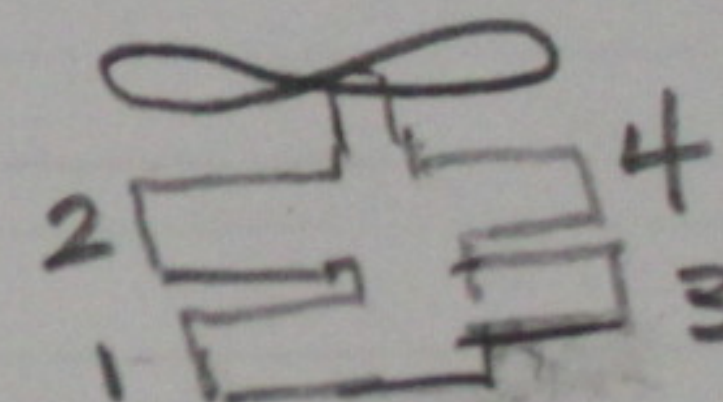
This engine is currently installed in aircraft: N255BF

Minimum Octane Fuel 91 Oil Grade: Summer 20W50 Winter 20W50

Magneto Time Magnetron Point Setting _____ Firing Order 1-4-3-2

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at ON Condition hours



Registered Owner Record

Name Trisonic LLC

Address [REDACTED]

City Lancaster

State WI

From 5-15-16

To

Name

Address

City

State

From

To

Name

Address

City

State

From

To

Name

Address

City

State

From

To

Name

Address

City

State

From

To

Name

Address

City

State

From

To

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-15-14	0.0	-	-	Installed engine on N255BF I certify this engine has been inspected on 4-1-17 in accordance with the scope & detail of appendix D, Part 43 and was found to be in a condition for safe operation. [Redacted] Builder
				I certify this ^{PROP} engine has been inspected on 4-1-17 in accordance with the scope & detail of appendix D, Part 43, and was found to be in a condition for safe operation. [Redacted] D. L. L.
				Oil Change 33-18 at SHR & used Valvoline URI-200-50

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Experimental Engine Date: 4-27-2018 Hobbs: 8.4 Tach: 7.1 N#255BF Make / model: Xenos Serial Numbers: X0046 ACTT: 7.1 Eng Make / model: AeroVee 80hp Serial number: none Eng TT: 7.1 Prop Make / model: Sensenich WC56AV5LA2 Serial number: AJ4998 Prop TT: 7.1 Engine oil drained, screen checked - no metal noted. Service engine with 2.5 qts Valvoline VR-1 20W50 oil and new strainer gaskets. Spark plugs were removed, inspected and reinstalled. Engine timing checked - OK. Compressions as follows: #1-76/80 #2-74/80 #3-73/80 #4-76/80. Engine controls were checked for wear and movement. Installed replacement baffle stud and resealed baffle. Engine was ground run, leak and ops checked OK. I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR 43 appendix D and was found to be in a condition for safe flight. [Redacted] Eric W Paradis
9/21/20	21.0 Hrs			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE SCOPE & DETAIL OF 14 CFR 43 APPENDIX D & WAS FOUND TO BE IN A CONDITION FOR SAFE FLIGHT. [Redacted]

Y

2

D

****Experimental Engine****

D Date: 10-01-20

- Make / model: Xenos

Eng Make / model: AcroVee 80hp

Prop Make / model: Sensenich WC56AV5L42

Serial Numbers: X0046

Serial number: none

Serial number: AJ4998

Tach : 22.5

ACTT: 22.5

Eng TT: 22.5

Prop TE: 22.5

N#255BF

Engine oil drained, screen checked - no metal noted. Service engine with 2.8 qts Valvoline VR-1 20W50 oil; replaced oil strainer P/N 111-115-175B and gaskets with new. Spark plugs were removed and replaced with new NGK DCPRT7 gapped to .018" upper & .032" lower; spark plug torque (per latest AeroVee manual) 12 ft-lb. replaced #4 cyl lower spark plug wire connector. Installed one spark plug helicoil & 4 cyl. upper. New push rod tube seals were installed. Cylinders were removed, bases and tops were cleaned and reinstalled using high-temp copper RTV. Head bores were cleaned and heads were reinstalled; final torque on heads was 22ft-lb. Cleaned and reinstalled induction risers with new gaskets. Engine timing checked - OK. Replaced exhaust gaskets. Compressions as follows: #1-72/80 #2-74/80 #3-74/80 #4-72/80, cold after cylinder reinstall. Engine controls were checked for wear and movement; repaired Aero-injector mixture valve and seat. Engine was ground run, adjusted mixture and idle stop, leak and ops checked OK.

I certify that this engine has been inspected in accordance with the scope and detail of 14 CFR 43 appendix D and was found to be in a condition for safe flight.

condition for safe flight.

Eric W Paradis

[illegible]

8/13/22

101.5

I CERTIFY THAT THIS AIRCRAFT/ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH A CONDITION INSPECTION AND
WAS DETERMINED TO BE IN AIR WORTHY
CONDITION. SIGNED [REDACTED]

A & P, IA

ENC

Propeller Maintenance Record

Propeller Model Number WC56AV5L42

Propeller Serial Number AJ4998

Size of Steel Aircraft Bolt		Recommended Wrench Torque Range		
Spec.	Dia. (in.)	in.-lb.	ft.-lb.	n.-m.
AN4	1/4	120 to 140	10 to 12	14 to 16
AN5	5/16	130 to 160	11 to 13	15 to 18
AN6	3/8	175 to 225	15 to 19	20 to 25
AN7	7/16	225 to 275	19 to 23	25 to 31
AN8	1/2	275 to 325	23 to 27	31 to 37
AN10	5/8	325 to 375	27 to 31	37 to 42

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

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
8-10-14		Install Propeller	
Date: 4-27-2018 Make / model: Xenos Eng Make / model: AeroVee 80hp Prop Make / model: Sensenich WC56AV5L42 Inspected prop, checked bolt torque 130-160 inlb.			
Experimental Propeller Hobbs: 8.4 Serial Numbers: X0046 Serial number: none Serial number: AJ4998			
Tach: 7.1 ACTT: 7.1 Eng TT: 7.1 Prop TT: 7.1			
I certify that this propeller has been inspected in accordance with the Sensenich instructions and was found to be in a condition for safe operation. Eric W Paradis			
9/21/20	21.0 Hrs	I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE SENSENICH INSTRUCTIONS & WAS FOUND TO BE IN CONDITION FOR SAFE OPERATION.	

operation.

Serial number: A54770

Top 11, 22.5

I certify that this propeller has been inspected in accordance with the Sensenich instructions and was found to be in a condition for safe

101.5

PROPELLER

I CERTIFY THAT THIS AIRCRAFT/ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH A CONDITION INSPECTION AND
WAS DETERMINED TO BE IN AIRWORTHY
CONDITION. SIGNED: [REDACTED]

END

~~A & P, 1A~~

[illegible]