
HARTZELL

**Propeller Owner's
Manual & Log Book**



N117CS

Propeller Owner's Manual

HARTZELL PROPELLER INC.

One Propeller Place
Piqua, OH 45356-2634 U.S.A.
Telephone: 513-778-4200
Fax: 513-778-4391

N117CS
Date: 19DEC00
PA32R-301 S/N#3246024



FLIGHTLINE
GROUP, INC.

3200 Capital Circle SW Tallahassee, FL 32310 (850)870-3010
Fred W. Davis, Director of Maintenance

TAC - 771.0
ACTT=771.0
PROP TSN - 771.0

I certify that this Propeller has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

Fred W. Davis

Fred W. Davis

266199518

Certificate Number

Hartzell Propeller

N117CS
Date: 01/29/02
Hartzell HC-I3YR-1RF S/N HK88A



FLIGHTLINE
GROUP, INC.

3200 Capital Circle SW Tallahassee, FL 32310 (850)870-3010
Fred W. Davis, Director of Maintenance

HM - 882.1
ACTT-882.1
PROP TSN - 882.1

I certify that this Propeller has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

J. Lee McHugh

J. Lee McHugh

IA 247661917

Certificate Number

19

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
1097-04-2005



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 5/9/2005
A/C TSN: 1101.8
PROP TT: 1101.8
TACH: 1101.8

Prop Entries

C/W Propeller annual inspection.... Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 5/9/2005

SIGNED:

Work Order: 1097-04-2005

Lee McHugh, IA: 2839207

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
2023-06-2006



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 7/1/2006
A/C TSN: 1166.8
PROP TT: 1166.8
TACH: 1166.8

Prop Entries

C/W Propeller annual inspection.... Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 7/1/2006

SIGNED:

Work Order: 2023-06-2006

Fred Davis, IA: 2832998

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DESCRIPTION OF ALL OPERATIONS

Hartzell Propeller
Manual No. 115 N

SIGNATURE

ES,

21

N117CS
Date: 02/13/03
Hartzell HC-13YR-1RF S/N HK88A



HM - 1035.8
ACTT - 1035.8
PROP TSN - 1035.8

Dressed propeller blades

I certify that this Propeller has been inspected in accordance with an Annual inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

Fred W. Davis

IA 255199518

Certificate Number

DESCRIPTION OF ALL OPERATIONS

Hartzell Propeller
Manual No. 115 N

DR ADJUSTMENTS,
AIRWORTHINESS DIRECTIVES,
ETINS, SERVICE LETTERS,

PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
295-02-2004



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 4/27/2004
A/C TSN: 1036
PROP TT: 1036
TACH: 1036

Prop Entries

C/W Propeller annual inspection.... Dressed propeller blades as needed.... AD 2001-07-03C Hartzell propeller DNA.No further action required.... AD 2002-09-08 Hartzell propeller DNA per blade serial number.No further action required.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 4/27/2004

SIGNED:

Work Order: 295-02-2004

Fred Davis, IA: 266199518

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SIGNATURE

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
3733-09-2008



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 9/18/2008
A/C TSN: 1269
PROP TT: 1269
TACH: 1269

Prop Entries

C/W Propeller annual inspection.... R & R propeller per Piper MM for outside service OH @ Sunstate Propellers.... C/W AD2008-13-28 Hartzell left-hand rotating ()HC-() (2,3)Y(K,R)-2 two- and three-bladed, aluminum hub, "compact" series propellers by records review and found to be not applicable by S/N and direction of rotation. No further action required.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 9/18/2008

SIGNED:

Fred Davis, IA: 2832998

Work Order: 3733-09-2008

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
4457-09-2009



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 10/13/2009
A/C TSN: 1299.8
PROP TT: 1299.8
TSPOH: 30.8
TACH: 1299.8

Prop Entries

C/W Propeller annual inspection.... Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 10/13/2009

SIGNED:

Fred Davis, IA: 2832998

Work Order: 4457-09-2009

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in

Hartzell Propeller
Manual No. 115 N

Hartzell Propeller Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS AIRWORTHINESS DIRECTIVES, BULLETINS, SERVICE LETTERS, AND CORRECTIONS OR ADJUSTMENTS

DATE: 8/17/2007
ADD: 15N 1390
PROP: 11, 1390
TAG: 1, 200

DATE: _____

Flightline Group, Inc.
3286 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3516



PROP MODEL: HC-13YR-1RF
HC-13YR-1RP
PROP: 0/01, HK88A
REG. NO: 11728
WORK ORDER: 2889-08-2007

Prop Entries

CW Propeller annual inspection.... Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

Fred Davis

DATE: 8/17/2007

SIGNED:

Fred Davis, IA: 2832398

Work Order: 2889-08-2007

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DESCRIPTION OF WORK	SIGNATURE
Sunstate Propeller, Inc. 5110 West Grace Street Tampa, FL 33607 1-800-226-1089 OVERHAUL OF THIS PROPELLER MODEL: HC-13YR-1RF SERIAL # HK88A Completed on this date: 09-15-2008 and was returned to service under work order # 16086 Signature: <i>Clark Wesley</i> 2330469	

Sunstate Propeller, Inc.
5110 West Grace Street Tampa, FL 33607
1-800-226-1089
OVERHAUL OF THIS PROPELLER
MODEL: HC-13YR-1RF
SERIAL # HK88A Completed on this date:
09-15-2008 and was returned to service
under work order # 16086
Signature: *Clark Wesley* 2330469

177CS

1. Approving National Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8120-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 16086		
4. Organization Name and Address: SUNSTATE PROPELLER, INC. 5110 WEST GRACE STREET TAMPA, FLORIDA 33607 CRS#OW4R429M						5. Work Order/Contract/Invoice Number: 16086		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:		
1	PROPELLER	HC-13YR-1RF	N/A	1	HK88A	OVERHAUL		
PROPELLER OVERHAULED IN ACCORDANCE WITH HARTZELL MANUAL 113B A.D. 2002-09-08 SERVICE BULLETIN: HC-SB-61-118F, HC-SB-61-136R1 SERVICE LETTER: HC-SL-61-136R1, HC-SL-61-189R2								
13. 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 13.				19. X 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies 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 that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: <i>Clark Wesley</i>		21. Approval Certificate No.: OW4R429M		
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): CLARK WESLEY		23. Date (m/d/y): 09-15-08		
User/Installer Responsibilities								
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 ensure that his/her airworthiness authority accepts part/component/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute inspection/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.								
FAA Form 8120-3 (9-01) 50-012-9003				*Installer must cross-check eligibility with applicable technical data.				NPN 2853

Sunstate Propeller Inc.
5110 West Grace Street Tampa, Fl 33607
1-800-226-1089

OVERHAUL OF THIS PROPELLER
MODEL: HC-I3YR-1RF

SERIAL # HK88A Completed on this
Date: 06-18-2010 and was returned to
service under work order # 16496

DATE	TAI TII

SIGNATURE _____

Signature *Fred Davis* CRS#OW4R429M

ENGINE MODEL:
IO-540-K1G5
ENGINE S/N: L-25754-48A
REG. NO: 117CS
WORK ORDER:
4767-03-2010

Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

PROP TSN-1305.8
PROP TSMOH-0

DATE: 7/7/2010
A/C TSN: 1305.8
ENG TT: 1305.8
TACH: 1305.8

Log Entries

R & R engine for Zephyr Engines Over-haul...Replace lord mounts and bolts, firewall forward fluid lines, and alternator drive belt. Cleaned, ran, and adjusted engine to Lycoming spec's. Ops. ck. good. No leaks.... R & R Propeller for Sunstate Overhaul.... R & R propeller governor for Sunstate O/H.... R & R cooler(s) for Re-certification.

Except as stated above, no other work, inspection, corrective action or determination of airworthiness has been made at this time.

DATE: 7/7/2010

SIGNED: *Fred Davis*

Work Order: 4767-03-2010

Fred Davis, A&P: 2832998

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PROPELLER LOGBOOK



N117CS
HC-13YR-1RF
HK88A
Propeller Logbook

SUNSTATE PROPELLER
5110 W. Grace Street
Tampa, FL 33607

PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
5166-11-2010



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 11/22/10
A/C TSN: 1313.5
PROP TT: 1313.5
TSPOH: 7.7
TACH: 1313.5

Prop Entries

C/W Propeller annual inspection....Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 11/22/10

SIGNED:

Lee McHugh, IA: 2839207

Work Order: 5166-11-2010

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG NO: 117CS
WORK ORDER:
5555-06-2011



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 1/13/12
A/C TSN: 1384.7
PROP TT: 1384.7
TSPOH: 78.9
TACH: 1384.7

Prop Entries

C/W Propeller annual inspection....Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 1/13/12

SIGNED:

Fred Davis, IA: 2832998

Work Order: 5555-06-2011

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
6629-01-2013



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 2/15/13
A/C TSN: 1495.7
PROP TT: 1495.7
TSPOH: 189.4
TACH: 1495.7

Prop Entries

C/W Propeller annual inspection.... Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 2/15/13

SIGNED:

Fred Davis, IA: 2832998

Work Order: 6629-01-2013

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
7304-01-2014



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 3/17/2014
A/C TSN: 1593.3
PROP TT: 1593.3
TSPOH: 287.5
TACH: 1593.3

Prop Entries

C/W Propeller annual inspection.....Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 3/17/2014

SIGNED:

Fred Davis, IA: 2832998

Work Order: 7304-01-2014

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

PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
7971-02-2015



Flightline Group, Inc.

3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 4/21/2015
A/C TSN: 1679.9
PROP TT: 1679.9
TSPOH: 374.1
TACH: 1679.9

Prop Entries

C/W Propeller annual inspection...Dressed propeller blades as needed.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 4/21/2015

SIGNED:

Work Order: 7971-02-2015

Lee McHugh, IA: 2839207

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
8594-01-2016



Flightline Group, Inc.

3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 5/18/2016
A/C TSN: 1774.3
PROP TT: 1774.3
TSPOH: 468.5
TACH: 1774.3

Prop Entries

D, C/W Propeller Annual Inspection...C/W Special Inspection (12 month) Lubricated propeller.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 5/18/2016

SIGNED:

Work Order: 8594-01-2016

Fred Davis, IA: 2832998

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PROP MODEL:
HC-13YR-1RF
PROP S/N: HK88A
REG. NO: 117CS
WORK ORDER:
8966-09-2016



Flightline Group, Inc.

3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 7/10/2017
A/C TSN: 1908.9
PROP TT: 1908.9
TSPOH: 0
TACH: 1908.9

Prop Entries

C/W Propeller Annual Inspection...R & R propeller for overhaul by Sunstate Propeller Inc., removed sludge from crankshaft during prop overhaul, ground operational and leak checks satisfactory.

The aircraft, engine, propeller or appliance identified above has been inspected per current FAA regulations in accordance with an Annual Inspection and found to be in an airworthy condition. This release in no way certifies future airworthiness.

DATE: 7/10/2017

SIGNED:

Work Order: 8966-09-2016

Fred Davis, IA: 2832998

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