

7707600-210 CA 378100

# AIRCRAFT TECHNICAL LOGS

Section 4. PROPELLER

The United States of America  
Department of Transportation  
**Federal Aviation Administration**  
Washington, D.C.

No. E395008

# Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (s)<sup>1</sup> of the Federal Aviation Administration, Numbered **P-920** has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product: **Aircraft Propeller**  
Manufacturer: **Hartzell Propeller Inc.**  
Model: **HC-C2YR-1BF/F7495S**  
Serial No.: **CH37816B**

New  Newly Overhauled

Used Aircraft

Country to which exported: **Canada**

Exceptions:

NONE



*C. Mouser*

**C. Mouser, DOA-100082-CE**  
Signature of Authorized Representative

**January 15, 2004**

Date

**Hartzell Propeller Inc. (PC-10)**  
District Office or Designee Number

<sup>1</sup>For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.

PROPELLER LOG

- 1. Make HARTZELL
- 2. Model HC-C2YR-1BF
- 3. Specification No. P-920
- 4. Date of Manufacture \_\_\_\_\_
- 5. Hub Serial No. CH 37816B
- 6. Blades
  - (a) Design No. F 74955
  - (b) Blade Serial Nos.
    - (i) J 98650
    - (ii) J 98652
    - (iii) \_\_\_\_\_
    - (iv) \_\_\_\_\_
    - (v) \_\_\_\_\_
  - (c) Pitch Setting
    - (i) Basic \_\_\_\_\_
    - (ii) High 35.0
    - (iii) Low 13.5
    - (iv) Reverse \_\_\_\_\_

# PROPELLER SERVICE AND

INSTALLATIONS, INSPECTIONS,  
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
06 JULY 2004			6	9

PROPELLER INSTALLED NEW ON DAY  
HOURS BROUGHT FORWARD


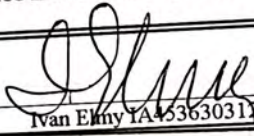
**NORTHERN AIR** N 500NA

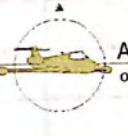
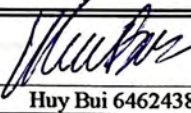
Prop log book entry      Date: 7/23/2004      Serial No: 40.367  
Make: Diamond      Model: DA40-180



Hobbs: 29.7  
Total Time: 29.7

Performed first 25hr/100hr inspection per Diamond aircraft maintenance manual.

The work identified above was performed in accordance with the Current Federal Aviation Regulations and was  
Work Order # \_\_\_\_\_ Signed: \_\_\_\_\_ for CRS N81R812N  
Northern Air Inc., P.O. Box 888380, Gerald R. Ford Int'l Airport, Grand Rapids, MI. 49588-8380

Model: Diamond DA40-180 S/N: 40.367 Reg #: N500NA Mod. Prop: HC-C2YR- Prop. S/N: 1BF/F7495S CH37816B	 <b>Air Center</b> of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 1828 Hobbs: 129.3 TTP: 129.3 TSPN: 129.3
Cleaned, dressed and painted propeller. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined to be airworthy this date.			
Date: December 10, 2004		Inspector:  Ivan Elmy IA45363031A&P	

Model: Diamond DA40-180 S/N: 40.367 Reg #: N500NA Mod. Prop: HC-C2YR- Prop. S/N: 1BF/F7495S CH37816B	 <b>Air Center</b> of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 1989 Hobbs: 228.9 TTP: 228.9 TSPN: 228.9
Cleaned, dressed and painted propeller. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined to be airworthy this date.			
Date: April 1, 2005		Inspector:  Huy Bui 646243821 A&P	

Model: Diamond DA40-180 S/N: 40.367 Reg #: N500NA Mod. Prop: HC-C2YR- Prop. S/N: 1BF/F7495S CH37816B	 <b>Air Center</b> of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2079 Hobbs: 325.1 TTP: 325.1 TSPN: 325.1
Cleaned, dressed and painted propeller. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined to be airworthy this date.			
Date: May 27, 2005		Inspector:  Huy Bui 646243821 A&P	

# MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.


SIGNATURE

LICENCE  
NUMBER

*S/N 40.367 AS PER STC No. SA01850XH*

*[Signature]*


DA  
Q 13

Model: Diamond DA40-180 S/N: 40.367 Reg #: N500NA Mod. Prop: HC-C2YR- Prop. S/N: 1BF/F7495S CH37816B	 <p style="margin: 0;"><b>Air Center</b> of Salt Lake</p>	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2195 Hobbs: 422.5 TTP: 422.5 TSPN: 422.5
---------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	----------------------------------------------------------

Cleaned, dressed and painted propeller. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined to be airworthy this date.

Date: August 23, 2005


Inspector: *[Signature]*  
Huy Bui 646243821 A&P

Model: Diamond DA40-180 S/N: 40.367 Reg #: N500NA Mod. Prop: HC-C2YR- Prop. S/N: 1BF/F7495S CH37816B	 <p style="margin: 0;"><b>Air Center</b> of Salt Lake</p>	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2338 Tach: 468.9 Hobbs: 524.4 TTP: 468.9 TSPN: 468.9
---------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------

All times are now calculated from the tachometer. Cleaned, dressed and painted propeller. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined to be airworthy this date.

Date: December 22, 2005

Inspector: *[Signature]*  
Huy Bui 646243821 A&P


Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <p style="margin: 0;"><b>AIR CENTER</b> OF SALT LAKE</p>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2557 Tach: 569.8 TTP: 569.8 TSPH: 569.8
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Cleaned, inspected, dressed and painted prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: July 07, 2006

Inspector: *[Signature]*  
Huy Bui 646243821 IA

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <p style="margin: 0;"><b>AIR CENTER</b> OF SALT LAKE</p>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2658 Tach: 669.8 TTP: 669.8 TSPH: 669.8
--------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	-------------------------------------------------------

Cleaned, inspected, dressed and painted prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.


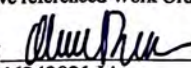
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.


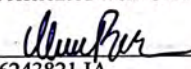
Date: September 23, 2006


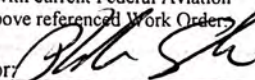
Inspector: *[Signature]*  
Huy Bui 646243821 IA


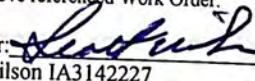
# PROPELLER SERVICE AND


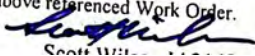
DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2760 Tach: 769.8 TTP: 769.8 TSPOH: 769.8
Cleaned, inspected, dressed and painted prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: January 05, 2007			Inspector:  Huy Bui 646243821 IA

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2887 Tach: 866.7 TTP: 866.7 TSPOH: 866.7
Cleaned, inspected, dressed and painted prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: April 25, 2007			Inspector:  Huy Bui 646243821 IA

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3266 Tach: 966.0 TTP: 966.0 TSPOH: 966.0
Cleaned, inspected & dressed. prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: February 14, 2008			Inspector:  Phanh Souvannarath A&P 467336414

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3427 Tach: 1065.8 TTP: 1065.8 TSPOH: 1065.8
Cleaned, inspected & dressed. prop. I certify that this propeller has been inspected in accordance with a 100 HR/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: June 26, 2008			Inspector:  Scott Wilson IA3142227

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3522 Tach: 1168.0 TTP: 1168.0 TSPOH: 1168.0
Cleaned, inspected & dressed. prop. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 11, 2008			Inspector:  Scott Wilson


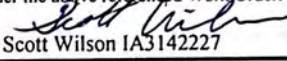
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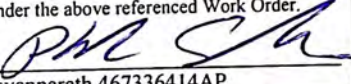
# MAINTENANCE RECORD


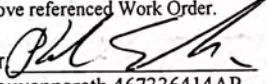
REPAIRS, ADJUSTMENTS, MODIFICATIONS  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.


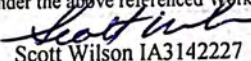
SIGNATURE


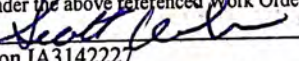
LICENCE NUMBER

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3673 Tach: 1264.9 TTP: 1264.9 TSPOH: 1264.9
Cleaned, inspected & dressed prop. I certify that this propeller has been inspected in accordance with a 100 HIR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: January 8, 2009		Inspector:  Scott Wilson IA3142227	


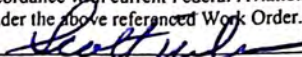
Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3901 Tach: 1364.4 TTP: 1364.4
Cleaned, inspected & dressed prop. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
August 13, 2009		Inspector:  Phan Souvannarath 467336414AP	

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4015 Tach: 1460.5 TPSN: 1460.5
Cleaned, inspected & dressed propeller. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: December 18, 2009		Inspector:  Phan Souvannarath 467336414AP	

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4064 Tach: 1559.4 TTP: 1559.4 TSPOH: 1559.4
Cleaned, inspected & dressed prop. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: February 26, 2010		Inspector:  Scott Wilson IA3142227	

Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4104 Tach: 45.0 TTP: 1657.5 TSPOH: 1657.5
Cleaned, inspected & dressed propeller. I certify that this propeller has been inspected in accordance with a 100HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: April 19, 2010		Inspector:  Scott Wilson IA3142227	

# PROPELLER SERVICE AND

DATE	Reg# N500NA Make: Hartzell Model: HC-C2YR-1BF HUB S/N: CH37186B	 <b>AIR CENTER</b> <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4226 Tach: 141.9 TTP: 1754.4 TSPOH: 1754.4
BROU FORW	Cleaned, inspected & dressed propeller. Serviced Prop with Acrosshell 5 grease. I certify that this propeller has been inspected in accordance with a 100HR inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.				Inspector:  Scott Wilson IA3142227
Date: October 5, 2010				

COMPLETE

PROP MODEL  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG NO N500NA  
WORK ORDER 21701

**Million Air - Salt Lake City**  
 Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE: 3/17/2011  
 A/C TSN 1811.8  
 PROP TT 1811.8  
 TACH 240.8

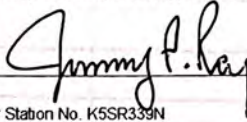
**Prop Entries**

**PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21701

DATE: 3/17/2011

SIGNED:



Work Order: 21701

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J.P.R.  
 Certified Repair Station No. K5SR339N

PROP MODEL  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG NO N500NA  
WORK ORDER: 22004

**Million Air - Salt Lake City**  
 Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE: 5/20/2011  
 A/C TSN 1911.3  
 PROP TT 1911.5  
 TACH 340.7

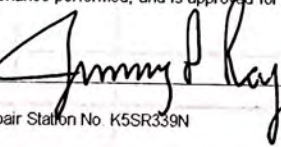
**Prop Entries**

**PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22004

DATE: 5/20/2011

SIGNED:



Work Order: 22004

Printed by EBis 3 (datcomedia.com)

J.P.R.  
 Certified Repair Station No. K5SR339N

PROP MODEL  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG NO N500NA  
WORK ORDER: 22335

**Million Air - Salt Lake City**  
 Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE: 8/9/2011  
 A/C TSN 2010.1  
 PROP TT: 2010.1  
 TACH 439.3

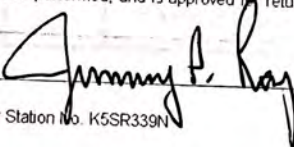
**Prop Entries**

**PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22335

DATE: 8/9/2011

SIGNED:



Work Order: 22335

Printed by EBis 3 (datcomedia.com)

J.P.R.  
 Certified Repair Station No. K5SR339N

TOTAL

TOTAL FROM  
PREVIOUS

TOTAL  
SINCE MFG.

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REPAIRS, ADJUSTMENTS, MODIFICATIONS  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICEN  
NUMB

PROP MODEL:  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG. NO. N500NA  
WORK ORDER: 22774

### Million Air - Salt Lake City

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE: 12/14/2011  
A/C TSN: 2108 3  
PROP TT: 2108 3  
HOBBS: 2658 3

#### Prop Entries

PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22774

DATE: 12/14/2011

SIGNED:

jay  
Certified Repair Station No. K5SR339N

Work Order: 22774

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ENGINE MODEL:  
IO-360M1A  
ENGINE S/N: L-31378-51A  
REG. NO. N500NA  
WORK ORDER: 23193

### Million Air - Salt Lake City

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE: 2/14/2012  
A/C TSN: 2155 8  
ENG TT: 2155 8  
TACH: 585

#### Engine Entries

ENGINE OIL DRAINED HOT. OIL FILTER REMOVED AND INSPECTED FOR CONTAMINANTS. NONE FOUND. INSTALLED NEW OIL FILTER P/N CH48110-1 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF A/S 15W-50. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23193

DATE: 2/14/2012

SIGNED:

jay  
Certified Repair Station No. K5SR339N

Work Order: 23193

Printed by EBis 3 (datcomedia.com)

PROP MODEL:  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG. NO. N500NA  
WORK ORDER: 23455



KEYSTONE AVIATION

### Keystone Aviation LLC

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE: 5/10/2012  
A/C TSN: 2206  
PROP TT: 2108 3  
TACH: 635.2

#### Prop Entries

PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23455

DATE: 5/10/2012

SIGNED:

jay  
Certified Repair Station No. K5SR339N

Work Order: 23455

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# PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				



**PRECISION PROPELLER SERVICE, INC.**  
4777 W AERONCA ST. BOISE, IDAHO U.S.A. 208-344-5161

Make: **Hartzell** Model: **HC-C2YR-1BF** S/N: **CH37816B** TT: **Not Given** TSOH: **-0-**

**DESCRIPTION OF WORK ACCOMPLISHED**

Overhauled and reconditioned in accordance with Hartzell S/M's 113B-R39, 133C-R27, 202A (Volumes 1-R42, 2-R28, 3-R32, 6-R29, 7-R34, 8-R29, 9-R30, 10-R31, 11-R32). Made liquid penetrant and magnetic particle inspections of all parts. Etched and penetrant inspected blade shanks and pilot bores. Eddy current inspected blade balance holes. Inspected blade shanks for conformity on optical comparator. Recontoured blade leading edges and tips and reconditioned blades. Checked blade width and thickness. Set angles and face alignment. Cold rolled blade shanks. Shot peened blade pitch change knobs and blade surfaces. Machined hub rear pilot tube bore for repair adapter. Anodized and painted hub and blades. Cadmium plated steel parts. Assembled prop with new seals. Set angles, track and balance. Safety wired. Complied with S/B 118F-R1, 136-RI. S/I 152A. S/L 154, 217, 229-R2, 267, 293-R1. AD 2007-26-09. Blade S/N's **J98650, J98652**

**MAINTENANCE RELEASE**

The work and/or inspection of the part or parts identified herein has been done in accordance with current Federal Aviation Administration Regulations and was found to be airworthy. Pertinent details of the repair are on file at this repair station under Work Order No: **27436** Dated: **May 7, 2012**

Signature of authorized person

F.A.A. CERTIFIED REPAIR STATION NO. FG6R534N

PROP MODEL:  
HC-C2YR-1BF  
PROP S/N CH37816B  
REG NO. N500NA  
WORK ORDER: 22961



**KEYSTONE AVIATION**

**Keystone Aviation LLC**

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE: 5/2/2012  
A/C TSN: 2206  
PROP TT: 2108.3  
TACH: 635.2

**Prop Entries**

PROPELLER M/N HC-C2YR-1BF S/N CH37816B REMOVED AND SENT TO PRECISION PROPELLER SERVICE INC CRS # FG6R534N WHERE UNDER THEIR W.O. 27436 DATED 05/07/12 IT WAS OVERHAULED. REINSTALLED PROPELLER M/N HC-C2YR-1BF S/N CH37816B PER DA40 AMM CHAPTER 61-20-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22961

DATE: 5/2/2012

SIGNED:

Work Order: 22961

JPR  
Certified Repair Station No. K5SR339N

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TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

# MAINTENANCE RECORD

**REPAIRS, ADJUSTMENTS, MODIFICATIONS**  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

**SIGNATURE**

PROP MODEL  
 HC-C2YR-1BF  
 PROP S/N CH37816B  
 REG NO N500NA  
 WORK ORDER 23973



**KEYSTONE AVIATION**

**Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 350-2085

DATE 8/30/2012  
 A/C TSN 2286.9  
 PROP TT 2286.9  
 TSOH 82.5  
 HOBBS 2902.5

**Prop Entries**

**PROPELLER M/N HC-C2YR-1BF S/N CH37816B REMOVED FROM AIRCRAFT N500NA WITH TT SINCE OVERHAUL OF 82.5 AND TOTAL TIME ON PROPELLER OF 2286.9**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23973.

DATE: 8/30/2012

SIGNED:

Work Order: 23973

JRay  
 Certified Repair Station No. K5SR339N

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1 of 1



**PRECISION PROPELLER SERVICE, INC.**

4777 W AERONCA ST. BOISE, IDAHO U.S.A. 208-344-5161

Make: **Hartzell** Model: **HC-C2YR-1BF** S/N: **CH37816B** TT: **2286.9** TSOH: **-0-**

**DESCRIPTION OF WORK ACCOMPLISHED**

Overhauled and reconditioned in accordance with Hartzell S/M's 113B-R40, 133C-R29, 202A (Volumes 1-R43, 2-R29, 3-R32, 6-R29, 7-R35, 8-R30, 9-R30, 10-R31, 11-R33). Made liquid penetrant and magnetic particle inspections of all parts. Etched and penetrant inspected blade shanks and pilot bores. Eddy current inspected blade balance holes and #2 blade bearing retention lip. Straightened #2 blade. Set angles and face alignment. Recontoured blade leading edges and tips and reconditioned blades. Checked blade width and thickness. Set angles and face alignment. Cold rolled blade shanks. Shot peened blade pitch change knobs and hub bearing cavities and blade surfaces. Anodized and painted hub and blades. Cadmium plated steel parts. Assembled prop with new seals. Set angles, track and balance. Safety wired. Complied with S/B 118F-R1, 136-RI. S/I 152A. S/L 154, 217, 229-R2, 267, 278, 293-R1. AD 2007-26-09. **Blade S/N's J98650, J98652**

**MAINTENANCE RELEASE**

The work and/or inspection of the part or parts identified heron has been done in accordance with current Civil Aviation Safety Regulations Approval No. 145/65100 and was found to be airworthy. Pertinent details of the repair are on file at this repair station under Work Order No: **27761** Dated: **November 14, 2012**

Signature of authorized person

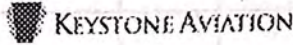
DGCA CERTIFIED REPAIR STATION NO: 145/65100

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
 OR LIFE

# PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				

PROP MODEL  
HC-C2YR-1BF  
PROP S/N CH37816B  
REG. NO N500NA  
WORK ORDER 23973



**Keystone Aviation LLC**  
 Repair Station No K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone 801 359-2085

DATE: 11/20/2012  
 A/C TSN 2298 5  
 PROP TT 2286 9  
 TSPOH 82 5  
 TACH: 727 7

**Prop Entries**

PROPELLER M/N HC-C2YR-1BF S/N CH37816B, REMOVED AND SENT TO PRECISION PROPELLER SERVICES CRS# FG6R534N UNDER THEIR W.O. 27761 DATED 11/14/12 IT WAS OVERHAULED AND RECONDITIONED. REINSTALLED PROPELLER M/N HC-C2YR-1BF S/N CH37816B PER DIAMOND DA-40 AMM CHAPTER 61-00-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23973

DATE: 11/20/2012

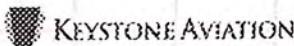
SIGNED:

sgoodfellow  
 Certified Repair Station No. K5SR339N

Work Order: 23973

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PROP MODEL  
HC-C2YR-1BF  
PROP S/N CH37816B  
REG. NO. N500NA  
WORK ORDER 24042



**Keystone Aviation LLC**  
 Repair Station No K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone 801 359-2085

DATE 11/20/2012  
 A/C TSN 2298 5  
 PROP TT 2298 5  
 TSPOH 92 5  
 TACH: 727 7

**Prop Entries**

PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 24042

DATE: 11/20/2012

SIGNED:

sgoodfellow  
 Certified Repair Station No. K5SR339N

Work Order: 24042

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CARRIED FORWARD

TOTAL THIS PAGE

# MAINTENANCE RECORD

**REPAIRS, ADJUSTMENTS, MODIFICATIONS**  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

**SIGNATURE**

**LICENCE NUMBER**

PROP MODEL:  
 HC-C2YR-1BF  
 PROP S/N: CH37816B  
 REG NO: N500NA  
 WORK ORDER: 24910



**KEYSTONE AVIATION Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE: 3/5/2013  
 A/C TSN: 2397.2  
 PROP TT: 2397.2  
 TSPOH: 191.2  
 TACH: 826.4

**Prop Entries**

**PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME. \*\*\*\*\*LIGHTLY DRESSED AND PAINTED PROPELLER**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 24910

DATE: 3/5/2013

SIGNED:

Work Order: 24910

jay  
 Certified Repair Station No. K5SR339N

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PROP MODEL:  
 HC-C2YR-1BF  
 PROP S/N: CH37816B  
 REG NO: N500NA  
 WORK ORDER: 25060



**KEYSTONE AVIATION Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE: 4/5/2013  
 A/C TSN: 2495.7  
 PROP TT: 2495.7  
 TSPOH: 289.7  
 TACH: 924.9

**Prop Entries**

**PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25060

DATE: 4/5/2013

SIGNED:

Work Order: 25060

jay  
 Certified Repair Station No. K5SR339N

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PROP MODEL:  
 HC-C2YR-1BF  
 PROP S/N: CH37816B  
 REG NO: N500NA  
 WORK ORDER: 25237



**KEYSTONE AVIATION Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801-933-7500

DATE: 5/10/2013  
 A/C TSN: 2595.4  
 PROP TT: 2595.4  
 TSPOH: 369.4  
 TACH: 1024.6

**Prop Entries**

**(6) PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.**

**(11) PROPELLER BLADES LIGHT DRESSED AND FACE PAINTED. AS NEEDED.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25237

DATE: 5/10/2013

SIGNED:

Work Order: 25237

Jimmy P. Ray  
 Certified Repair Station No. K5SR339N

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# MAINTENANCE RECORD

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

PROP MODEL:  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG NO: N500NA  
WORK ORDER: P1397



Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801-933-7500

DATE: 11/12/2013  
A/C TSN: 2745 5  
PROP TT: 2745 5  
TSPOH: 447  
TACH: 1174 7

**Prop Entries**

(2) PROPELLER M/N HC-C2YR-1BF S/N CH37816B REMOVED AND SENT TO PRECISION PROPELLER SERVICE INC CRS # FG6R534N WHERE UNDER THEIR W.O. 28727 DATED 11/08/13 IT WAS REPAIRED. REINSTALLED PROPELLER M/N HC-C2YR-1BF S/N CH37816B PER DA40 AMM CHAPTER 61-12-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1397

DATE: 11/12/2013

SIGNED:

Work Order: P1397

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

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1 of 1

PROP MODEL:  
HC-C2YR-1BF  
PROP S/N: CH37816B  
REG NO: N500NA  
WORK ORDER: P1496



Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801-933-7500

DATE: 2/3/2014  
A/C TSN: 2794 7  
PROP TT: 2794 7  
TSPOH: 588 7  
TACH: 1223 9

**Prop Entries**

(6) PROPELLER HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1496

DATE: 2/3/2014

SIGNED:

Work Order: P1496

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

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1 of 1

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
OR LIFE

# PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.	

B N500NA  
F  
S/N: 40.367

July 14, 2014

TACH: 1400.4

Remove prop spinner, clean and inspected. Clean spinner bulkhead and inspected, satisfactory at this time. Clean and inspected hub area, satisfactory at this time. Removed prop zerk fittings. Serviced prop hub with Aeroshell 5 grease, as per the Hartzell prop manual, No. 115N, Rev. 20. Reinstalled zerk fittings, and torqued. Performed ops run, cycled prop, found satisfactory at this time. All work done IAW Hartzell prop manual, No. 115N, Rev. 20.

*Susan Douglas AP# 3732173*

9-14-2014 1550

Removed propeller & sent to New England Propeller Service for repair - all work done (AW). Demand AMM & Hartzell propeller mm.

*Dick* W/O # 534314

9-15-4 TACH

HC-C2YR-1BF/F74955 S/NCH 37816B

PROPELLER DISASSEMBLED, CLEANED AND VISUALLY INSPECTED FOR GREASE LEAK REPAIR. ALL SEALS REPLACED. PROPELLER ASSEMBLED, SET ANGLES, TRACKED, BALANCED AND GREASED. THIS WAS THE ONLY WORK PERFORMED.

AUTHORIZED BY

W/O # CR 41128

*[Signature]*

FOR NEW ENGLAND PROPELLER SERVICE, INC.  
EAST HADDAM, CT  
FAA REPAIR STATION # RC2R130L  
1-800-878-6377

1-15-4 HC-C2Y 1BF/F74955 S/MCH

1. Approving Civil Aviation Authority/ Country: FAA/ United States  
**AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3; AIRWORTHINESS APPROVAL TAG  
 3. Form Tracking Number: 41128

4. Organization Name and Address: New England Propeller Service, Inc  
 FAA RSN RC2R130L  
 EASA 145.5972  
 6 Matthews Drive (P.O. Box 244)  
 East Haddam, CT 06423-2388  
 (860) 873-1494 · Fax: (860) 873-2388  
 5. Work Order/Contract/Invoice Number: CR- 41128

6. Item:	7. Description:	8. Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	HARIZEL PROPELLER	CR-1BF 74955	1	CH 37816B	REPAIRED

2. Remarks: THIS COMPONENT WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH MANUFACTURER'S MANUAL(S) 1136R41, 202A, V11R47, V3R34, U6R31, V8R32, V11R35. THE FOLLOWING WORK WAS PERFORMED:

PROPELLER DISASSEMBLED, CLEANED AND VISUALLY INSPECTED FOR GREASE LEAK REPAIR. ALL SEALS REPLACED. PROPELLER ASSEMBLED, SET ANGLES, TRACKED, BALANCED AND GREASED. THIS WAS THE ONLY WORK PERFORMED.

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.  14 CFR 43.9 Return to Service  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.

Authorized Signature: [Signature] 13e. Approval/Authorization No.: RC2R130L  
 Name (Typed or Printed): Arthur D'Onofrio, President 14c. Approval/Certificate No.: RC2R130L  
 13e. Date (dd/mmm/yyyy): 15-SEPT-2014 14d. Name (Typed or Printed): Arthur D'Onofrio, President  
 14e. Date (dd/mmm/yyyy): 15-SEPT-2014

**User/Installer Responsibilities**

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 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 the 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 must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

# MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

N500NA Date: 09/17/2014  
Diamond Aircraft DA-40 S/N: 40.367  
HC-C2YR-1BF/F7495S TACH: 1515.0

Received Hartzell Propeller P/N HC-C2YR-1BF/F7495S, S/N CH 37816B from New England Propeller Service Inc. WO# CR-41128. Dated 09/15/2014. Installed, torqued and safety wired Propeller M/N HC-C2YR-1BF/F7495S S/N CH 37816B. Performed blade tracking and found satisfactory at this time. Performed operational check and found satisfactory at this time. All work done IAW Hartzell propellers owner's manual 115N, and Diamond Aircraft AMM Rev. 7. *SOPHETOR N. M... AP # 3747227*

N500NA Date: 09/17/2014  
Diamond Aircraft DA-40 S/N: 40.367  
HC-C2YR-1BF/F7495S TACH: 1515.0

Performed 100 HR inspection IAW with FAR 43 App. D, using Diamond DA40 checklist as a guideline and Hartzell Propeller MM. I certify this propeller has been inspected and is deemed to be in an airworthy condition at this time.

*[Signature]* **AP# 554319**

**Twin City Airmotive (KFIT) Fitchburg MA 01420 tel. 978-342-8700 Twincity98@verizon.net**

Date: 7/31/15	Hobbs: 4052.5	Tach: 1612.6	N 500NA	<b>Propeller Annual</b>
ACTT: 3225.1	Prop TT:			Airframe Serial # <b>40.367</b>

**Performed the following annual inspection utilizing the manufacturer's annual inspection guide:**

1. Inspected the propeller's hub, bulkhead and blades. No defects noted. Dressed and painted the propeller blades as required.

-----End-----

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and /or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 7184 and a copy has been provided to the owner/operator.

I certify that this Propeller has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA

*[Signature]*

# PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD <span style="font-size: 2em;">→</span>					

Propeller - page 1 of 1

wo: WO\_444



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

**N500NA**  
Tach: 1637.4

**Hartzel, HC-C2YR-1BF, S/N: CH37816B**  
PTSO: 122.4      Hobbs: 4332.2

**December 27, 2019**

1. Performed 100hr/Annual inspection I/AW AC43.13-2B, Using Hartzell MM and Diamond checklist as a reference.
2. All AD's checked bi-weekly through this date.
3. All routine service items performed.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO\_444.

James T. Markey IA AP3166872IA

wo: WO\_557



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

**N500NA**  
Tach: 1738.4

**Hartzel, HC-C2YR-1BF, S/N: CH37816B**  
PTSO: 223.4      Hobbs: 4489.3

**May 8, 2020**

1. Performed Annual propeller inspection I/AW AC 43.13 Appendix D, using Hartnell Propeller Maintenance Manual as a guide.
2. Serviced propeller hub with Aeroshell 6 grease.
3. All routine service item performed.
4. AD's researched bi-weekly thru this date.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO\_557.

*James T. Markey AP3166872 IA*

wo: WO\_647



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

**N500NA**  
tach: 1836.2

**Hartzel, HC-C2YR-1BF, S/N: CH37816B**  
PTSO: 321.2      hobbs: 4632.0

**August 27, 2020**

1. Performed Annual propeller inspection I/AW AC 43.13 Appendix D, using Hartnell Propeller Maintenance Manual as a guide.
2. Serviced propeller hub with Aeroshell 6 grease.
3. All routine service item performed.
4. AD's researched bi-weekly thru this date.

With respect to the work performed, this propeller is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO\_647.

James T. Markey IA AP3166872IA

TOTAL SINCE MFG.		
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# PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

Model: DA40  
S/N. 40.367  
Reg # N500NA



Date: 7/16/2022  
Tach: 2270.6  
PTSOH: 755.6

1. Performed a 100hr inspection IAW AC43.13 Appendix D, using MT Propellor Maintenance Manual as a guide.
  2. Serviced propellor hub with Aeroshell 6 grease
  3. All routine service items performed
- AD's researched biweekly thru this date  
Propeller approved for return to service at this time  
Propeller inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time

*Zachary Braddock*  
Zachary Braddock 3310705 A&P

Model: DA40  
S/N. 40.367  
Reg # N500NA



Date: 10/21/2022  
~~Tach: 2270.6~~  
~~PTSOH: 853.9~~  
TACH: 2368.9  
*ZJB*

1. Performed a 100hr inspection IAW AC43.13 Appendix D, using MT Propellor Maintenance Manual as a guide.
  2. Serviced propellor hub with Aeroshell 6 grease
  3. All routine service items performed
- AD's researched biweekly thru this date  
Propeller approved for return to service at this time  
Propeller inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time

*Zachary Braddock*  
Zachary Braddock 3310705 A&P

Model: DA40  
S/N. 40.367  
Reg # N500NA



Date: 1/19/2023  
Tach: 2458.0  
PTSOH: 943.0

1. Performed an ANNUAL inspection IAW AC43.13 Appendix D, using Hartzell Propellor Maintenance Manual as a guide.
  2. Serviced propeller hub with Aeroshell 6 grease
  3. All routine service items performed
  13. AD's researched biweekly thru this date
- Propeller approved for return to service at this time  
Propeller inspected IAW an ANNUAL inspection and was determined to be in airworthy condition at this time

*Zachary Braddock*  
Zachary Braddock 3310705 A&P/IA

Model HC-C2YR-1BF  
S/N CH37816B  
Reg # N500NA  
WO# 29359

*Interstate Turbine Management*  
6070 Perimeter Rd.  
North Charleston, SC 29406

Date 7/27/23  
TACH 2558.2  
TTAF 2558.2

C/W 100hr inspection IAW FAR 43 Appx D checklist.

*Dr. P. Berkey*

CRS#I1BR578Y

TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

REPAIRS, ADJUSTMENTS, MODIFICATIONS  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
 NUMBER

Registration: N500NA  
 Propeller SN: CH378168  
 Propeller TTSN 0 TSO 1142.4  
 AC Serial Number: 40 367  
 Airframe TT: 2657.40  
 WO: 5916



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and propeller MMs. I certify that this propeller has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

Date: 10/10/2023

Signature:

Cody Scherer 3881095 A&P

Model: DA40  
 S/N: 40.367  
 Reg # N500NA



Date: 1/5/2024  
 Tach: 2758.6  
 PTSOH: 1243.6

1. Performed an ANNUAL inspection IAW AC43.13 Appendix D, using Hartzell Propellor Maintenance Manual as a guide.
  2. Serviced propeller hub with Aeroshell 6 grease
  3. All routine service items performed
  13. AD's researched biweekly thru this date
- Propeller approved for return to service at this time  
 Propeller inspected IAW an ANNUAL inspection and was determined to be in airworthy condition at this time

Zachary Braddock 3310705 A&P/IA

Registration: N500NA  
 Propeller SN: CH378168  
 Propeller TTSN N/A TSO 1342.3  
 AC Serial Number: 40 367  
 Airframe TT: 2857.30  
 WO: 7489



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the Diamond DA-40 and Hartzell MM's. I certify that this propeller has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed.

Date: 6/7/2024

Signature:

TRAPPER EVANS 4087361A&P

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
 OR LIFE



REPAIRS, ADJUSTMENTS, MODIFICATIONS  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER



3330 AIRPORT LOOP  
SALISBURY NC 28147  
[INFO@SOUTHTECAVIATION.COM](mailto:INFO@SOUTHTECAVIATION.COM)  
OFFICE: 704-431-6862

DATE: NOVEMBER 12, 2025 | PROPELLER MAKE/MODEL: HARTZELL HC-C2YR-1BF/F7495S | S/N: CH37816B | REG: N382KD  
TACH: 4754.5 HRS HRS. TTP: 4552.8 HRS. PTSO: 8.4 HRS.

REMOVED THIS PROPELLER FROM DIAMOND DA40 N382KD SERIAL NUMBER 40.788.

ALL WORK DONE IAW HARTZELL PROPELLER MAINTENANCE MANUAL, LYCOMING ENGINE MAINTENANCE MANUAL, AND DIAMOND AIRCRAFT DA40 MAINTENANCE MANUAL.

CHRISTIAN HEDRICK *Christian Hedrick*

A&P/IA 3740465



3330 AIRPORT LOOP  
SALISBURY NC 28147  
[INFO@SOUTHTECAVIATION.COM](mailto:INFO@SOUTHTECAVIATION.COM)  
OFFICE: 704-431-6862

DATE: MARCH 10, 2026 | PROPELLER MAKE/MODEL: HARTZELL HC-C2YR-1BF/F7495S | S/N: CH37816B | REG: N500NA  
TACH: 2940.3 HRS HRS. TTP: 4552.8 HRS. PTSO: 8.4 HRS.

PERFORMED ANNUAL INSPECTION IAW DIAMOND DA40-180 AIRCRAFT MAINTENANCE MANUAL CHECKLIST AND HARTZELL PROPELLER MAINTENANCE MANUAL. AD'S CHECKED THROUGH BI-WEEKLY NUMBER: 2026-05. NO AD'S DUE AT THIS TIME.

INSTALLED PROPELLER AND SPINNER.  
PERFORMED SATISFACTORY OPERATIONAL CHECK. NO FAULTS NOTED AT THIS TIME.  
ALL WORK DONE IAW HARTZELL PROPELLER MAINTENANCE MANUAL AND LYCOMING ENGINE MAINTENANCE MANUAL.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

CHRISTIAN HEDRICK *Christian Hedrick*

A&P/IA 3740465

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
OR LIFE

TOTAL THIS PAGE  
TOTAL FROM  
PREVIOUS SUMMARS  
TOTAL  
SINCE RECD