

# AIRCRAFT TECHNICAL RECORD

## Section 4. PROPELLER LOG

## PROPELLER LOG

1. Make:	HARTZELL
2. Model:	HC-C2YR-1N/N7605
3. Specification Number:	P-920
4. Date of Manufacture:	Nov 2012
5. Hub Serial Number:	NS1095B
6. Blades:	
a. Design Number:	N7605
b. Blade Serial Numbers:	
i. :	A6245
ii. :	A6241
iii. :	
iv. :	
c. Pitch Setting	
i. Basic:	
ii. High:	30
iii. Low:	11
iv. Reverse:	
v.	

Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS
	HOURS	MIN	HOURS	MIN	
BROUGHT FORWARD					



DIAMOND AIRCRAFT INDUSTRIES INC.  
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N464DS  
AC Serial Number: 40.1167  
Engine Serial Number: L-35926-51E  
Prop Serial Number: NS1095B  
Propeller Total Time: 4.0 hrs

Cycle Aviation 1005 Sycolin Rd Leesburg Executive Arpt Leesburg, VA 20175 CRS# 6LVR604C  
LOG ID# 2933 06-August-2015 WO# 3324/3 FORM M3 HOBBS 95.4  
N464DS S/N 40.1167 DIAMOND AIRCRAFT INC DA40 TACH 71.7  
Pg 1 / 1

Model: HC-C2YR-1N Serial#: NS1095B

Performed 100hr inspection IAW Diamond DA40 MM Ch 05-28-00, Hartzell owners manual and Title 14 CFR Appendix d.

I certify that this Propeller has been inspected IAW 100 Hour Inspection and has been found to be in Airworthy condition. The article identified above was repaired and inspected in accordance with current federal aviation regulations and current manufacturers manuals and is approved for return to service. Pertinent details on file at this repair station under above referenced work order.

Signed *Adam Snyder* 8-6-2015 Date

- Prop Total time Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.0 hrs
- Propeller installed new on DA 40, S/N: 40.1167 per STC No. SA02476CH-D
- Prop Dynamic Balance performed:
  - 8.9g located @ 240°
  - balanced to 0.083 IPS
- Bi-weekly AWD check carried out to current revision 2012-23, all applicable AD's complied with, see attached
- The work described above was carried out IAW the applicable Standard of Airworthiness.

*[Signature]*  
Inspector

NOV 3 0 2012  
date

(Intentionally left blank below this point)

PROP MODEL: HC-C2YR-1N/7605  
PROP S/N: NS1095B  
REG. NO: 464DS  
WORK ORDER: 5332-01-2013

**Premier Aircraft Service, Inc.**  
Repair Station No. 9PRR402B  
5540 NW 23rd Avenue Hanger 14  
Fort Lauderdale, FL 33309  
Phone: (954) 334-2383

DATE: 2/19/2013  
A/C TSN: 15.4  
PROP TT: 15.4  
TACH: 15.4

**Prop Entries**  
(3) REMOVED PROPELLER FOR AC INSTALL AND REINSTALLED, TORQUED, AND SAFTIED PER DA-40 MM CHPT 61.

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND / OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE.

DATE: 2/19/2013 SIGNED: *[Signature]* Work Order: 5332-01-2013  
Richie Quiles  
Certified Repair Station No. 9PRR402B Printed by EBis 3 (datcomedia.com)

PROP MODEL: HC-C2YR-1N  
PROP S/N: NS1095B  
REG. NO: N464DS  
WORK ORDER: 3461-07-2014

**ADVANCED Lancaster LP**  
530 Airport Rd.  
Lititz, PA 17543  
Phone: 717-735-5179

DATE: 7/28/2014  
A/C TSN: 59.8  
PROP TT: 59.8  
HOBBS: 79.4

**Prop Entries**  
Diamond DA40 Propeller Annual Inspection completed IAW Diamond Aircraft DA-40 Series AMM, 05-20-00, 4.A (3), items 1-10. No faults found. All Ad's current thru 2014-14.

I certify that this PROPELLER has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 7/28/2014 SIGNED: *[Signature]* Work Order: 3461-07-2014  
Richard A. Barnhart II, IA 3124994AP Printed by EBis 3 (datcomedia.com)

Cycle Aviation 1005 Sycolin Rd SE Leesburg Executive Arpt Leesburg, VA 20175 CRS# 6LVR604C  
LOG ID# 4181 11-July-2016 WO# 4420 FORM M3 AC TT 114.7 HOBBS 159.2  
N464DS S/N 40.1167 DIAMOND AIRCRAFT INC DA40 TACH 114.7 TSNEW 114.7  
Pg 1 / 1

Propeller: Hartzell M/N HC-C2YR-1N, S/N NS1095B

> Performed Propeller inspection using Diamond DA 40 MM 05-28-50 Maintenance checks and Hartzell Manual 115N as a guide. Applicable AD's have been reviewed thru 2016-14. See Propeller AD listing for details.

The work identified above was performed in accordance with current Federal Aviation Regulations and current manufacturers manuals and is approved for return to service. Pertinent details on file at this repair station under above referenced work order.

I certify that this Propeller has been inspected IAW a 100 Hour Inspection and has been found to be in Airworthy condition.

Signed *Charlie Schoenduby*  
Signed: CRS# 6LVR604C Charlie Schoenduby



353 Airport  
Tyler, Texas 75704

Date: 7/12/2017  
HM: 242.4  
TTSN: 185.8

**N464DS Propeller Log**  
Performed an annual inspection using DA40 MM05-28-50 checks and Hartzell Manual 115N guide.

1. See complete AD list in log folder. All applicable Ads complied with.

2 The work was performed in accordance with current FAA regs.

I certify that this propeller has been inspected in accordance with an annual inspection and was found to be in airworthy condition.

*[Signature]*  
Rex Johnson  
A&P 3129314 IA

THIS PAGE TOTAL	
PREVIOUS TOTAL BROUGHT FORWARD	
TOTAL SINCE NEW	



Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS
	HOURS	MIN	HOURS	MIN	
9/5/18	Hobbs:	0424.8			Prop. Inspected this date & time for ANNUAL Inspection using DA40 MM 05-28-50 inspection checklist & Hartzell manual 115N guide. AD list updated & Renewed thru issue 2018-15. See AD Compliance Record.
	TTP:	0368.2			
	TSN:	0368.2			
BROUGHT FORWARD					
I certify that this <u>Propeller</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition at this time. Aircraft approved for return to service.					
Name <u>T.P. Homan</u> Cert # <u>AP/IA 2854191</u>					
FMD					

Reg #: N464DS	Make: Diamond	Model: DA40	Tach: Hobbs:
AC S/N: 40.1167	ACTT: 620.3		TSN:
M/N: HC-C2YR-1N/N7605	S/N: NS1095B		
1. Performed 100 hr inspection IAW Diamond DA40 AMM 05-28-00 and 05-28-50. AD research completed up to and including 08/19/20.			
I certify that this aircraft has been inspected IAW a 100hr inspection and has been determined to be in airworthy condition.			
All work performed IAW current FAA regulations and current manufacturers technical data. The work performed above is approved for return to service.			
For details of work performed, see workorder on file with repair station.			
Signature: <u>[Signature]</u>		Date: 08/19/2020	Work Order: 20-00743
For: Avflight Rochester Corporation CRS J22R845J 1205 Scottsville Rd Rochester, NY 14624			



October 4, 2019  
Diamond DA40  
AFTTIS: 0426.8  
TTP: 0426.8

Chatham Municipal Airport, 240 George Ryder Rd. Chatham, MA 02633  
Tel (508) 945-5747, Fax (508) 945-9599. sticknrudderaero@comcast.net  
Visit us on the web at www.chathamairport.com

Propeller Entry  
Hartzell HC-C2YR-1N/N7605  
Hub Serial#: NS1095B

ANNUAL INSPECTION: c/w per Diamond DA40 Series Maintenance Manual, section 05-28, Hartzell Guide 115N & FAR 43 Appendix D. Scheduled servicing & lubrication performed per manual instructions. The following items were also accomplished:  
1) Updated ADs thru issue 2019-18. New AD Compliance List printed and copy placed in ship records  
2) Prop test run & all systems ops checked - all normal, no leaks noted.

I certify that this propeller has been inspected in accordance with an ANNUAL INSPECTION & was determined to be in an airworthy condition at this time. Propeller approved for return to service.

Seth E. Dietrich A&P/IA 3212640

Reg #: N464DS	Make: Diamond	Model: DA40	Tach: Hobbs:
AC S/N: 40.1167	ACTT: 720.6		TSN:
M/N: HC-C2YR-1N/N7605	S/N: NS1095B		
1. Performed Annual/100hr inspection IAW Diamond DA40 AMM 05-28-00 and 05-28-50. AD research completed up to and including 10/17/20.			
I certify that this aircraft has been inspected IAW a Annual/100 hr inspection and was found to be in airworthy condition.			
All work performed IAW current FAA regulations and current manufacturers technical data. The work performed above is approved for return to service.			
For details of work performed, see workorder on file with repair station.			
Signature: <u>[Signature]</u>		Date: 10/17/2020	Work Order: 20-00796
For: Avflight Rochester Corporation 1205 Scottsville Rd Rochester, NY 14624			

Reg #: N464DS	Make: Diamond	Model: DA40	Tach: 0.0
AC S/N: 40.1167	ACTT: 523.2	Hobbs: 0.0	TSN: 0.0
M/N: HC-C2YR-1N/N7605	S/N: NS1095B	TSO: 0.0	
1. Performed a 100hr inspection IAW Diamond DA40 AMM 05-28-00 and 05-28-50. AD research has been performed up to and including 05/26/20.			
I certify this aircraft has been inspected IAW a 100hr inspection and was determined to be in airworthy condition.			
All work performed IAW current FAA regulations and current manufacturers technical data. The work performed above is approved for return to service.			
For details of work performed, see workorder on file with repair station.			
Signature: <u>[Signature]</u>		Date: 05/26/2020	Work Order: 20-00709
For: Avflight Rochester Corporation CRS J22R845J 1205 Scottsville Rd Rochester, NY 14624			



Tail: N464DS A/C TT: 1053.9 Make/Model: Diamond DA-40 S/N: 40.1167

Removed Prop Governor Hartzell P/N S-1-6 / S/N G1360NJ and sent to New England Propeller Services for evaluation and repair - Reinstalled same upon return using new prop governor gasket - reference 8130-3 tag dated 05/Jan/2021. Set Propeller control travel. Engine was ground run and operationally checked - RPM ok at 2700 red line - prop control checked thru all power settings satisfactory - no leakage noted on post maintenance run inspection.

This aircraft has been repaired and is approved for return to service with respect to the work accomplished. Pertinent details are on file at this facility under work order R00455.

[Signature]  
Michael A. Sears Manager of Quality/Inspection

Date: January 11, 2021  
Calspan Corporation CRS # 2C3R049L

TOTAL  
SINCE NEW

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# Section 4A: Propeller Service and Maintenance Record



3330 AIRPORT LOOP  
SALISBURY, NC 28147  
OFFICE: 704-431-6862  
INFO@SOUTHTECAVIATION.COM

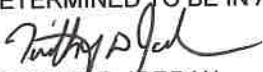
DATE JANUARY 4, 2023 | HARTZELL | MODEL: HC-C2YR-1N/N7605 | S/N: NS1095B | REG: N464DS

TACH: 1040.3 HRS. TTP: 1040.3 HRS. TSMOH: N/A  
1305.0 1305.0

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM, INSPECTION CHECKLIST, AND HARTZELL PROPELLER MAINTENANCE MANUAL.

CHECKED AD'S THROUGH 2023-01 NO AD'S DUE AT THIS TIME.

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

  
TIMOTHY D JORDAN

A&P/IA 3264477



Air America Aviation Services  
28331 Lemoyne Rd  
Millbury OH 43447  
800-942-4723 (419) 837-2602

Make: DIAMOND AIRCRAFT IND INC  
Model: DA 40  
Tail: N464DS  
S/N: 40.1167

Hours: Tach: 2042.6 PTT: 2042.6

Inspected Propeller per Diamond Aircraft 100HR / Annual inspection check list, Hartzell Propeller maintenance manual and FAR 43 Appendix "D" in scope and detail. Completed AD check and compliance thru 24-04. All AD's current as of this date and total time. I certify that this Propeller has been inspected in accordance with an 100 hr / annual inspection and was determined to be in airworthy condition and returned to service on this date and total time.  
-----End-----

Signed:



Name: Jonah T. Neary

Cert: A&P 3870576 IA

Date: 04/08/2024

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TOTAL

PREVIOUS TOTAL  
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DATE  / /	A/D, S/B, S/I, MODS	DETAILS OF WORK OR INSPECTION PERFORMED

