UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N825TD	Diamond Aircraft Industries Inc. Model DA 42	42.AC098	Normal

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions: None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
NOV 17 2007	Gregg A. Behonick	NE-MIDO-46

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

GPO U.S. GOVERNMENT PRINTING OFFICE 2006–553-543

DATE OF ISSUE October 19, 2020 EXPIRATION DATE October 31, 2023	Steve Dickson ADMINISTRATOR	of Transportation Federal Aviation Administration

AC Form 8050-3 (10/2019) Supersedes previous editions

N825TD Inspection Tracking

1551.9 — as of: **4/11/22**

Monthly Utilization: 30.0
Estimated Hours: 1551.9
Annual Done: 4/11/22

ATA	Component	Maintenance	Interval Hrs	Interval Yrs	Last Performed Hours	Last Performed Date	Next Due Hours	Next Due Date	
22	Autopilot KAP140	Mechanical Check	1000	1			1000.0	Jan-01	OD
24	Main Battery Concorde	Cap Check	1000	1			1000.0	Jan-01	OD
26	Fire Extinguisher	Overhaul		10				Jan-10	OD
29	Hydraulic Reservior Air Filter	Check	1000				1000.0		OD
30	Deice Fluid Strainer	Clean		1				Jan-01	OD
34	***Static (91.411), Report (91.217/413)**	**Leak Test, Op Check**	**1000**	**2**	**1527.0**	**Sep-20**	**2527**	**Sep-22**	
34	Magnetic compass	Compensate		2				Jan-02	OD
51	***Bonding and static discharging**	**Resistance Check**	**1000**	**4**	**1551.6**	**May-21**	**2551.6**	**May-25**	
	Airframe Life-Limited Components								
24	***Emergency battery (or after use)**			**2**		**Apr-22**		**Apr-24**	
24	Alternator Batteries			1				Jan-01	OD
24	***ECU backup batteries**			**1**		**Apr-22**		**Apr-23**	
25	Safety harness, front&rear			12				Jan-12	OD
25	**ELT battery (or after use)**		**Date on Unit**					**Apr-27**	
28	Fuel tank vent hoses			8				Jan-08	OD
28	Fuel hoses tanks to filters			8				Jan-08	OD
28	***Fuel filters**		**100**	**1**	**1551.9**	**Apr-22**	**1651.9**	**Apr-23**	
29	Hydraulic Pump Filter		1000				1000.0		OD
29	Deice Filter Cartridges		2000				2000.0		
32	Brake fluid			3				Jan-03	OD
32	Hydraulic fluid			2				Jan-02	OD
71	Air filters		200				200.0		OD

***AMM 04-00-00 Airworthiness Limitations**

Engine Life Limited Components				LEFT					RIGHT				
Component	Maintenance												
Engine (2.0L - V.1)	Overhaul	1500	12	605.0	Oct-07	2105.0	Oct-19	OD	0.0	Nov-07	1500.0	Nov-19	OD
Timing Chain (2.0L - V.1)	**Replace**	**910**		**1551.6**		**2461.6**			**898.4**		**1808.4**		
Gearbox (Clutch)	**Replace**	**300**		**1551.6**		**1851.6**			**1551.6**		**1851.6**		
Clutch Friction Disk	**Replace**	**900**		**898.4**		**1798.4**			**898.4**		**1798.4**		
Flat Belt (2.0L)	**Replace**	**1200**		**605.0**		**1805.0**			**1527.0**		**2727.0**		
Engine/Gearbox Oil & Filters	**Replace**	**100**		**1551.9**		**1651.9**			**1551.9**		**1651.9**		
Alternator	**Replace**	**600**		**1213.2**		**1813.2**			**1074.9**		**1674.9**		
High Pressure Pump	**Replace**	**600**		**1139.6**		**1739.6**			**1213.2**		**1813.2**		
Feed Pump	**Replace**	**600**		**1551.6**		**2151.6**			**1551.6**		**2151.6**		
Rail Pressure Control Valve	**Replace**	**600**		**1298.3**		**1898.3**			**1200.0**		**1800.0**		
Coolant	**Replace**	**1200**	**2**	**1551.6**	**May-21**	**2751.6**	**May-23**		**1551.6**	**May-21**	**2751.6**	**May-23**	
All Hoses	**Replace**		**5**		**May-21**		**May-26**			**May-21**		**May-26**	
Propeller Life-Limited Components													
Component	Maintenance												
Propeller MTV-6	Overhaul	2400	6	1527.0	Aug-20	3927.0	Aug-26		1507.1	Dec-14	3907.1	Dec-20	OD
Accumulator	Overhaul	2000	6			2000.0	Jan-06	OD			2000.0	Jan-06	OD

Airworthiness Directive Compliance Record
Chronological Listing - FAA Style

N825TD 42.AC098

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
07-12-05 07/16/07	AUXILIARY FUEL TANK VENTING SYSTEM/	9/22/21	N/A by S/N	X		N/A	David Seastead AP3492477 IA
07-12-24 07/19/07	PROPELLER CONTROLS TO ENGINE GEARBOX ATTACH BRACKET/	9/22/21	N/A by S/N	X		N/A	David Seastead AP3492477 IA
07-13-16 08/10/07	AFM, WING STUB SAFETY WALK SURFACE/	9/22/21	N/A by S/N	X		N/A	David Seastead AP3492477 IA
07-23-14 12/26/07	ENGINE FADEC MOMENTARY LOW VOLTAGE/	9/22/21	OSB42-050	X		N/A	David Seastead AP3492477 IA
08-06-52 04/30/08	FUEL PUMP TO FUEL RAIL HIGH PRESSURE LINE/	9/22/21	TAE125-1005	X		N/A	David Seastead AP3492477 IA
08-16-20 09/17/08	AILERON CONTROL SYSTEM BELLCRANKS AND PUSH ROD ENDS/	9/22/21	MSB42-043	X		N/A	David Seastead AP3492477 IA
08-22-23 11/19/08	ENGINE CLUTCH DISC SPRINGS/	9/22/21	TAE125-1006	X		N/A	David Seastead AP3492477 IA
*08-23-08 12/22/08	REAR RIGHT HAND ENGINE SUPPORT BRACKET/	9/22/21	N/A by Engine Model		X	N/A	David Seastead AP3492477 IA
*10-06-12 R1 02/03/12	FUEL RAIL PRESSURE CONTROL VALVE/	9/22/21	TAE125-1008, Replace every 600hrs		X	1898.3 / 1800.0	David Seastead AP3492477 IA
*10-11-09 R1 04/11/12	PROPORTIONAL PRESSURE REDUCING VALVE/	9/22/21	TAE125-1007 / TAE125-1009, Replace every 300 hours		X	1851.6	David Seastead AP3492477 IA
*11-05-06 03/30/11	TIMING CHAIN/	9/22/21	TAE125-1010, replace every 910 hours		X	2461.6 / 1808.4	David Seastead AP3492477 IA
11-10-13 06/17/11	AFM, REAR PASSENGER DOOR RETAINING BRACKET/	9/22/21	MSB42-083	X		N/A	David Seastead AP3492477 IA
11-11-07 07/06/11	MAIN LANDING GEAR DAMPER-TO-TRAILING ARM JOINTS/	9/22/21	MSB42-091	X		N/A	David Seastead AP3492477 IA
12-02-05 03/02/12	ENGINE GEARBOX CLUTCH FRICTION DISK/	9/22/21	TAE125-1013	X		N/A	David Seastead AP3492477 IA
12-17-07 10/11/12	CENTER WING SPAR TO UPPER CENTER WING SKIN BOND/	9/22/21	N/A by S/N	X		N/A	David Seastead AP3492477 IA
12-26-12 02/13/13	OIL FILLER PLUG VENT HOLE BLOCKAGE/	9/22/21	TAE125-1015	X		N/A	David Seastead AP3492477 IA
12-26-13 02/13/13	FADEC SOFTWARE MAPPING VERSIONS/	9/22/21	TAE000-0007	X		N/A	David Seastead AP3492477 IA
13-07-01 05/20/13	MAIN LANDING GEAR SHOCK ABSORBER OVEREXTENSION/	9/22/21	MSB42-095	X		N/A	David Seastead AP3492477 IA

** Indicates Possible Recurring Inspections* *Tdata, Inc. (Tdata.com)*

13-19-11 10/31/13	NLG ACTUATOR ATTACHMENT LEVER TO ROD END WASHER CLEARANCE/	9/22/21	N/A by P/N	X		N/A	David Seastead AP3492477 IA
14-17-03 10/02/14	HIGH PRESSURE FUEL PUMP/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
15-02-01 02/13/15	CLUTCH ASSEMBLY DISC SPRINGS/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
15-21-01 11/27/15	GEARBOX DRIVE SHAFT/	9/22/21	N/A by Mod Status	X		N/A	David Seastead AP3492477 IA
16-07-19 05/09/16	FUEL FEED PUMP/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
***17-18-10** 10/11/17	FLAP BELL CRANK INTEGRITY/	4/11/22	MSB42-126/1 Terminating Action		X	N/A	David Seastead AP3492477 IA
17-19-15 10/31/17	GEARBOX RADIAL SHAFT SEALING RING OIL LEAKAGE/	9/22/21	N/A by S/Ns	X		N/A	David Seastead AP3492477 IA
***18-10-10** 06/12/18	ENGINE EXHAUST PIPE AND PIPE CLAMPS INTEGRITY/	4/11/22	MSB42-129		X	1601.9	David Seastead AP3492477 IA
20-26-06 12/29/20	TURBOCHARGER HOSE DEFECTS/	9/22/21	N/A by S/Ns	X		N/A	David Seastead AP3492477 IA
***21-22-03** 12/21/21	NLG ACTUATOR ATTACHMENT LEVER FAILURE/	4/11/22	MSB42-136/1		X	1751.9	David Seastead AP3492477 IA
22-03-01 03/17/22	FUEL TANK HOSE MATERIAL DISSOLVING/	4/11/22	N/A by P/Ns and Dates	X		N/A	David Seastead AP3492477 I

13-19-11 10/31/13	NLG ACTUATOR ATTACHMENT LEVER TO ROD END WASHER CLEARANCE/	9/22/21	N/A by P/N	X		N/A	David Seastead AP3492477 IA
14-17-03 10/02/14	HIGH PRESSURE FUEL PUMP/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
15-02-01 02/13/15	CLUTCH ASSEMBLY DISC SPRINGS/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
15-21-01 11/27/15	GEARBOX DRIVE SHAFT/	9/22/21	N/A by Mod Status	X		N/A	David Seastead AP3492477 IA
16-07-19 05/09/16	FUEL FEED PUMP/	9/22/21	N/A by P/Ns	X		N/A	David Seastead AP3492477 IA
***17-18-10** 10/11/17	FLAP BELL CRANK INTEGRITY/	4/11/22	MSB42-126/1 Terminating Action		X	N/A	David Seastead AP3492477 IA
17-19-15 10/31/17	GEARBOX RADIAL SHAFT SEALING RING OIL LEAKAGE/	9/22/21	N/A by S/Ns	X		N/A	David Seastead AP3492477 IA
***18-10-10** 06/12/18	ENGINE EXHAUST PIPE AND PIPE CLAMPS INTEGRITY/	4/11/22	MSB42-129		X	1601.9	David Seastead AP3492477 IA
20-26-06 12/29/20	TURBOCHARGER HOSE DEFECTS/	9/22/21	N/A by S/Ns	X		N/A	David Seastead AP3492477 IA
***21-22-03** 12/21/21	NLG ACTUATOR ATTACHMENT LEVER FAILURE/	4/11/22	MSB42-136/1		X	1751.9	David Seastead AP3492477 IA
22-03-01 03/17/22	FUEL TANK HOSE MATERIAL DISSOLVING/	4/11/22	N/A by P/Ns and Dates	X		N/A	David Seastead AP3492477 IA

2022.07

AIRCRAFT S/N
42.AC098

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N825TD
2. Manufacturer's Designation DA 42
3. Manufacturer's Serial Number 42.AC098
4. Type Approval or Specification Number A-247/A57CE
5. Date of Manufacture 2007
6. Aircraft Inspection Cycle

AIR TIME AND ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW

Diamond

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

SERIAL NUMBER: 42.AC098

REGISTRATION MARK: N825TD

Diamond

07 NOVEMBER 2007 S/N 42.AC098
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150	
STEER	360	031	059	090	119	150	
FOR	S	210	240	W	300	330	
STEER	181	210	240	270	299	330	

Diamond

I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Standard 571, Appendix F F.A.R. 91:217: & F.A.R. 91:413.

DATE	INSPECTOR
08 November, 2007	DA Q 42

Diamond

INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE	INSPECTOR
08 November, 2007	DA Q 20

NOV 08 2007	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
NOV 08 2007			1.	5	
NOV 10 2007			3.	0	AIRCRAFT SERVICEABLE FOR FLIGHT
NOV 10 2007			3.	0	AIRCRAFT SERVICEABLE FOR FLIGHT
NOV 13 2007			3.	6	
NOV 13 2007			5.	0	
NOV 13 2007			5.	0	ALL DISCREPANCIES RECTIFIED
NOV 14 2007					

Diamond

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

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.

DATE	INSPECTOR
NOV 14 2007	DA Q 42

			5.	0	CARRIED FORWARD

13-19-11 10/31/13	NLG ACTUATOR ATTACHMENT LEVER TO ROD END WASHER CLEARANCE	
14-17-03 10/02/14	HIGH PRESSURE FUEL PUMP	
15-02-01 02/13/15	CLUTCH ASSEMBLY DISC SPRINGS	9/22/1
15-21-01 11/27/15	GEARBOX DRIVE SHAFT	9/22/1
15-07-15		9/22/1

ENGINEERING RECORD

1

INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
...TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		

Diamond

I certify that the Static Pressure system has been inspected and tested in accordance with Standard 571, Appendix B of the Airworthiness Manual, and F.A.R. 91:411

DATE	INSPECTOR
08 November, 2007	DA Q 42

Diamond

The ELT was tested and inspected in Accordance with Standard 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ANNUAL INSPECTION DUE: NOVEMBER 2008
BATTERY DUE: SEPTEMBER 2009

DATE	INSPECTOR
...ovember, 2007	DA Q 42

Diamond

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

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE	INSPECTOR
08 November, 2007	DA Q 42

DA Q 42
DA Q 42
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DA Q 42
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DA Q 42
DA Q 42
DA Q 42

Diamond

U.S. Standard Airworthiness Certificate, issued:

(Date) NOV 17 2007, has been installed in the aircraft on behalf of NE-MIDO-46 on:

(Date) NOV 17 2007

(Print) H. NEMATPOR (Signature) H. Nem

DEPARTMENT OF TRANSPORT - MINISTÈRE DES TRANSPORTS
Délégué de l'Aviation civile
Canada
0362
Civil Aviation Delegate

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	
BROUGHT FORWARD					
27NOV.2007			5.	0	
			5.	0	
4-29-08		1075			INSPECTED AIRFRAME FOR A 100HR PER CFR43 APP D R&R BOTH FUEL FILTERS I CERTIFY THAT THIS AIRFRAME / ~~ENGINE~~ HAS BEEN INSPECTED IN ACCORDANCE WITH A ~~100 HOUR / ANNUAL INSPECTION~~ AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A&P2796559
6-24-08		207.8			INSPECTED AIRFRAME FOR A 100HR INSP PER CFR 43 APP D R&R BOTH FUEL FILTERS I CERTIFY THAT THIS AIRFRAME / ~~ENGINE~~ HAS BEEN INSPECTED IN ACCORDANCE WITH A ~~100 HOUR / ANNUAL INSPECTION~~ AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A&P2796559

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL

Diamond

Date: 27 November, 2007 S/N: 42.AC098 Reg.: N825TD
WO # RO-07-271 TACH: 5.0 Hrs.

Following work carried out by Service center:

Left engine ECU failure light on.
Left engine ECU fault log checked.
Low category warnings cleared per Thielert Operation and Maintenance Manual Section 4.4.3.
Engine ground run and Fadec ECU test carried out satisfactory.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

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

Signature Brian Halberstadt Lic or Stamp DA RO12

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT (TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.)	SIGNATURE	LICENCE NUMBER
		DA Q 42
AD 07-23-14 Pk/w ECU Back up Battery Installed		

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes

REG. N825TD TYPE DA 42 TACH 304 A/C TT 304

Annual inspection C/W IAW FAR 43 app D, AD's researched thru 08-22, 08-16-20 c/w IAW MSB42-043/1 07-13-16 c/w by install of new wing walks, c/w MSB42-035 coolant caps tested-due each 200 hrs., c/w MSB42-008/7 by updating to version 17, resaftied emergency power switch guard, r/r RB-0700 air filters, r/r right main tire, r/r alternator exitation batteries p/n LC-R121R3PU, r/r aux fuel drain p/n CAV180 bled aux fuel lines to allow xfer, r/r nose tire (10 ply) and balanced, r/r nose axle bolt pn DIN931-M8x130, ELT tested IAW FAR 91.207d, bat due Sept.2009, rudder cables inspected and lubed, r/r L/H gear door hinge p/n D60-5287-73-00, gear swings and manual extension tests OK, nacelle fuel filters R/R.

I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature Craig Bloomer AP391787114IA Date 4-Nov-2008

11/25/08 30f.8 R/R Flap position "UP" lamp AP391787114

AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW FOR QUOTES.
BROUGHT FORWARD 12/30/08			334.2		C/W MSB 42-062, Installed kit IAW WI 42-062 AP3912871114
Feb 11, 09 (50 hr)			358.0		R/R Nacelle Fuel filters, P/N 05-7310-K00200J, Bled both line assy.'s, serviced tires Ground Run OK AP3912871114
Mar 4, 09	Tach 370.7				R/R 1 Nose wheel bearing and 1 race AP3912871114
March 31, 09	376.0				R/R L/H Main tire & tube AP3912871114

SUN AVIATION, INC. Vero Beach, FL (VRB)
Date: 03/03/09 Airframe Log N825TD
Hobbs: 370.1 Model: DA42 Aircraft SN: 42-AC098
ACTT: 370.1
Replaced nose gear ~~tire~~ tube, P/N 500X5.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO# 25693.

Signature: George Sayre A&P 3308480 George Sayre
Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

CARRIED FORWARD

13-19-11 10/31/13	NLG ACTUATOR ATTACHMENT LEVER TO ROD END WASHER CLEARANCE/	N/A by P/N
14-17-03 10/02/14	HIGH PRESSURE FUEL PUMP/	N/A by P/Ns
15-02-01 02/13/15	CLUTCH ASSEMBLY DISC SPRINGS/	N/A by P/Ns
15-21-01 11/27/15	GEARBOX DRIVE SHAFT/	N/A by Mod Summary
16-07-19 05/09/16	FUEL FEED PUMP/	N/A by Mod Summary

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005
PrimePlanes

REG. N825TD TYPE DA42 TACH 403.3 A/C TT 403.3

Annual inpection completed IAW FAR 43 app D, AD's researched thru 09-06, 08-23-08 D/N/A by type, ELT tested IAW FAR 91.207d, bat due 9/2009, gear retractions OK, manual extension OK, serviced all bearings and lube points, CB

I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature Craig Bloomer AP391787114A Date 14-Apr-2009

May 22, 09 TT 419.9 Installed Aux fuel xfer valve modification IAW ~~RSB 42-066~~ as per WI RSB42-066 AP3912871114

June 30, 09 TT 437.0 Installed new Nose pivot bolt P/N D60-3233-82-00_01 IAW ~~MSB 42-070/1~~ AP3912871114

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005
PrimePlanes

REG. N825TD TYPE DA42 TACH 503.2 A/C TT 503.2

Annual Inspection completed IAW FAR 43 app D, AD research thru 09-20, ELT tested IAW FAR 91.207d ELT battery due R/R: Sept 2012, R/R left and right main tires, R/R left brake linings, MSB42-008/11 is within compliance, R/R left aft gear door brkt p/n D60-5287-73-00, gear swings test OK, ~~MSB42-035 C/W~~ by testing presure, R/R left cap, p/n D60-7526-30-29-KIT, R/R 4 ECU backup batteries, due R/R Oct 2011, R/R 2 alternator excitation batteries, due R/R Oct 2010, emergency battery due R/R Nov 2009. serviced wheel bearings, greased landing gear, lubed rudder pivots, serviced brake fluids, FADEC downloaded, all parameters show OK.

I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature Craig Bloomer AP391787114IA Date 23-Oct-2009

April 1, 2010 TT 578.8 R/R Left Main tire. A+P3067365

E AND

ENGINEERING RECORD

USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE

ALTIMETER SCALE CORRECTIONS

Altimeter Model 5934PD-3 SN 463647

Altimeter Reads	Observed Reading

ALTIMETER SCALE CORRECTIONS

Altimeter Model GDC 74 SN 47808218

Altimeter Reads	Observed Reading	Altimeter Reads	Observed Reading
-1000	8	12000	8
0	8	14000	8
500	8	16000	8
1000	8	18000	8
1500	8	20000	
2000	8	22000	
3000	8	25000	
4000	8	30000	
6000	8	35000	
8000	8	40000	
10000	8	45000	
		50000	

Tomlinson Avionics of Florida, Inc.
521 Dunley Drive
Fort Myers, FL 33907
Repair Station No. V6TR097X

E ALTIMETER, ENCODING SYSTEM AND
ST REQUIRED BY FAR 91.411 HAVE BEEN
LTIMETER(ADC) PILOTS S/N 47808218
TESTED TO 30 K FT
WAS/WERE TESTED TO
DATE 12/2/09
E TRANSPONDER TEST REQUIRED BY PAR
ERFORMED AND FOUND TO COMPLY.
#2M# N/A S/N N/A
DATE 12/2/09
SON AVIONICS OF FLORIDA, INC.
NLEY DR., FT. MYERS, FL. 33907
FAA CRS # V6TR097X

Date	Hours	Description	Signature
12/8/2009	TT 522.2	R/R main battery with loaner unit. Ops check OK!	AP3062365
12/14/09	522.2	Installed New RG-24-15M Battery	AP3912787114
3/23/10	569.0	Installed MSB 42-074 KIT Gear swings OK following reassembly, R/R Pilot map light P/N W1461.0010, R/R thergency Battery P/N D60-2560-91-00 Next due: March 2012	AP3912787114

CARRIED FORWARD

ENGINEERING RECORD

4

ENTRIES, DRAW

ENCE
MBER

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes

REG N825TD TYPE DA42 TACH 602.6 TT 602.6

ANNUAL inspection completed IAW FAR 43 app D, AD's researched thru 10-16, SI42-138 timing chain DNA, SI42-139 updated FADEC to vs 2.91, MSB42-083 door brkt D/N/A, MSB42-088/1 c/w inspection OK next due 702.6, MSB42-076 no firewall holes noted, MSB42-077 emergeny door pin OK, R/R rusty hardware as needed, R/R rusty fuel drains CAV180, R/R R/H brake linings 066-105, lubed gear and pivot pts, gear swings and manual extension checks OK, repainted nonskid on steps, reinstalled right prop following its loan to N176TS, R/R nacelle fuel filters, ELT tested IAW FAR91.207d, bat due R/R Sept 2012,
I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature Craig Bloomer AP3917871141A Date 8/13/2010

Date	Hours	Description	Signature
Oct 6, 2010 TT 650.7		R/R Right main tire w/ Condor 15-6.00x6.	AP3062365
10/29/10	Tach 663.1	Reinstalled Rudder Trunnion + torqued set screw	AP3912787114
Dec 2, 10	Tach: 677.1	R/R L main tire, bearing lubed	AP3912787114
12/7/2010	Tach: 684.7	R/R Left main landing gear down Lock Light, PN T4.624-20. Ops Check OK.	AP3062365

AIR TIME AND

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes

REG N825TD TYPE Da42 TACH 697.8 TT 697.8

Annual inspection completed IAW FAR 43 appD, AD's researched thru 10-26 and daily thru Tdata, ELT test IAW FAR 91.207d, Bat due r/r Sept 2012, Gear serviced and test swing OK, MSB42-035 test of coolant caps OK, next due 897.8, MSB42-088/1 test of landing gear joints OK, next due 797.8, serviced struts with fluid 4 and nitrogen, repaired pax map light, repaired left fuel cap lock, fire ext weigh and insp OK,

I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature Craig Bloomer AP391787114IA Date 1/7/2011

Mar. 24, 2011 TT 754.0 — R/R Nose gear indicator bulb. Ops check OK. AP3062345

Aug 17, 2011 798.9 — Annual Inspection Completed IAW FAR 43 appD, AD recordkeeping 11-16, 11-11-07 Trailing Links Due R/R by 895 tach, 11-10-13 PCW large bracket installed at factory, MSB42-087/1 Rudder brkt OK, MSB42-092 Wing Spar Bond test OK, MSB42-091 Gear Pivot Bearings OK, MSB42-088/3 Joints insp - Ref AD 11-11-07, Tested ELT IAW FAR 91-207d Bat due R/R Sept 2012, Grand Upgrade to VS. 0320.22, Synthetic Vision upgrade installed, AFM Supplement + Cockpit Reference Guide placed in aircraft, R/R GPS1 + GPS2 antennas P/N GA56, Gear Swings + tests OK, Serviced pivot points and applied Anti-Corrosion Treatment A/R R/R Fuel Filter IAW ch 4 of DA42 M/M

Note L/H Engine at 797.2
S/N-0841 Installed
-0846 Removed

I Certify that this Aircraft has been Inspected, IAW an Annual inspection and determined to be in an Airworthy Condition

AP3917821114IA

CARRIED FORWARD

ENGINEER

INSPECTION, REPAIRS & REPLAC

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LIN

9/16/11 818.6 — R/R bearin R/R

10/5/11 838.8 — R/R Ma MSB AD 11-1 Serviced str Fluid

10/24 846.5 — R/R L Plate P/N Component gear swings

AP3917821114

STATIC AND ALTIMETER WORKSHEET

AIRCRAFT REG.# N825TD
AIRCRAFT TYPE: DIAMOND
CUSTOMER NAME: Prime PLANES
WORK ORDER #
AIRCRAFT MODEL# DA 42
AIRCRAFT SERIAL# 42-AC098
SPLIT SYSTEMS? YES (NO)

	MAKE	MODEL	PART #	SERIAL #
PILOT'S ALTIMETER	GARMIN	ADC 74A	010-00336-10	81280874
COPILOT'S ALTIMETER	UNITED INSTRUMENTS	5934PD-3	463647	
#1 ENCODER	GARMIN	ADC 74A	010-00336-10	81280874
#2 ENCODER	—	—	—	—

CASE LEAK (STATIC)
Non pressurized aircraft: *1000 ft. above ground; MAX: 100ft/min.*
Pressurized aircraft: *2% of maximum cabin pressure differential altitude.*
NOTE: Max. cabin differential pressure altitude can be found in the Pilot's Operating Handbook. If pressure is given, use the following formula to determine the altitude:
Psi(2.036) / 0.000833 = Altitude in feet.

	PILOT	COPILOT
ACTUAL:	—	-21
ACTUAL:	—	—

BAROMETRIC SCALE ERROR CHECK

SETTING	PILOT READING	COPILOT READING	PILOT CORRECTION	COPILOT CORRECTION	TOLERANCE (+/-25)
28.10	N/A	2185	N/A	1745	
28.50	N/A	1795	N/A	1355	1727
29.00	N/A	1310	N/A	870	1340
29.50	N/A	845	N/A	405	863
29.92	N/A	440	0	0	392
30.50	N/A	75	N/A	515	0
30.90	N/A	450	N/A	890	531
30.99	N/A	535	N/A	975	893
					974

FORM 135

CONTINUED ON BACK

NAPLES jet center

ACFT MAKE: DIAMOND MODEL: DA-42 ACFT S/N: 42-AC-098
ACFT REG: N825TD TACH: 886.8 W/O: N24992W

I certify that the altimeter and static system tests required by 14 CFR § 91.411 & transponder tests, including data correspondence, required by § 91.413 have been performed and found to comply with 14 CFR part 43, appendix E & F.

	Model	Serial Number	Altitude
Pilot Altimeter	ADC74A	47808218	35,000
Standby Altimeter	5934PD-3	463467	35,000
Altitude Encoder	ADC74A	81280874	35,000
Transponder #1	GTX-33	8910	35,000
Transponder #2	N/A	N/A	N/A

Date 1/5/12 Signature

FAA REPAIR STATION MV5D055N.....239-649-7900

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 898.4 ACTT 898.4 C/W an Annual inspection IAW FAR 43 app D. Lubed all control surface pivot points. Replaced forward canopy door lock assembly. R/R Left main tank fuel sump valve. R/R main tank fuel placards. R/R alternator excitation batteries, next due March 2014. ELT inspected IAW FAR 91.207d. Battery due Sept 2012. R/R L&R fuel battery pack, next due March 2013. R/R ECU back up batteries, next due March 2013. R/R Emergency filters. AD's researched thru 12-04. I certify that this airframe has been inspected IAW an Annual inspection and determined to be in airworthy condition. Date 3/23/2012 Signature Paul Krystaszek A&P 3062365 IA		
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 899.9 ACTT R/R sump drain on right main tank with P/N CAV-180. Date 3/28/2012 Signature Jeremy R. Hughes A&P 3593175		
5/2/2012			TT 945.9		R/R Right Fwd Nav bulb. p/N W1290-28. Ops check OK. A+P 3062365		
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 950.9 ACTT 950.9 R/R Avionics switch p/n K1ACAAAAAA, R/R Avionics relay p/n 1432875-1. Ops check OK. Date 5/7/2012 Signature Paul Krystaszek A&P 3062365		

CARRIED FORWARD

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
5/18/2012			TT: 956.8		R/R stall warning lift detector p/N 0-99701-1. ops check OK. A+P 3062365		
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N852TD TYPE DA-42 TACH 973.6 ACTT R/R brake linings with P/N 066-10500 and R/R o-rings on pucks with P/N MS28775-222 on right brake assy. Bled brakes. Date 6/25/2012 Signature Jeremy R. Hughes A&P 3593175		
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 973.6 ACTT 973.6 C/W airframe bonding inspection IAW Diamond MM. R/R static on left horizontal stabilizer. Date 6/25/2012 Signature Paul Krystaszek A&P 3062365		
07/03/12			TT: 978.8		Reattached pilot and co-pilot grip. A+P 3593175		
					Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 998.6 ACTT 998.6 C/W an Annual inspection IAW FAR 43 app D, and Diamond 1000 hour checklist. R/R L & R fuel filters, and bled fuel system. Removed wings and tanks and inspected, found crack on Left I/B fuel tank, R/R tank. Re-installed fuel tanks and wings. Installed new wing seals. Installed new jack point pads. Jacked aircraft performed gear swings and emergency extension. R/R upper and lower torque links on nose gear. R/R Left gear down lock rod. R/R left main tire. R/R corroded hardware on elevator. R/R brake line retaining clips. R/R rear pax map light assembly. Installed new grounding straps on L & R inboard flaps. Repaired rear seat supports with resin and microballoons. R/R ELT Battery next due Sept 2019. ELT tested IAW FAR 91.207d. AD's researched thru 12-14. I certify that this airframe has been inspected IAW an Annual inspection and 1000 Hr inspection and determined to be in airworthy condition. Date 8/14/2012 Signature Paul Krystaszek A&P 3062365 IA		

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1000.3 ACTT
Disconnected roll servo plug, Inspected, cleaned, and reconnected. Ops check ok.
Signature Jeremy R. Hughes A&P 3593175 Date 8/23/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1002.4 ACTT
R/R light bulb for right main gear down indicator light with P/N T4.6 24-20. Ops check ok.
Signature Jeremy R. Hughes A&P 3593175 Date 8/25/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1003.3 ACTT
R/R light bulb for left main gear down indicator light with P/N T4.6 24-20. Ops check ok.
Signature Jeremy R. Hughes A&P 3593175 Date 8/25/2012

NOV. 8TH, 2012 - TACH TIME 1054.1; TT 1054.1; - R/R RIGHT MAIN TIRE W/ NEW, GOODYEAR P/N 156F66-4 (FLIGHT CUSTOM III); TORQUED WHEEL HALVES TO 150 IN/LBS; SERVICED TIRE TO 65 PSI - END - Brian Thoresen MECHANIC, A+P 3277997;

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1074.9 ACTT 1074.9
R/R left side alternator on/off switch with P/N 7101K2ZQE. Ops check ok.
Signature Jeremy R. Hughes A&P 3593175 Date 12/13/2012

CARRIED FORWARD

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1080.2 S/N 42AC098
Removed left caliper assembly; Repacked caliper with new o-rings, P/N MS28775-222 (Qty 2); Removed and replaced brake linings with new, P/N 066-10500 (Qty 4); Reinstalled caliper assy and pressure bled brake system. Performed operational check; All parameters normal;---END----
Signature Brian Thoresen, A&P 3277997 Date Jan 9th, 2013

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA42 TACH 1092.2 S/N 42.AC098
PFD showing false left ECU "B" failure indication; Cleared ECU faults from system, Performed run-up/ operational check of left engine and indicating systems; Performed Left ECU test; All operational parameters normal; No further action required at this time. ---END----
Signature Brian Thoresen, A&P 3277997 Date 1/24/2013

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1098.5 ACTT 1098.5
C/W a 100 hour inspection IAW FAR 43 appx. D using Diamond Aircraft DA-42 AMM Rev. 2 ATA code 05-20-00 as a reference. R/R right main brake linings with new P/N 066-10500. R/R nose wheel with new P/N 505C01-2. R/R nose wheel tube with new P/N TR-67 GL-5067. R/R both inner wing no step placards with new P/N DA4-1123-10-02. Cleaned and resealed both upper aft antennas. R/R both alternator excitation batteries with new P/N LC-R121R3P. R/R no touch placards on both spinners with new P/N DA4-1123-10-01. R/R pilot side left brake pedal with new P/N DA4-2723-35-00-MOD. R/R ECU backup batteries with new P/N LC-R127R2P. Removed corrosion off of rudder trim rods, cleaned, primed, and painted. Jacked aircraft and performed gear swings and emergency extension. Lubed airframe IAW Diamond Aircraft DA-42 AMM lubrication chart ATA code 12-20-00. AD 12-17-07 D/N/A due to serial number. AD research thru 2013-02. I certify that this airframe has been inspected IAW a 100 hour inspection and determined to be in airworthy condition.
Signature Jeremy R. Hughes A&P 3593175 Date 3/7/2013

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1100.3 ACTT 1100.3
Pilot reported electric trim failure. Performed auto pilot preflight test on ground and could not duplicate fault. Ops check ok.
Signature Jeremy R. Hughes A&P 3593175 Date 3/12/2013

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1101.5 ACTT 1101.5
R/R squat switch block on both main landing gear legs with P/N D60-3217-21-53 using new hareware P/N DIN912-M5X10-A2. Performed several gear retraction test, ops check ok.
Date 3/18/2013
Signature Jeremy R. Hughes A&P 3593175

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1125.6 S/N 42.AC098
Removed and replaced worn right jack point with new, P/N DV2-1200-00-02; Installed using Therostat as required; Removed right main wheel assembly; Disassembled and cleaned all wheel and bearing parts; Repacked bearings, and installed new tube (P/N TR-20) and tire (P/N 072-449-0) Condor 15x6.00x6 6 ply; Torqued wheel halves to 150 in/lbs; Reinstalled wheel assembly, and torqued caliper backing plate bolts to 80 in/lbs; Serviced tire pressure to 65 psi;
Date April 11th, 2013
Signature Brian Thoresen, A&P 3277997

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1153.5 ACTT 1153.5
R/R left strobe flash tube with new P/N 02-0250276-00. Ops check ok.
Date 5/17/2013
Signature Jeremy R. Hughes A&P 3593175

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1165.5 S/N 42.AC011
Removed and replaced left lower cowling radiator clamping seal with new, P/N 1120A579;
Date 5/22/2013
Signature Brian Thoresen, A&P 3277997

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1175 S/N 42.AC098
Removed and replaced left main tire with new, Goodeyear Flight Custom III, 15x6.0x6 6 ply tire; torqued wheel halves to 150 in/lbs; Cleaned, inspected, and repacked bearings; Torqued caliper backing bolts to 80 in/lbs; Serviced tire pressure to 65 psi; -END-
Date 5/31/2013
Signature Brian Thoresen, A&P 3277997

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA42 TACH 1178.9 ACTT 1178.9
R/R left fuel tank sump drain with new P/N CAV-180 and safetied.
Date June 4, 2013
Signature Jeremy R. Hughes A&P 3593175

AIRFRAME

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1198.7 S/N 42.AC098
Annual Inspection completed this date in accordance with FAR Part 43 Appendix D, and Diamond Aircraft DA 42 Series AMM, Maintenance Checklist Airframe, 05-28-50; Cleaned and lubed airframe I/A/W Diamond Lubricaion chart Jacked aircraft, performed required gear swings, and emergency extensions; ELT tested I/A/W FAR 91.207(d); ELT battery due Sept, 2019; AD's researched through issue 2013-11; I certify that this airframe has been inspected in accordance with an annual inspection and found to be in an airworthy condition;
Date June 19 2013
Signature Art Boiteau A&P 2863454 IA

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1213.2 ACTT 1213.2
R/R ignition switch with new P/N 75705-01, S/N RC130629(1). Installed new ring guard on ignition switch P/N D60-3111-20-51, S/N RC0811111(1). All work done IAW Diamond DA42 AMM Rev. 3 ATA code 80-00-00 pages 204-205. Ops check ok.
Date August 27, 2013
Signature Jeremy R. Hughes A&P 3593175

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA42 TACH 1213.3 ACTT 1213.3
Adjusted switch block on right main landing gear weight off wheels micro switch. Performed several gear swings. Ops check ok.
Date August 27, 2013
Signature Jeremy R. Hughes A&P 3593175

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG N825TD TYPE DA 42 TACH 1228.9 ACTT 1228.9
Pilot reported landing gear would not retract. Jacked aircraft, inspected weight off wheels micro switches, performed several gear swings and could not duplicate fault.
Date September 12, 2013
Signature Jeremy R. Hughes A&P 3593175

AIR TIME AND ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1233.1 ACTT 1233.1

Pilot reported landing gear wouldn't retract. Jacked aircraft, determined weight off wheels micro switch on left main landing gear wasn't engaging. Adjusted squat switch block on left main landing gear and performed several retract test. Landing gear operational parameters normal.

Signature Jeremy R. Hughes A&P 3593175 Date September 26, 2013

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1279.7 ACTT 1279.7

Installed hobbs meter, P/N 85094 IAW 85000 series mounting/installation instructions-P/N 81093 rev.B ops check good.—END—

Signature Simon Crawford, A&P 3277003 Date 11/6/2013

REPAIR STATION – INSPECTION PROCEDURES MANUAL
Section: VI
Page: 17
Title: Forms
Date: 03-14-00
Revision: 8

#1

35,000 FT. ALTIMETER CERTIFICATION (FORM 660)

Work Order No: 12666
Date: 1/22/14
P/N: ADC74A S/N: 47808218 MANUF. Garmin

SCALE ERROR			FRICTION	
-1000 =	-100	+/- 20'	1000 =	0 +/- 70'
0 =	110	+/- 20'	2000 =	0 +/- 70'
500 =	510	+/- 20'	3000 =	0 +/- 70'
1000 =	1010	+/- 20'	5000 =	0 +/- 70'
1500 =	1510	+/- 25'	10000 =	0 +/- 80'
2000 =	2010	+/- 30'	15000 =	0 +/- 90'
3000 =	3015	+/- 30'	20000 =	0 +/- 100'
4000 =	4010	+/- 35'	25000 =	0 +/- 120'
6000 =	6010	+/- 40'	30000 =	0 +/- 140
8000 =	8010	+/- 60'	35000 =	0 +/- 160'
10000 =	10020	+/- 80'		
12000 =	12030	+/- 90'		
14000 =	14020	+/- 100'		
16000 =	16020	+/- 110'		
18000 =	18010	+/- 120'		
20000 =	20020	+/- 130'		
22000 =	22010	+/- 140'		
25000 =	25000	+/- 155'		
30000 =	30000	+/- 180'		
35000 =	35000	+/- 205'		

CASE LEAK
@ 18000' 5 psi <100'

HYSTERESIS
17500 = 0 +/- 75'
14000 = 0 +/- 75'

BAROMETRIC SCALE ERROR
All readings +/- 25'

28.10 =	-1225	1727
28.50 =	-1240	1340
29.00 =	-860	863
29.50 =	-375	392
29.92 =		0
30.50 =	530	531
30.90 =	890	893
30.99 =	925	974

*AFTER EFFECTS
BEGINNING READING +10
ENDING READING +10
* TO BE COMPLETED AFTER HYSTERESIS TEST
TECHNICIAN:
INSPECTOR:

APPROVED:
PRESIDENT

NAPLES AIR CENTER, INC.
REPAIR STATION & QUALITY CONTROL MANUAL
Section: VI
Page: 14
Title: Forms
Date: 7-28-06
Revision: 4

#2

20,000 FT. ALTIMETER CERTIFICATION (FORM 659)

Work Order No: 12666
Date: 1/22/14
P/N: 5934PD-3 S/N: 463647 MANUF: United

SCALE ERROR			FRICTION	
-1000 =	-100	+/- 20'	1000 =	25 +/- 70'
0 =	0	+/- 20'	2000 =	25 +/- 70'
500 =	505	+/- 20'	3000 =	30 +/- 70'
1000 =	1010	+/- 20'	5000 =	40 +/- 70'
1500 =	1510	+/- 25'	10000 =	60 +/- 80'
2000 =	2020	+/- 30'	15000 =	60 +/- 90'
3000 =	3025	+/- 30'	20000 =	20 +/- 100'
4000 =	4030	+/- 35'		
6000 =	6010	+/- 40'		
8000 =	7990	+/- 60'		
10000 =	9980	+/- 80'		
12000 =	11975	+/- 90'		
14000 =	13970	+/- 100'		
16000 =	15960	+/- 110'		
18000 =	18010	+/- 120'		
20000 =	20020	+/- 130'		

CASE LEAK
@ 18000' 20 psi <100'

HYSTERESIS
10000 = 65 +/- 75'
8000 = 40 +/- 75'

BAROMETRIC SCALE ERROR
All readings +/- 25'

28.10 =	-1730	1727
28.50 =	-1345	1340
29.00 =	-860	863
29.50 =	-370	392
29.92 =		0
30.50 =	525	531
30.90 =	900	893
30.99 =	980	974

* AFTER EFFECTS
BEGINNING READING 0
ENDING READING +10
* TO BE COMPLETED AFTER HYSTERESIS
TECHNICIAN:
INSPECTOR:

APPROVED:
VP PRESIDENT/ACCOUNTABLE MANAGER

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104
AIRCRAFT:N825TD DATE: 1/22/14 WO: 12666 HOBBS:26.3
AIRFRAME LOG
PERFORMED BIANNUAL RECERTS (IFR) ON #1 ALTIMETER P/N: ADC74A, S/N:47808218 TO 35,000', AND #2 ALTIMETER P/N: 5934PD-3, S/N: 463647 TO 20,000'. RECERTIFIED TRANSPONDER MODEL: GTX33, S/N: 89105345. PERFORMED ENCODING CORRELATION TEST TO 35,000'. ENCODER MODEL: ADC7417, S/N: 81280874. PERFORMED STATIC SYSTEM LEAK RATE TEST. ALL IAW FAR 43 APP E AND F.
ROBERT L. HOUSE FOR NAPLES AIR CENTER CRS X04R655M.

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TDI TACH 1298.3 S/N 42,AC098

Complied with a 100-hour inspection in accordance with FAR part 43 Appendix D, using Diamond Aircraft DA42 Series AMM, 05-28-50, Maintenance Checklist Airframe as a reference; Lubricated airframe as required; Serviced all wheel bearings and tire pressures as required; Resealed right aft cabin window, leading edges of both left and right wing root fairings, and aft hinge of rear cabin door with 3M 4000 UV sealant as required; Removed right brake caliper, and replaced piston o-rings with new, P/N MS28775-222 (Qty 2); Replaced right main brake linings with new P/N 66-105 (Qty 4); Reassembled and reinstalled caliper, torqued backing plate bolts to 90 in/lbs; Pressure bled RT brake system as required; Removed and replaced emergency battery pack with new, Diamond P/N D60-2560-91-00 next replacement at Feb 2016; Removed and replaced all ECU back-up batteries with new, Diamond P/N LC-R127 R2P (QTY 4), next replacement at Feb 2015; Removed and replaced alternator excitation batteries w/ new, Diamond P/N LC-R121R3P (QTY 2), next replacement at Feb 2015; Removed and replaced broken bonding strap, at flap push pull rod under rear seat, fabricated from 1/2" stainless steel braiding as required; Repaired small ding at aft lower corner of rudder with epoxy resin/ flocks, finish sanded and applied touch-up paint; Repaired small crack in rudder trim tab at lower hinge point with epoxy resin/ flocks bonding paste as required; Redrilled and saftey wired hinge pin; Applied touch up paint; Replaced left aileron push/pull rod bonding strap with new fabricated from 1/2" SS braiding as required; C/W Diamond MSB 42-008/14 by verification of all Garmin sofware system manifests, no discrepancies noted; Jacked aircraft, removed nose gear folding stay assembly; disassembled, cleaned and inspected all parts; Replaced folding stay lever with new, Diamond P/N D60-3233-32-00 due to corrosion; Replaced folding stay arm with new, Diamond P/N D60-3223-22-51 with new due to heavy corrosion; Removed and replaced NLG spring with new, Diamond P/N Z-2371, due to heavy rust; Removed and replaced nose gear hook rod assembly w/ new, Diamond P/N D60-3233-42-00, due to rust/pitting; Reinstalled Folding Stay assembly; Removed and replaced lower NLG steering brace (torque link) with new, Diamond P/N D60-3223-17-00, due to excessive corrosion; Removed and replaced both main landing gear springs with new, Diamond P/N Z-2341 (QTY 2) due to heavy rust; Removed and replaced both MLG downlock hook rod assemblies with new, Diamond P/N D60-3237-41-00 (Qty2) due to rust/ deep pitting; Removed and replaced left main landing gear folding stay lever w/ new, Diamond P/N D60-3237-31-51, due to heavy corrosion; Complied with AD2013-07-01 by instructions contained in Diamond Aircraft MSB 42-095/ MSB 42NG-026, Section III, paragraphs 1-20; Lubricated landing gear as required; Performed multiple extension/retraction cycles; Performed multiple emergency extensions; No discrepancies noted; Checked ELT operation in accordance with FAR 91.207(d); Battery expiration Jan 2016; All AD's researched through issue 2014-02, (February 7th, 2014); I certify that this airframe has been inspected in accordance with a 100-hour inspection and found to be in an airworthy condition at this time; -END-

Signature Brian Thoresen, A&P 3277997 Date Feb 7th, 2014

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1305.2 HOBBS 36.8

Removed wheel, removed and replaced tire with new P/N 072-449-0, 15x6.0/6. torqued wheel halves to 150 lbs/in. reinstalled on gear, installed and torqued brake caliper to 90 lbs/in.---END---

Signature Simon Crawford, A&P 3277003 Date 2/14/2014

AIR TIME AND ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1323.2 S/N 42 AC098
Removed and replaced pilot's side rudder pedal adjustment cable with new, Diamond P/N 20-2700-21-00;
Operational check of adjustment system ok;
Date 3/6/2014
Signature Brian Thoresen A&P 3277997

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1335.5 HOBBS 80.7
Removed copilots seat, removed and replaced seat belt latch buckle assembly with new, P/N B/5-01-1C5701 REV A. Reinstalled seat back on aircraft, and ops check assembly, ops check good. All work performed IAW Diamond DA-42 AMM.
Date 3/12/2014
Signature Simon Crawford, A&P 3277003

N825TD 28 APR 2014 HOBBS:127.9 WO#A7200

FOUND PITCH TRIM SWITCH WORN OUT AND INTERMITTENTLY STICKY. ADVISED CUSTOMER, CHOSE TO REPAIR ELSEWHERE. REMOVED GIA63 #1 S/N#48106779 AND INSTALLED IN #2 POSITION, REMOVED GIA63 #2 S/N#48106357 AND INSTALLED IN #1 POSITION. CONFIGURED EQUIPMENT ACCORDINGLY. GIA63 SWAP WAS PERFORMED FOR INTERMITTENT COM PROBLEM TROUBLESHOOTING.
DETAILS PERTAINING THE WORK PERFORMED CAN BE FOUND ON APG AVIONICS CRS#N1OR037B WORK ORDER# A7200 DATED 28 APR 2014

SIGNED: [signature] DATE: 28 APR 2014

APG AVIONICS CRS#N1OR037B
8150 SKYLANE WAY
PUNTA GORDA, FL 33982
(941)637-6530

CARRIED FORWARD

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1379.3 HOBBS 143.7
Removed serviceable passenger door, to be installed on N894SA.
Signature Simon Crawford, A&P 3277003 Date 7/18/2014

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1379.3 HOBBS 144.1
Reinstalled passenger door, after removal from N894SA. Door lock, latch and warning signals all operate as required.
Signature Simon Crawford, A&P 3277003 Date 8/12/2014

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1379.3 HOBBS 144.1
Removed N/L/G Damper Assy. Installed Servicealble N/L/G P/N D60-3223-14-00. Serviced strut to specs. No leaks noted at this time.-END-
Signature Ken A. Boynton
Ken A. Boynton A&P 264519426 Date 8/12/2014

N825TD, Diamond DA42, S/N 42AC098 Airframe
Date: **07-24-2014** Hobbs 0143.8 TTAF ~~1442.1~~ 1379.3
Serviced Aircraft IAW Diamond DA42 manual, Tach 1379.3
Checked ELT IAW FAR 91.207d Ok next due TTAF 1542.1 or 07/15
Checked AD's through Issue 2014-14-06 No new ADs noted,
I certify that This Aircraft has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey___

DATE	DAILY TOTAL HRS.	DAILY TOTAL MIN.	TOTAL AIR TIME SINCE MFG. HRS.	TOTAL AIR TIME SINCE MFG. MIN.	ENGINEERING RECORD — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD						

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1399.7 HOBBS 111.4

Removed R/H M/L/G wheel assy. Removed tire and tube to insp for leak. Found hole in tube and replaced with new P/N 06-05300-1. Reassembled wheel assy and serviced tire to 62.5lbs. Cleaned and repacked wheel bearings. Found L/H wing fuel sump drain valve leaking. Replace valve with serviceable valve.-END-

Signature Ken A. Boynton Date 10/28/2014
Ken A. Boynton A&P 264519426

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1407.1 HOBBS 181

removed and replaced Aircraft battery with new. P/N RG24-15M, S/N 40637275. removed and replaced left wing fuel tank sump valve with new, due leaking. P/N CAV-180.

Signature Date 12/24/2014
Simon Crawford, A&P 3277003

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1468.7 HOBBS 267.5

Removed L/H Main tire and installed new 15x6.00-6 P/N 06-02553 Air Hawk . Removed and replaced L/H and R/H brake linings. Removed L/H wing tip to gain access to remove and replace strobe light P/N 02-025276-00. Remvoed and replaced Co-pilots vent window latch assy P/N 301.25.4110 -END-

Signature Date 4/27/2015
Ken A. Boynton A&P 264519426

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1475.3 HOBBS 276.4

The following discrepencies were noted and addressed: removed and installed new clamp on R/H engine induction tube support, replaced alternator excitation batteries, replaced ECU backup batteries, replaced radiator isolator on R/H engine, replaced vibration isolator on L/H engine intercooler, removed and replaced R/H M/L/G tire, removed, cleaned, inspected and repacked all wheel bearings. Replaced nose wheel bearings and races, reinstalled wheel assy's. Removed interior and all airframe inspection panels. Inspected and lubed all flight controls and airframe as required. Performed gear swings. No faults noted at this time. Re-installed all access panels and interior. Performed gnd run-up. No faults noted at this time.-END-

Signature Date 6/1/2015
Ken A. Boynton A&P 264519426

INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER

N825TD, Diamond DA42, S/N 42AC098 Airframe
Date: 06-01-2015 Hobbs 0276.4 TTAF 1511.9 Tach 1475.3
Serviced Aircraft IAW Diamond DA42 manual,
Checked ELT IAW FAR 91.207d Ok next due TTAF 1542.1 or 07/15
ELT Battery Due Sept. 2019
Checked AD's through Issue 2015-11-04 No new ADs noted,
I certify that This Aircraft has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1484 HOBBS 288.7

Removed passenger door for install on N308AM.

Signature Date 8/28/2015
Simon Crawford, A&P 3277003

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 1484 ACTT 1484

Reinstalled original passenger door after removal from N308AM. Ops checked door, and door open alert system. All checks good.---END---

Signature Date 9/17/2015
Simon Crawford, A&P 3277003

Aircraft Maintenance Record

Tail Number: N825TD Serial Number: 42AC098
Work Order Number: 3097 Date: 03/07/2019

Garmin G1000 Squawks- AHARS Failed and Red "X" on Numerous Items:

Duplicated Customer's Squawk. Removed Garmin GRS77 AHARS P/N- 011-00868-10 S/N- 42007309 and Installed Serviceable Exchange Garmin GRS77 AHARS P/N- 011-00868-10 S/N- 42017697. Updated Garmin G1000 Software per the Garmin Software Service Bulletin # 0849, Rev C, Dated: 06/2009. Ground Checks are Normal.

The aircraft and/or component listed on this WO 3097 were repaired and inspected I/A/W current FAA Regulations and are approved for return to service.

OutRight Avionics, LLC.
10078 Airport Road
Conroe, TX 77303
CRS # 80AR732L

SIGNED:

DATE

BROUGHT FORWARD

Aircraft Maintenance Record

Tail Number: N825TD Serial Number: 42AC098
Work Order Number: 3097 Date: 04/09/2019

Garmin G1000 Squawks- AHARS Failed and Red "X" on Numerous Items:

Duplicated Customer's Squawk. Removed Garmin GRS77 AHARS P/N- 011-00868-10 S/N- 42007309, Garmin GIA63 P/N- 011-00781-01 S/N- 48106357 (Forward) and Garmin GIA63 P/N- 011-00781-01 S/N- 48106779 (Aft). Installed Garmin Overhauled Exchange GRS77 AHARS P/N- 011-00868-10 S/N- 42000749, Repaired Garmin GIA63 P/N- 011-007841-01 S/N- 48106357 (Forward) and Garmin Repaired GIA63 P/N- 011-00781-01 S/N- 48106779 (Aft). Updated Garmin G1000 Software per the Garmin Software Service Bulletin # 0849, Rev C, Dated: 06/2009. Ground Checks Done I/A/W the Garmin G1000 Cockpit Reference Guide # 190-00406-07, Rev B, Dated: 12/2013 and the Garmin G1000 Pilot's Guide # 190-00649-03, Rev B, Dated: 12/2012. Ground Checks are Normal.

Garmin GA56 GPS Antenna (#2) and Garmin GA57X GPS/XM Antenna (#1) Corroded:

Removed Garmin GA56 GPS Antenna (#2) P/N- 011-00134-01 S/N- 59428122 and Garmin GA57X GPS/XM Antenna (#1) P/N- 011-00134-00 S/N- 59428122. Installed Serviceable Garmin GA56 GPS Antenna (#2) P/N- 011-00134-00 S/N- 59082384 and New Garmin GA57X GPS/XM Antenna (#1) P/N- 011-01032-10 S/N- 1PR000991. Ground Checks Done I/A/W the Garmin G1000 Cockpit Reference Guide # 190-00406-07, Rev B, Dated: 12/2013 and the Garmin G1000 Pilot's Guide # 190-00649-03, Rev B, Dated: 12/2012. Ground Checks are Normal.

The aircraft and/or component listed on this WO 3097 were repaired and inspected I/A/W current FAA Regulations and are approved for return to service.

OutRight Avionics, LLC.
10078 Airport Road
Conroe, TX 77303
CRS # 80AR732L

SIGNED: John Mais

Annual
08-2020

PRIMARY FLIGHT MAINTENANCE
KEEPS YOU AIRBORNE

N-825TD
Airframe

Date: 08-01-20 Hobbs: 368.3 ACFTT: 1563.6
Completed Annual Inspection per Diamond MM and FAR 43, appendix D. Removed Old Leading Edge protection, fuel tank qty, Diamond DA 42, Pinch Point, No Step, and No Push Placards and both wing grip tape walk area placards due to Age and ware. Installed New Leading Edge Protection, fuel tank qty, pinch points, no push, no step, and both side wing walk area placards. Removed and replaced Both main tires and tubes, installed GoodYear 6.00-6 Tubes and Airhawk 15/6.00-6 Tires. Removed Garmin 1000's for refurbishment by Garmin. Reinstalled Same Units after Garmin Refurbishment. Programmed IAW Diamond Aircraft MM and Garmin MM. Removed Cleaned board and all connections of corrosion and Reinstalled Alternator Load Balance Board. Ops/Load Transfer Check Good. Removed Deteriorated Wing to Fuselage Seals. Installed B-2 890 Weather Sealant to Wing Root to Fuselage Gap. Removed LH and RH Fuel Temp probes due to erratic readings. Cleaned both sensor and wiring harness connections and replaced fuel Tank bonding straps, reinstalled fuel probes into respective fuel tanks. Ops/Temp Check Good.

----------Continued to Pg 2----------

LICENCE NUMBER

PRIMARY FLIGHT MAINTENANCE
KEEPS YOU AIRBORNE

N-825TD
Airframe

Date: 08-01-20 Hobbs: 368.3 ACFTT:1563.6
Continued from Pg 1. Removed and replaced Pilots Control Stick B due to inop. Ops/Auto Pilot Check Good. Removed and replaced due to ware and age of installed seals. Removed and replaced all Back up batteries installed 4-2019 PN-LC-R127R2P Lot-RC1805 replaced instrument BU Battery Pack Installed PN-D60-2560-91- Removed and replaced RH wing tip strobe bulb A610M, Ops check go landing gear struts to proper extension. Confirmed Rig and Throws of all flight contr Ops Check Good. Inspected ELT IAW FAR 91.207D Removed and replaced ME 406 SN-384970-047 Battery Pack Due 4-27 IAW DMM. Installed UAVIONIX ADSB Out PN-UAV-1001856-002 Mod-5 SN 1011079 System IAW TSO-C154c B1S. SSID: 7729, Password: MomentScud. Ops Check Good. All AD's CW IAW Avant 2020. See List for details. Aircraft is airworthy and released for service.

Signature:
Date: 8-1-20 Stephen Vyvjala A&P 3833741IA

----------Pg 2 of 2 Nothing Follows----------

Repair
Install

uAvionix
560 Berne Road| Columbia Falls | MT | 59912
www.uAvionix.com | Office: 1-844-827-2372

Model: skyBeacon TSO
P/N: UAV-1001856-002

uAvionix
P/N: UAV-1001856-002
MOD: 5
S/N: 1011079

Certificate of Conformance

I hereby certify that the product/s enclosed herewith, manufactured by uAvionix Corporation, have been inspected and found to be in full accordance with the specifications of:
TSO-C154c B1S, TSO-C145d Beta 1 INCOMP, TSO-C88b, TSO-C30c Type I, and TSO-C96a Class II.

By:
Country of Origin: U.S.A.
Date: 3.9.20
UAV-1002530-001 (Rev E)

SSID: Beacon-7729
Pass: MomentScud

Pitot/Static
IFR
Inspection
09/04/2020

Jones Avionics FAA CRS#YVJR478Y
David Wayne Hooks Airport 281-433-6077
Date 9/4/2020 N# 825TD
Pitot, Static, Altimeter, Xpdr, and Altitude reporting system tested & inspected and meets the requirements of FAA 14 CFR 91.411,91.413, 91.227 Part 43 App E & F. Cert to 20 Alt

Alt #1	P/N GDC74	Ser. No. 4788218	
Alt #2.	P/N	Ser. No.	
XPDR#1	P/N GTX33	Ser. No	006-B0172-01
XPDR #2	P/N	Ser. No.	
ECDR	P/N	Ser. No.	
UAT	P/N	Ser No.	

Inspector W.O. Reference # 090420-5

Repair

Date: 09/08/2020 **Hours:** 371.9 hobbs **Tail:** N825TD
Make: Diamond **Model:** DA-42 **S/N:** 42. AC098
Name: Johnny Whitson **Cert:** A&P 3411684 IA
Co: Lone Star Aircraft Services **Signed:**

Replace rear door fwd and aft hinges P/N:DA4-5221-26-00 and DA4-5221-25-00. Replace rear door pneumatic damper P/N: DAI-9052-00-11. Repair Rear door Chips and scratches. Refinish rear door. Repaired as per Diam MM. The above work was completed in accordance with current FAA regulations and is approved for return to se for the work accomplished.

FELDTECH AVIONICS & INSTRUMENTS, INC.
4151 N Main St.
Fort Worth Texas 76106
817-625-2719

A/C Tail N825TD
A/C S/N 42.AC98
Date: 3/30/2021

Removed Honeywell pitch servo p/n 065-00178-2500 s/n 10142 for bench test. Reinstalled same. Removed Honeywell roll servo p/n 065-00179-0500 s/n 13102 for repair. Repaired and reinstalled same. System operations check good on ground.

This aircraft and/or component was repaired and/or inspected in accordance with current FAA regulations and approved for return to service.

Mike Keith
Inspector

CRS # WR1R594K
WO# 215953

MAKE: Diamond
MODEL: DA42-TDI
S/N: 42.AC098
REG. NO: N825TD
WORK ORDER: 0263

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/19/2021
A/C TSN: 1551.6
HOBBS: 405.3

Airframe Entries
- Updated L/R FADEC software to 3.10
- Repaired rudder trim controls
- Performed 1000 hour / 4 year bonding and static discharging tests

DATE: 5/19/2021 SIGNED:
David Seastead, License: AP3492477 IA

Work Order: 0263
Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA42-TDI
S/N: 42.AC098
REG. NO: N825TD
WORK ORDER: 0263

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 6/8/2021
A/C TSN: 1551.6
HOBBS: 405.3

Airframe Entries
- Replaced standby horizon with new RCA2610-3-G S/N 921F302. See W&B Revision this date.

DATE: 6/8/2021 SIGNED:
David Seastead, License: AP3492477 IA

Work Order: 0263
Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

MAKE: Diamond
MODEL: DA42-TDI
S/N: 42.AC098
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
HOBBS: 410.1

Airframe Entries
- Performed Annual Inspection using DA42 AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced alternator excitation batteries
- Replaced fuel filters
- Complied with 100 Hour lubrication
- AD 2017-18-10 (MSB42-126/1) Replaced flap bell crank as terminating action
- AD 2018-10-10 (MSB42-129) Installed exhaust pipe clamps. First inspection due by 1601.9
- AD 2021-22-03 (MSB42-136/1) Inspected NLG attachment lever. Next due by 1751.9
- AD 2022-03-01 (MSB42-138) N/A by hose P/Ns and MFG dates
- Repaired SkyBeacon installation. Installed PMA wingtip mounting bracket adapter OAM-40-369-1.5 and tail position light 01-0771554-02
- Replaced emergency battery
- Replaced NLG tire and tube
- Stripped and recoated inside surface of cowlings
- Installed new battery/relay covers in nose baggage
- Replaced instrument light inverter
- Replaced flood light inverter
- Replaced ELT remote switch
- Replaced RH nav and position light bulbs
- Replaced induction air filters
- Replaced fuel filter bowl drain valves
- Replaced flight control broken ground straps as necessary
- Replaced flight control rollers in wings as necessary
- Replaced fuel tank interconnect and vent hoses
- RSB42-104 Installed permanent maintenance access holes in wings

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:
David Seastead, License: AP3492477 IA

Work Order: 0439
Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA42-TDI
S/N: 42.AC098
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
HOBBS: 410.1

Airframe Entries

- Performed Annual Inspection using DA42 AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
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- Replaced fuel filters
- Complied with 100 Hour lubrication
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- AD 2018-10-10 (MSB42-129) Installed exhaust pipe clamps. First inspection due by 1601.9
- AD 2021-22-03 (MSB42-136/1) Inspected NLG attachment lever. Next due by 1751.9
- AD 2022-03-01 (MSB42-138) N/A by hose P/Ns and MFG dates
- Repaired SkyBeacon installation. Installed PMA wingtip mounting bracket adapter OAM-40-369-1.5 and tail position light 01-0771554-02
- Replaced emergency battery
- Replaced NLG tire and tube
- Stripped and recoated inside surface of cowlings
- Installed new battery/relay covers in nose baggage
- Replaced instrument light inverter
- Replaced flood light inverter
- Replaced ELT remote switch
- Replaced RH nav and position light bulbs
- Replaced induction air filters
- Replaced fuel filter bowl drain valves
- Replaced flight control broken ground straps as necessary
- Replaced flight control rollers in wings as necessary
- Replaced fuel tank interconnect and vent hoses
- RSB42-104 Installed permanent maintenance access holes in wings

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:

David Seastead, License: AP3492477 IA

Work Or

Printed by EBis 3 (datcon

S/N
1841

AIRFRAME LOG

1. Nationality and Registration N825TD
2. Manufacturer's Designation DA 42
3. Record of

   (a) Engine Installations
   (b) Propeller Installations
   (c) Airworthiness Directives (A/D)
   (d) Service Bulletins (S/B)
   (e) Special Inspections (S/I)
   (f) Modifications (MODS)

RECORD OF ENGINE &

DATE	ENGINE OR PROPELLER MAKE & MODEL	SERIAL NO.	POSITION	DATE INSTALLED	DATE REMOVED	
NOV 14 2007	THIELERT AIRCRAFT ENGINES GmbH TAE 125-02-99	02-02-01846	LH	OCT 2007	—	LH ENGINE
NOV 14 2007	THIELERT AIRCRAFT ENGINES GmbH TAE 125-02-99	02-02-01848	RH	OCT 2007	—	RH ENGINE INSTALLED
NOV 14 2007	MT-PROPELLER ENTWICKLUNG GmbH MTV-6-A-C-F/CF187-129	061262	LH	OCT 2007	—	LH PROPELLER INSTALLED
NOV 14 2007	MT-PROPELLER ENTWICKLUNG GmbH MTV-6-A-C-F/CF187-129	061256	RH	OCT 2007	—	RH PROPELLER INSTALLED

PROPELLER INSTALLATION

REMARKS - REASON FOR CHANGE	SIGNATURE	LICENCE NUMBER
INSTALLED NEW ON DA 42 S/N 42.AC098 →		DA Q 42
NEW ON DA 42 S/N 42.AC098 →		DA Q 42
NEW ON DA 42 S/N 42.AC098 →		DA Q 42
NEW ON DA 42 S/N 42.AC098 →		DA Q 42

LH ENGINE S/N
02-02-01841

42. AC095

LOGBUCH MOTOREN
ENGINE LOGBOOK

CENTURION
Built by THIELERT

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e zur Führung des Motor-Logbuches

dige und wahrheitsgemäße Führung des Motor-Logbuches verantwortlich. Alle Eintragungen haben dgl.) zu erfolgen. Fehlerhafte Eintragungen sind so durchzustreichen, dass sie lesbar bleiben. nd zu durchkreuzen. Es dürfen keine Blätter entfernt werden. Auch nach endgültiger Außerbetriebstellung bewahren.

nließlich Freigabeberechtigtem Personal vorbehalten.

durchgeführte Lufttüchtigkeitsanweisungen (LTA, AD) und Änderungen (Service Bulletins, Service chtigtem Personal einzutragen und zu bestätigen.

eführte Instandhaltungs-, Instandsetzungs- und Änderungsarbeiten (laufende Kontrollen, Reparaturen, Freigabeberechtigtem Personal einzutragen und zu bestätigen.

d für alle nicht unter Punkt 2 bis 4 fallenden Eintragungen vorgesehen.

otice for running the Engine Log Book

ne complete and truthful keeping of the engine log book. All entries have to be made permanently, e.g. in ink, s are to be crossed out such that they remain legible. Vacant columns and lines are be crossed out. ter permanently removing the engine from service the log book has to be kept on file. tries by certifying staff.

ffective airworthiness directives (AD, LTA) and modifications (Technical bulletins, Service Information and suchlike) certifying staff.

all performed maintenance, repair - and replacement work (period checks, repair work, changes, e to be entered and confirmed by certifying staff. entries not applicable to sections 2 to 4 can be entered.

LH ENGINE S/N
02-02-01841

Motor-Logbuch Nr.: 1 — **für Kolbenmotor**
Engine Log Book: — *for piston engine*

Baumuster: *Type of engine:* TAE 125	**Baureihe:** *Model:* 02-99	**Motor-Nr.:** *Engine serial no:*	02-02-01841
Hersteller: *Manufacturer:*	Thielert Aircraft Engines GmbH, Platanenstraße 14, D-09350 Lichtenstein / Sachsen, Phone: +49 (0)37204 696-0, Fax: -2912 / Germany	**Baujahr:** *Year of manufacture:*	2007
Kennblatt: *Data sheet:*	TCDS EASA.E.055 - Issue 05 - 11 May 2007		

ATA-NR.:05-7200-K000301
(Diamond 28V-DA42)

DS TAE 003

Bemerkungen:
Remarks:

Datum: 11. SEP. 2007
Date:

Unterschrift:
Signature:

Luftfahrzeugbau Ausweis-Nr. 5991 Klasse 4

Motor - Hauptkomponenten / *Engine main compenents*

DS TAE 003

11. SEP. 2007 Wunde

Bezeichnung / *Designation*	P/N: *Part number:*	S/N: *Serial number:*	TSN: *Time since new:*	TSI: *Time since inspection*
Motor / *Engine:*	05-7200-K000301	02-02-01841	0:00	
Kupplung / *Clutch:*	05-7211-K000304	20377 ✓	0:00	
Hochdruckpumpe / *High pressure pump:*	05-7312-K005301	0453 ✓	0:00	
Vorförderpumpe / *Feed pump:*	05-7312-K005801	00324 ✓	0:00	
Getriebe / *Gearbox:*	05-7212-K008807	00383 ✓	0:00	
FADEC:	05-7610-E000201	3552 (08/2007)	0:00	
Firmware:	02-7610-55101R7	TAE-125-m2.7	0:00	
Mapping:	52-7610-E000201	O28V272DA42		
Kabelbaum / *Engine Loom:*	05-7150-E000901	00288		
Alternator:	05-7150-E000601	C0445	0:00	
Turbolader / *Turbocharger:*	05-7241-K009402	11105	0:00	

LH ENGINE S/N
02-02-01841

Änderungsstand / *Modification record*

DS TAE 003

TSN:	Technische Mitteilung / *Service Bulletin*	LTA / *AD:*	Revision:	durchgeführt / *performed:*	Datum / *Date:*	Unterschrift: *Signature:*
0:00	TM TAE 000-0004		R53	checked	11. SEP. 2007	
0:00	TM TAE 000-0007		R1	checked	11. SEP. 2007	
0:00	TM TAE 125-0001		R2	checked	11. SEP. 2007	
0:00	TM TAE 125-1001 P1		R0	checked	11. SEP. 2007	

AUTHORISED CERT
E 1

dress:

berechtigter Betriebe

3. Part No.

Bauteil-Nr.

00-K000301

DIAMO

TAE 125-02-(01)

DD 02-02 Issue 2 Revision 0; Data EAS
ype Certificate IE-50 issued in accre
TM TAE 000-0004 R53, TM 00

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22. Name

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EASA Form 1- Issu
EASA Formblatt 1 - Aus
* Installer must cross - check eligibility with
Betrieb ist verpflichtet, die Verwendbarkeit anh

atically constitute authority to install the

hiness Authority different from the
that his/her Airworthiness Authority
1.

maintenance record must contain an
staller before the aircraft may be

ENGINE LOG

1. Make — THIELERT AIRCRAFT ENGINES GmbH
2. Model — TAE 125-02-99
3. Specification — E00069EN
4. Manufacturer's Serial Number — 02-02-01841
5. Date of Manufacture
6. Aircraft Inspection Cycle

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD →			Ø	Ø	LH ENGINE INSTALLED NEW ON DA 42 S/N 42.AC095	DA Q 42
					Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. CIG.001 DA 42 Engine Break-in performed by Thielert Aircraft Engines GmbH. Engine service with 6 qts. of Aero Shell Oil Diesel 10W-40 eng. oil. Five-hour Engine Check (TAE) carried out I.A.W. Doc No. 7.02.01, DA 42 AMM and applicable Diamond Aircraft Industries Inc. released Work Orders INSPECTOR	DA Q 42
OCT 29 2007			5.	0	FLIGHT TEST COMPLETED HOURS BROUGHT FORWARD	

N Number
N962SA

Date 3/27/2008 — *TACH/HOBBS* 47.1

Log Entry
Complied with AD 2008-06-52 by replacement of fuel line per TAE SB No. TM TAE125-1005 P1, Revision 2 dated March 6, 2008. Refer to WO#G01333 on file at Dillon's Aviation, Inc.

Ladd J Maxson, Jr. For Dillon's Aviation, Inc.
AP3064381

Date	LH TACH/HOBBS	LH ESMOH	LH ETT
3/5/2009	72.3		72.3

LH Eng Entry

Performed service items on this engine and gearbox as specified by engine manufacturer and Diamond Aircraft using 100 hour service kit PN 02-9900-90030R3. Cleaned all air and fuel filters. Changed oil and filter. Serviced with 6 quarts Aeroshell 10W/40 diesel oil. Replaced LH prop accumulator PN P-893 and prop accumulator hose PN 52-6110-H001301. Replaced LH clutch assembly furnished by owner. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Refer to WO#G01498 on file at Dillon's Aviation, Inc.

Ronald D. Dillon For Dillon's Aviation, Inc.
AP2394828951A

GML – Maintenance
Mobile (334) 728-6806

Date: Apr.02,2011 LHE TAE 125-02-99 S/N 02-02-01841 Reg: N926SA
Tach: 176.4 TTE: 176.4

100hr / Annual inspection completed this date I/A/W Diamond Aircraft DA42 AMM rev.2, TAE Repair manual RM -02-02 ver 1/25 and OM manual OM-02-02 ver.2/1 Engine serviced with 6 qts. AeroShell 10W40 Diesel oil and 1.5 liter 75W90 gearbox oil.
Completed MSB 42-007/8 Installed TAE-125,M2.91 Firmware and 028V293DA42 mapping. Installed new P/N PPRV Valve and Vibration Isolator I/A/W SB TM TAE 125-1007 P1rev.2 and SB TM TAE 125-1009 P1rev.4

AD 2011-07-09 FADEC Software/W by installing latest Software and Mapping.
AD 2011-05-06 Timing Chain, Due change at 910 hrs
AD 2010-18-02 Disk Springs. N/A by S/N.
AD 2010-11-09 PPRV Valve. C/W by install New Valve I/A/W TM TAE 125-1007 P1rev2. and installing Vibration Isolator I/A/W TM TAE 125-1009 P1rev.4
AD 2010-06-12 Rail Pressure Control Valve, P/C/W by installing new valve.
AD 2008-22-23 Spring in Clutch, P/C/W by installing new clutch.
AD 2008-06-23 P/C/W by replacement of clutch assembly.
AD 2008-06-52 P/C/W by installing new high pressure fuel line

I certify that this engine has been inspected I/A/W a 100hr/ Annual inspection and Found to be in an airworthy condition.

Glenn M. Lawler AP 2151929 IA

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TOTAL SINCE MFG.					

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

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

Diamond

Date: July 14, 2011 S/N: 42.AC095 Reg. #: N962SA
W/O RO-11-057 TACH: 192.2 HRS.

The following work carried out :
This Thielert Engine M/N: TAE 125-02-99 S/N: 02-02-1841 TSN: 192.2 Hrs. removed off LH side of 42.AC095 this date to facilitate installation of Austro engine I.A.W. OSB-42-068/1.
Cylinder compression readings taken firewall forward at time of removal
#1 80/80, #2 79/80, #3 80/80, #4 79/80
Alternator P/N 05-7150-E000601 S/N 00343 removed.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

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

Signature _____ Lic. Or Stamp DA RO12

N825TD
A/C TT: 197.2

Engine TT: 192.2
(GB, Clutch, Pumps, P Rail Valve)

PPRV TT: 15.8

This Engine installed on DA42 Left Side, AC S/N 42.AC098,
Installed entire assy: Mount, shock mounts, flames FADEC, EXCEPT for: Alternator, Accum, coolant + Heater radiators.
Alternator S/N C0445, TT 194.6 R/R at 120.6
Gearbox + Clutch + Feed Pump due Insp at: 905 AC TT
H.P. Fuel Pump / P.RAIL Valve due at: 1205 AC TT
(AD) PPRV due R/R at: 1081.4 AC TT
(AD) Timing Chain Due R/R at: 1505 AC TT
Serviced w/ 5L 10W40 1 1/2 L 75W90, serviced + purged Coolant, Ground Run ok

AP39178 2114

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TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Aug 17, 2011 Annual /100 Hr. Inspection C/W FAW		
A/C TT: 198.9 FAR 43 app D, AD research thru 11-16		
ENG TT: 193.9 11-02-09 P/C/W on 4/2/11		
11-05-06 Due at or before 910 Eng TT		
10-11-09 Due at 476.9 Eng TT		
10-06-12 Due at 600 Eng TT		
Leak tested Coolant system, purged fuel following filter R/R, Ground Run + FADEC tests ok		
I certify that this engine was inspected IAW an Annual Insp and was determined to be in an airworthy condition		
	AP39178 2114 IA	

150 A/C
1081.4
1205

LEFT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 898.4 TTE 293.4

C/W an Annual inspection IAW FAR 43 app D. Drained oil, R/R and inspected filter, serviced engine with 5L Aeroshell 10W-40.
Replaced the following items:
Gearbox: Installed p/n 05-7212-K033504 s/n 01427
High Pressure Pump: Installed p/n 05-7312-K005302 s/n 2004
Clutch: Installed p/n 05-7211-K009406
Feed Pump: Installed p/n 05-7312-K007301
Ground run and flight test check OK.
C/W AD10-11-09, New PPRV installed with new Gearbox. C/W AD11-23-01, New Clutch installed.
C/W AD12-02-05, New Clutch installed.
AD's researched thru 12-04. I certify that this engine has been inspected IAW an Annual inspection and determined to be in airworthy condition.

Signature _____ Date 3/23/2012
Paul Krystaszek A&P 3062365 IA

left

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 927.3 TTE 322.3

Added small amount of gearbox oil to gearbox, to show in inspection window.

Signature _____ Date 4/12/2012
Paul Krystaszek A&P 3062365

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

LEFT

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240 Aviation Drive North Suite 102
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REG. N825TD TYPE 76EM8S10-0-63 TACH 998.6 ETT 393.6
C/W an Annual inspection IAW FAR 43 app D. and Diamond 1000 hour checklist. Drained engine oil, R/R and inspected filter, serviced with 5L Aeroshell 10W-40. Drained gearbox oil, R/R filter, serviced with 1L 75W-90. R/R air filter. Pressurized coolant system and inspected for leaks, none noted. Ground run and ops check OK. I certify that this engine has been inspected IAW an Annual inspection and Diamond 1000 hr inspection and determined to be in airworthy condition.

Signature Paul Krystaszek A&P 3062365 IA Date 8/14/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 1080.2 S/N 02-02-01841
Removed and replaced defective coolant lines with new, P/N's NM-0000-0056801 (Qty 1), P/N NM-0000-0169301 (Qty 1), and P/N NM-0000-0056901; Serviced coolant system with 1 liter of coolant as required; Removed and replaced defective o-rings on High Pressure Pump with new, P/N NM-0000-196701; Performed run-up/operational check of engine and systems; All operations normal, no discrepancies/leaks found at this time. Engine total time 475.2 -----END-----

Signature Brian Thoresen, A&P 3277997 Date Jan 9th, 2013

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 1081.3 Eng S/N 02-02-01841
Engine Total Time 476.3; Removed cowlings, found oil leak at left gearbox; Checked security of all gearbox oil lines and fittings; Found loose fitting at constant speed unit; resecured fitting- Washed engine, performed run-up/ operational check of engine; All indicated parameters normal; No leaks found at this time; Reinstalled cowlings. -----END-------

Signature Brian Thoresen, A&P 3277997 Date Jan 11th, 2013

CARRIED FORWARD

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TOTAL SINCE MFG.		

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REG. N825TD TYPE TAE125-02-99 TACH 1082.2 ACTT 02-02-01841
Removed cowlings, found gearbox oil in lower cowl. Traced to loose fitting on fwd attached gearbox fitting. Resecured fitting, checked all other fittings for security, replenished gearbox oil. Washed engine, performed run-up leak check ,no other discrepancies noted at this time. Reinstalled cowlings.---End---

Signature Simon Crawford, A&P 3277003 Date 1/17/2013

Left

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240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1098.5 ETT 493.5
C/W a 100 hour inspection IAW FAR 43 appx. D using Diamond Aircraft DA-42 AMM Rev. 2 ATA code 05-20-00 as a reference. Drained engine oil and inspected filter. Drained gearbox oil and inspected filter. Removed fuel filter and inspected. Replaced engine oil filter, gearbox filter, and fuel filter with new P/N 05-9900-S000105 100 hour service kit from Thielert Aircraft Engines GMBH. Drained coolant. R/R all coolant lines with new P/N 52-7520-H003602 (QTY 1), NM-0000-0042401 (QTY 2), NM-0000-0057001 (QTY 3), NM-0000-0169101 (QTY 1), NM-0000-0210701 (QTY 1), NM-0000-0110101 (QTY 1). Serviced coolant system with drained coolant , pressurized coolant system and corrected small leak. R/R both vibration dampers on coolant reservoir with new P/N 509053. R/R all engine fuel lines, gearbox oil lines, and engine oil lines with new hoses fabricated by Air Pro CPO: PP022013. Serviced engine with 5 liters of Aeroshell 10W-40. Serviced gearbox with 1 liter of 75W90. Serviced accumulator to 152 P.S.I. AD 12-26-13 D/N/A due to software date. C/W AD 12-26-12 by visual inspection per TM TAE 125-1015 P1. AD research thru 2013-02. Ground run and leak check ok. I certify that this engine has been inspected IAW a 100 hour inspection and determined to be in airworthy condition.

Signature Jeremy R. Hughes A&P 3593175 Date 3/7/2013

Left

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REG. N825TD TYPE TAE-125-02-99 TACH 1100.3 ETT 495.3
ECU would not test. Cleared ECU warnings and preformed operational check. Tested ECU three times. Ops check ok.

Signature Jeremy R. Hughes A&P 3593175 Date 3/12/2013

LEFT

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240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1101.5 S/N 02-02-01841
C/W AD 12-26-13 by installation of updated firmware and mapping software using TM TAE 000-0007 Rev. 9 as a reference. Installed Firmware version TAE 125 m3.00 P/N 02-7610-55101R11, S/N CRC:127260520. Installed Mapping version O28V301DA42, CRC: 806733655.

Signature Jeremy R. Hughes A&P 3593175 Date 3/18/2013

ENGINE SERVICE AND

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

Left

Primeplanes Aircraft Services Inc.
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REG. N825TD TYPE TAE 125-02-99 TACH 1139.6 ETT 534.6

Removed high pressure pump P/N 05-7312-K005302, S/N 2004 due to fluctuating RPM at lower power settings. Installed overhauled high pressure pump P/N 05-7312-K005303, S/N 1049 using new high pressure pump install kit P/N 05-9900-S000301. Ground run ok.

Signature Jeremy R. Hughes A&P 3593175 Date 5/4/2013

Left

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240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1146.2 ETT 541.2

Removed cowlings and found small hole in rigid coolant pipe from upper coolant bleeder screw to coolant radiator. Drained remaining coolant. R/R rigid coolant pipe with new P/N 52-7520-H002502. Serviced system with 1 liter of drained coolant and 3 liters of new coolant P/N N000121. Pressure tested coolant system to 2.7 bars for 30 minutes, no leaks noted. Ground run and leak check ok.

Signature Jeremy R. Hughes A&P 3593175 Date ~~5/9/2012~~ 2013

LEFT ENGINE, S/N 02-02-01841

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1198.7 ETT 593.7

C/W Annual inspection I/A/W FAR Part 43 Appendix D and Diamond Aircraft DA 42 Series AMM, Maintenance Check list Engines, 05-28-00 as a reference; Drained engine oil, removed filter, and inspected; Drained gearbox oil, removed filter, and inspected; Removed fuel filter and inspected; Replaced oil filter, gearbox oil filter, and fuel filter with new, Theilert P/N 05-9900-S000105 100 hour service kit; Pressurized coolant system to 2.7 bar and found no leaks; R/R vibration isolator on adel clamp securing intake pipe from turbo intercooler; Serviced engine with 5 quarts of Aeroshell Ultra diesel oil; Serviced gearbox with 1 litre of Aeroshell 75w90 oil; AD's researched through issue 2013-11; None requiring compliance at this time; Ground run-up and leak check ok; I certify that this engine has been inspected in accordance with an annual inspection and determined to be in an airworthy condition;

Signature Art Boiteau, A&P 2863454 IA Date 6/19/2013

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240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA-42 TACH 973.6 S/N 42.AC098

100 hour/annual inspection completed this date I/A/W FAR Part 43 appx D and Diamond 100 hour checklist. Cleaned and lubed aircraft I/A/W Diamond lubrication chart. Jacked aircraft performed gear swings and emergency extension. AD's checked thru 2013-11. I certify that airframe has been inspected I/A/W an annual inspect I/A/W an annual inspection and has been determined to be in airworthy condition.

Signature Arthur Boiteau A&P 2863454 IA Date June 19 2013

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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	LICENCE NUMBER
JULY 5TH, 2013 — TACH TIME: 1204.7 ENGINE TOTAL TIME: 605.0 — TROUBLESHOT FIRE WARNING PROBE DUE TO INTERMITTENT WARNINGS DISPLAYED ON PFD; PERFORMED CONTINUITY CHECK OF PROBE AND WIRING; FOUND CORRODED GROUND; CLEANED CORROSION FROM GROUND AS REQUIRED; PERFORMED OPERATIONAL CHECK OF PROBE; NO FAULTS NOTED AT THIS TIME; -END-	Brian Thoresen	MECHANIC #3277997, A&P
JULY 8TH, 2013 TACH TIME: 1204.7 ENG. TOTAL TIME: 605.0 — REMOVED AND REPLACED FIRE WARNING PROBE W/ NEW, P/N D60-9026-16-03, SERIAL # RC1300567 (.); PERFORMED OPERATIONAL CHECK OF PROBE/ WARNING SYSTEM; ALL OPERATIONAL PARAMETERS NORMAL; -END-	Brian Thoresen	MECH 3277997 A&P

Left

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Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 1213.2 ETT 608.2
Engine S/N 02-02-01841

Removed propeller. Drained gearbox oil. Drained coolant. Removed gearbox P/N 05-7212-K033504, S/N 01427. Installed gearbox P/N 05-7212-K033504, S/N 00465 that was overhauled by Thielert Aircraft engines GmbH, IAW Thielert repair manual Centurion 2.0 RM-02-02 ATA code 72-10.15 Rev. 10 pages 1-24. Installed gearbox using new gearbox installation set C2.0 P/N 05-9900-S000204. Serviced gearbox with 1 liter of Shell 75w-90. Serviced coolant system with 4 liters of drained coolant. Pressure tested coolant system for leaks, none noted. Installed propeller using new o-ring and lock nuts that were supplied with gearbox installation set. Torqued propeller to 34 ft. lbs. Removed alternator P/N 05-7150-E000601, S/N C0445. Installed overhauled alternator P/N 05-7150-E000601, S/N 00247 IAW Thielert repair manual Centurion 2.0 RM-02-02 ATA code 71-50.01 Rev. 9 pages 1-2. Ground run and leak check ok. Added small amount of gearbox oil to proper level in inspection window. Safetied gearbox service plug. C/W AD 10-11-09 R1 new PPRV installed on overhauled gearbox, next due at ACTT 1813.2.

Signature Jeremy R. Hughes A&P 3593175 Date August 27, 2013

LEFT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1213.7 S/N 02-02-01841

Serviced gearbox with Aeroshell 75w-90 oil to correct level in sight glass; Reinstalled plug and safety ~~wired~~ as required. ---END---

Signature Brian Thoresen A&P 3277997 Date 8/28/2013

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES	SIGNATURE	LICENCE NUMBER
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240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1298.3 ETT 693.3

C/W a 100 hr inspection IAW FAR Part 43, Appendix D. Using Diamond DA-42 AMM as a guide. Serviced using 100 hr service kit P/N 05-9900-S0001105. Drained oil, removed and inspected oil filter for metal, none noted. Installed new filter, and added 5 litres of Aeroshell Diesel ultra oil. Drained gearbox oil, removed and inspected filter, none issues noted. Installed new filter, and added 1 Litre of Gearbox oil. Removed and inspected fuel filter, no discrepancies noted. Installed new filter. Performed a pressure check of the coolant system, no leaks noted. Removed and replaced Aft coolant tank isolator with new, P/N NM-0000-0024601 Performed AD 2010-06-12R1 R&R fuel rail pressure valve with new, P/N 05-7320-E-000703, worked performed IAW Technify ERM section 73-10.07.AD's researched through 2/6/2014. Ground run-up and leak check performed, no leaks or discrepancies noted at this time. I certify that this Engine has been inspected IAW a 100 hour inspection, and determind to be in an airworthy condition---END---

Signature Simon Crawford, A&P 3277003 Date 2/7/2014

N825TD, Diamond DA42, S/N 42AC098 Engine 1
Date: **07-24-2014** Hobbs 0143.8 ~~TTAF 1442.7~~ TSMOH 837.1 TTAF 1379.3
Checked AD's through Issue 2014-14-06 No new ADs noted,
I certify that this Engine, propeller and Accrues has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

L/H engine

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE DA 42 TACH 1475.3 HOBBS 276.4

While performing an annual inspection, the following items were addressed: serviced L/H engined with a 100hr service kit. Serviced engine and G/B fluid levels, replaced intercooler vibration isolator. Performed gnd run-up. No leaks noted at this time.-END-

Signature Ken A. Boynton A&P 264519426 Date 6/1/2015

N825TD, Diamond DA42, S/N 42AC098 Engine 1
Date: **05-29-2015** Hobbs 0276.4 TTAF 1511.9 TSMOH 965.7
Checked AD's through Issue 2015-11-04 No new ADs noted,
I certify that this Engine, propeller and Accrues has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

PRIMARY FLIGHT MAINTENANCE

N-825TD
LH Engine

Date: 08-01-20 Hobbs:368.3 ETSMO: 1057.6 ACFTT: 1563.6
Completed Annual Inspection and service IAW DMM and TMM. Drained and serviced reduction gear box. No Faults or Debris Found. Drained and serviced Engine Oil System with new oil filter and filled to proper level with Aeroshell Diesel Engine Ultra Oil. Installed TAE 125-02-099 100Hr Kit. Removed and replaced accessory drive belt. Removed and replaced Radiator Mount Bushings. Ops/Run/Leak check Good. Engine has been maintenanced IAW TMM and DMM and is airworthy and released for service with respect to details above.
Signature: Stephen Vyvjala A&P 3833741IA
Date: 8/1/20
----------Nothing Follows----------

ENGINE MODEL: CD-135
ENGINE S/N (L): 02-02-01841
REG. NO: N825TD
WORK ORDER: 0263

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/19/2021
A/C TSN: 1551.6
ENG TT (L): 946.6
HOBBS: 405.3

Left Engine Entries
- Replaced gearbox with overhauled 05-7212-K043902 S/N 02074
- Replaced feed pump with new 05-7312-K013301 S/N13699
- Replaced timing chain with new parts kit 05-9900-S000605
- Changed coolant G48
- Replaced all coolant, fuel, and oil hoses

DATE: 5/19/2021 SIGNED:
David Seastead, License: AP3492477 IA
Work Order: 0263
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: CD-135
ENGINE S/N (L): 02-02-01841
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
ENG TT (L): 946.9
HOBBS: 410.1

Left Engine Entries
- Performed 100 Hour Inspection using DA42 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Replaced radiator and coolant bottle shock mounts

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:
David Seastead, License: AP3492477 IA
Work Order: 0439
Printed by EBis 3 (datcomedia.com)

Premier Aircraft Service

Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

HOBBS: 405.3

Left Engine Entries

- Replaced gearbox with overhauled 05-7212-K043902 S/N 02074
- Replaced feed pump with new 05-7312-K013301 S/N13699
- Replaced timing chain with new parts kit 05-9900-S000605
- Changed coolant G48
- Replaced all coolant, fuel, and oil hoses

DATE: 5/19/2021 SIGNED:

Work Order: 0263

David Seastead, License: AP3492477 IA

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: CD-135
ENGINE S/N (L): 02-02-01841
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
ENG TT (L): 946.9
HOBBS: 410.1

Left Engine Entries

- Performed 100 Hour Inspection using DA42 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Replaced radiator and coolant bottle shock mounts

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:

Work Order: 0439

David Seastead, License: AP3492477 IA

Printed by EBis 3 (datcomedia.com)

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

AUTHORISED RELEASE CERTIFICATE
EASA FORM 1

1. Approving National Aviation Authority / Country Genehmigende nationale Luftfahrtbehörde / Staat	Luftfahrt-Bundesamt / Germany
2. Form Tracking Number laufende Formularnummer	E2343/2007
3. Work Order / Contract / Invoice Arbeitsauftrag / Vertrag / Lieferschein	FA3711136
4. Approved Organisation Name and Address: Genehmigung durch das Luftfahrt-Bundesamt Zur Ausstellung dieser Bescheinigung berechtigter Betriebe	Thielert Aircraft Engines GmbH Platanenstraße 14, D-09350 Lichtenstein ☎ (+49) 37204 696 0 Fax (+49) 37204 696 50 info@tae-engines.com

6. Item Lfd. Nr. / Position	7. Description Beschreibung	8. Part No. Bauteil-Nr.	9. Eligibility* Verwendbarkeit*	10. Qty Anzahl	11. Serial- / Batch-No. Werk- / Los-Nr.	12. Status / Work Zustand / Arbeiten
1	Kolbenflugmotor TAE 125-02-99 Aircraft piston engine TAE 125-02-99	05-7200-K000301	DIAMOND DA 42 28V TAE 125-02-99-(0003)-(01)	1	02-02-01848	Hergestellt / manufactured

13. Remarks
Bemerkungen

Type design definition TDD 02-02 Issue 2 Revision 0; Data sheet EASA.E.055-Issue 05 - 11 May 2007. This engine conforms to the Canadian Department of Transportation of Transport Type Certificate IE-50 issued in accordance with the terms of an applicable Bileteral Airwothiness Agreement or technical Arrangement. TM TAE 000-0004 R53, TM TAE 000-0007 R1, TM TAE 125-0001 R2, TM TAE 125-1001 R0, TM TAE 125-1003 R0, TM TAE 125-1004 R0.

14. Certifies that the items identified above were manufactured in conformity to:
Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit:

- [X] **approved design data and are in condition for safe operation**
  genehmigten Entwicklungsunterlagen und in einem Zustand für einen sicheren Betrieb sind.
- [ ] **non-approved design data specified in block 13**
  in Feld 13 aufgeführten nicht genehmigten Entwicklungsunterlagen.

19. [ ] **Part -145A.50 Release to Service**
Freigabebescheinigung gemäß Teil-145A.50
Certifies that unless otherwise specified in block 13, the work specified in block 12 and described in block 13, was accomplished in accordance with Part - 145 and in repect to that work the items are considered ready for release to service
Es wird bescheinigt, dass, wenn in Feld 13 nichts anderes festgelegt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil - 145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.

[ ] **Other Regulation specified in block 13**
Freigabebescheinigung gem. in Feld 13 aufgeführter Vorschrift

15. Authorised Signature Unterschrift der berechtigten Person	16. Approval / Authorisation Number Genehmigungs- / Berechtigungsnummer DE.21G.0142
17. Name Name Wolfgang Gläser	18. Date (d/m/y) Datum (Tag/Monat/Jahr) 14.09.2007
20. Authorised Signature Unterschrift der berechtigten Person	21. Certificate / Approveal Ref No. Bescheinigungs- / Genehmigungsnummer
22. Name Name	23. Date (d/m/y) Datum (Tag/Monat/Jahr)

EASA Form 1- Issue 1
EASA Formblatt 1 - Ausgabe 1
* Installer must cross - check eligibility with applicable technical data
Der Verwender/einbauende Betrieb ist verpflichtet, die Verwendbarkeit anhand der geltenden technischen Unterlagen zu überprüfen.

Note:

AUTHORIZED RELEASE CERTIFICATE- EASA FORM 1
USER / INSTALLER RESPONSIBILITIES

1. It is important to understand that the existence of the document alone does not automatically constitute authority to install the part/compenent/assembly.
2. Where the user/installer works in accordance with the national regulation of an Airworthiness Authority different from the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accept parts/compenents/assemblies from the Airworthiness Authority specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an insallation certification issued in accordance with the national regulations by the user /installer before the aircraft may be flown.

Anmerkung

AUTORISIERTE FREIGABEBESCHEINIGUNG -EASA FORMBLATT !
VERANTWORTUNG DES VERWENDERS/EINBAUENDEN BETRIEBES

1. Es wird ausdrücklich darauf hingewiesen, dass das Vorhandensein dieser Bescheinigung allein nicht automatisch zum Einbau von Teilen/Komponenten/Baugruppen berechtigt.
2. Wenn der Verwender/einbauende Betrieb in Übereinstimmung mit den nationalen Vorschriften einer anderen als der in Feld 1 genannten Luftfahrtbehörde arbeitet, hat er unbedingt sicherzustellen, dass seine Luftfahrtbehörde Teile/Komponenten/Baugruppen, die von der in Feld 1 genannten Luftfahrtbehörde genehmigt sind, akzeptiert.
3. Die Erklärung in Feld 14 und 19 stellen keine Freigabe des Einbaus dar. In jedem Einzelfall müssen die Instandhaltungsaufzeichnungen des betroffenen Luftfahrzeugs einen durch den Verwender/einbauenden Betrieb ausgestellten Freigabevermerk für den Einbau entsprechend den nationalen Vorschriften enthalten, bevor das Luftfahrzeug den Flugbetrieb aufnehmen darf.

NGINE LOG

THIELERT AIRCRAFT ENGINES GmbH
TAE 125-02-99
E00069EN
02-02-01848

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →			Ø	Ø	RH ENGINE INSTALLED NEW ON DA 42
					Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. CIG.001 DA 42 Engine Break-in performed by Thielert Aircraft Engines GmbH. Engine service with 6 qts. of Aero Shell Oil Diesel 10W-40 eng. oil. Five-hour Engine Check (TAE) carried out I.A.W. Doc No. 7.02.01, DA 42 AMM and applicable Diamond Aircraft Industries Inc. released Work Orders INSPECTOR DA Q 42 FLIGHT TEST COMPLETED
NOV 14 2007			5.	0	HOURS BROUGHT FORWARD
3-24-08			50	0	C/W AD 2008-06-52 PER SBTM
					TAE125-1005P1 HIGH PRESS FUEL
					LINE. OPS & LK CHECKED GOOD ON
					RUN-UP [signature] AP2796559
4-29-08			107	5	INSPECTED ENGINE FOR A 100HR
					INSP. PER AMM OPS & LK CHECKED
					GOOD ON RUN-UP
					[signature] I CERTIFY THAT THIS ~~AIRFRAME~~ / ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR / ~~ANNUAL~~ INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
					AP2796559
6-27-08			207.8		INSPECTED ENGINE FOR A 200HR
					INSP PER AMM OPS & LK CHECKED
					GOOD ON RUN-UP
					[signature] I CERTIFY THAT THIS ~~AIRFRAME~~ / ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR / ~~ANNUAL INSPECTION AND WAS~~ DETERMINED TO BE IN AIRWORTHY CONDITION.
					AP2796559

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes Aircraft Services

R/H

REG. N325TD TYPE TAE 125-02-99 TACH 304 TSN 304

Annual inspection C/W IAW FAR 43 app D, AD's researched thru 08-22, c/w TM TAE 125-1006P1 and 1007P1clutch and prop valve replaced, AD08-22-23 c/w clutch replaced, oils drained, gearbox replaced s/n on: 00705 off:00395, clutch r/r s/n on: 20610 off: 20364, feeder pump r/r s/n on: 2160 off: 0390, comp all above 60/80, engine serviced with 6 liter 5W40 helix oil, gearbox serviced with 1.1 liter 75W90, inner cooler shock mounts replaced p/n 509053, nacelle fuel filters r/r, fuel lines bled and leak tested OK ground run performed and FADEC downloaded and submitted to TAE.

I certify that this ENGINE has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature [signature] Craig Bloomer AP3917871 4IA Date 4-Nov-2008

TOTAL THIS I
TOTAL FR
PREVIOUS SUM
TOTAL SINCE MF

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
S/N 42.AC098 →	[signature]	DA Q 42
	[signature]	DA Q 42
April 14,09 403.3 c/w an Annual Inspection, AD research thru 09-06, drained fluids, FADEC Download + analysed, serviced engine w/5.5l 10W40, serviced gearbox w/1.1l 75W90, all filters R/R & Inspected, Ground Run ok Determined to be in an airworthy condition	AP 3917871 4IA	
10/23/09 503.2 c/w an Annual Inspection IAW FAR 43 app D, AD's researched thru 09-20 R/R & Inspected Fuel, Oil and gearbox filters serviced engine w/10w40, serviced gearbox w/75W80 serviced accumulator to 125psi, leak tested coolant system, serviced coolant level w/ ZVW-237-05 as needed, FADEC downloaded and checked ok, Ground Run ok, fluids checked following engine run OK I certify that this engine was inspected IAW an Annual Inspection and determined to be ok	AP3917871 4IA	

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD →							
July 20, 2010			SB	TAE	125-1011 DNIA by Clutch Slip Rust	AP3912871149	

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005
PrimePlanes — RIGHT

REG. N825TD TYPE TAE 125 TACH 602.6 TSN 602.6

ANNUAL inspection completed IAW FAR 43 app D, AD's researched thru 10-16, 10-06-12 installed a new valve p/n 05-7320-E000702 with modified plug, next due 1202.6, 10-11-09 par e1 c/w at TAE, 05-7212-E002801 valve and 05-7212-K022302 vibration mount installed, par e2 next due 902.6, drained engine and gearbox oil,
replaced gearbox, p/n 05-7212-K035101 s/n ON: 00333 OFF: 705
replaced clutch, p/n 05-7211-K009404 s/n ON: FA2005860 OFF: 20610
replaced alternator, p/n 05-7150-E000601 s/n ON: 00819 OFF: 00368
replaced high pres pump, p/n 05-7312-K005301 s/n ON: 0806 OFF: 0490
replaced rail valve, p/n 05-7320-E000702 s/n ON: 3101 OFF: 1313
serviced engine with 5 liters 10W40, serviced gearbox with 1.2 liter 75W90, FADEC software updated to vs 2.91 R/R oil and fuel filters, coolant system level OK and pressure test OK, Ground run and download taken.
I certify that this ENGINE has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature _____ Date 8/13/2010
Craig Bloomer AP391787114IA

9/10/10 TT622.5					Serviced Gearbox with .25 L of 75W-90 oil. Level Check OK.	AP3062365	
Oct 6, 2010 TT 650.7					R/R Starter, Installed s/N B593085/1. Ops Check OK.	AP3062365	
12/8 690.2					Swapped PPEV with engine	AP391787114	
					CARRIED FORWARD		
TOTAL THIS PAGE							
TOTAL FROM PREVIOUS SUMMARY							
TOTAL SINCE MFG.							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005
PrimePlanes — RIGHT

REG. N825TD TYPE TAE 125-02 TACH 697.8 TSN 697.8

Annual inspection completed IAW FAR 43 app D, AD's researched thru 10-26 and daily, 10-18-02 DNA by clutch part number, drained oils, r/r all filters, serviced with 10W40 engine oil and 75W90 gearbox oil, serviced accumulator with nitro, RB0700 air filter replaced, coolant caps inspected as per MSB42-035,

I certify that this ENGINE has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature _____ Date 1/7/2011
Craig Bloomer AP391787114IA

12/20/10	691.0				Swapped Gearbox with c/w engine Serviced oil, Ground Run ok	AP391787114	
Jan 18, 2011	Tach 703.9				Swapped FADEC Computers Ground Run ok	AP391787114	
3/29/11	760.1				Swap clutch assy w/ c/H engine Reinstall Gearbox + and swap / service oil, Ground Run ok	AP391787114	
April 4, 2011	Tach 764.5				Swap accumulators w/ c engine	AP391787114	
4/21/11	780.5				Swap Fuel Injectors off other engine Ground Run ok	AP391787114	

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD 5/24/2011	789.0				Swapped crank sensors + set depth A/N AP3917871114
6/3/11	792.0				Swapped CAM Sensor w/ engine AP3917871114
6/10/11	794.3				Swapped Turbo, waste gate + controller w/ engine AP3917871114
7/15/2011	797.2				R/R Exhaust/Turbo Manifold gasket and associated parts P/N 05-7241-K006602 AP3917871114
Aug 17, 2011 A/C TT: 798.9 Eng TT: 798.9					Annual Insp C/W FAR PAR 43 app D, AD reserved Ann 11-16, 11-07-09 P/C/W on 8/13/10, 11-05-06 Due on or before 910 TT, 10-11-09 Due on or before 902.6, 10-06-12 Due on or before 1202.6 All oils + filters replaced, serviced w 5 l 10W40 + 1.5 l 75W90, fuel purged after filters R/R, Coolant leak test ok, Ground Runs ok, I certify that this engine has been inspected IAW an Annual and was determined to be in airworthy condition
					CARRIED FORWARD AP3917871147A
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	LICENCE NUMBER
Right **Primeplanes Aircraft Services Inc.** 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE TAE125-02-99 TACH 898.4 TTE 898.4 C/W an Annual inspection IAW FAR 43 app D. Drained oil, R/R and inspected filter, serviced engine with 5L Aeroshell 10W-40. Replaced the following items: Gearbox: Installed p/n 05-7212-K033504 s/n 00690 High Pressure Pump: Installed p/n 05-7312-K005302 s/n 1220 Clutch: Installed p/n05-7211-K009406 Feed Pump: Installed p/n 05-7312-K007301 Ground run and flight test OK. C/W AD10-11-09, New PPRV installed with new Gearbox. C/W AD11-05-06, New Timing Chain installed. C/W AD11-23-01, New Clutch installed. C/W AD12-02-05, New Clutch installed. AD's researched thru 12-04 I certify that this engine has been inspected IAW an Annual inspection and determined to be in airworthy condition Signature Date 3/23/2012 Paul Krystaszek A&P 3062365 IA		
right **Primeplanes Aircraft Services Inc.** 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE DA-42 TACH 927.3 TTE 927.3 Pressure checked coolant system, found serveral loose hose clamps, tightened hose clamps, added coolant to system, and re-checked OK. Signature Date 4/12/2012 Paul Krystaszek A&P 3062365		
Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 REG. N825TD TYPE TAE125-02-99 TACH 950.9 TSN 950.9 Removed fuel feed pump, R/R o-ring and re-installed pump. Ground run and leak check OK. Signature Date 5/7/2012 Paul Krystaszek A&P 3062365		

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
BROUGHT							

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE O-360-A4M TACH 998.6 ETT 998.6

C/W an Annual inspection IAW FAR 43 app D. and Diamond 1000 hour checklist. Drained engine oil, R/R and inspected filter, serviced with 5L Aeroshell 10W-40. Drained gearbox oil, R/R filter, serviced with 1L 75W-90. R/R air filter. Drained coolant, and serviced with new coolant p/n N000121. R/R alternator belt. R/R fwd coolant hose due to chaffing. Pressurized coolant system and inspected for leaks, none noted. Ground run and ops check OK. AD's researched thru 12-14. I certify that this engine has been inspected IAW an Annual inspection and Diamond 1000 hr inspection and determined to be in airworthy condition.

Signature Paul Date 8/14/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1031.1 ACTT

Cleared ECU B failure on right engine. Ops check ok.

Signature Jeremy R. Hughes A&P 3593175 Date 10/16/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1032.6 ACTT

Cleared ECU A failure on right engine. Ops check ok.

Signature Jeremy R. Hughes A&P 3593175 Date 10/18/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1033.1 ACTT

ECU A and B failure on right engine. Pressure checked manifold A and B lines. Found small crack on manifold A line, removed two inches of line where it connects to intake manifold and pressure checked. Reconnected all manifold pressure lines. Cleared ECU A and B warnings. Ground run and ops check ok.

Signature Jeremy R. Hughes A&P 3593175 Date 10/19/2012

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1074.9 ETT 1074.9

Removed alternator, P/N 05-7150-E000601, S/N 00819. Installed P/N 05-7150-E000601, S/N 00683 that was overhauled by Thielert Aircraft Engines GmbH, form tracking number IP70117-2012, Work order number FA2205360, dated July 12, 2012. Ground run and ops check ok.

Signature Jeremy R. Hughes A&P 3593175 Date 12/14/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1098.5 ETT 1098.5

Complied with 100 hour inspection in accordance with FAR Part 43 Appendix D using Diamond Aircraft DA-42 AMM Rev.2 ATA code 05-20-00 as a reference. Drained engine oil and visually inspected filter for metal particulates; None found; Drained gearbox oil and inspected filter; No discrepancies noted; Removed fuel filter and inspected for particulates; None found; Replaced engine oil filter, gearbox oil filter, and fuel filter with new (P/N 05-9900-S000105, QTY 1, 100 hour service kit from Theilert Aircraft engines GMBH;) Drained coolant, Removed and replaced all coolant lines with new, P/N 52-7520-H003602 (Qty 1), NM-0000-0042401 (Qty 2), NM-0000-0057001 (Qty 3), NM-0000-0169101 (Qty 1), NM-0000-0210701 (Qty 1), NM-0000-0110101 (Qty 1); Re-serviced coolant and pressure checked system to 2.7 bar; Corrected small leak at Thermostat housing; Removed and replaced all engine fuel lines, gearbox lines, and engine oil lines with new hoses fabricated by Air Pro, Inc, CPO/WO PP022013; Serviced engine with 5 quarts of Aeroshell 10w-40 oil; Serviced gearbox with 1 liter of 75w-90 oil; Serviced propeller accumulator to 152 psi; Removed and replaced turbo heat shield with new, P/N 52-7140-H000104 in accordance with Theilert Engines DA-42 Minor Change Approval 52-0002 Issue 1; AD 12-26-13 D/N/A due to software version/date; C/W AD 12-26-12 by visual inspection per TM TAE 125-1015 P1; AD's researched through 03/07/2013; Performed ground run; No leaks noted; All operational parameters normal; I certify that this engine has been inspected in accordance with a 100-hour inspection and found to be in an airworthy condition.----END----

Signature Brian Thoresen, A&P 3277997 Date March 7th, 2013

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1101.5 S/N 02-02-01848

C/W AD 12-26-13 by installation of updated firmware and mapping software using TM TAE 000-0007 Rev. 9 as a reference. Installed Firmware version TAE 125 m3.00 P/N 02-7610-55101R11, S/N CRC:127260520. Installed Mapping version O28V301DA42, CRC: 806733655.

Signature Jeremy R. Hughes A&P 3593175 Date 3/18/2013

RIGHT ENGINE, S/N 02-02-01848

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1198.7 ETT 1198.7

C/W Annual Inspection IAW FAR Part 43 Appendix D and Diamond Aircraft DA 42 Series AMM, Maintenance Check list Engines, 05-28-00 as a reference; Drained engine oil, removed filter and inspected; Drained Gearbox oil, removed filter and inspected; Removed fuel filter and inspected; Replaced oil filter, gearbox oil filter, and fuel filter with new,Theilert P/N 05-9900-S000105 100 hour service kit; Pressurized coolant system to 2.7 bar and found no leaks; Serviced engine with 5 quarts Aeroshell Ultra diesel oil; Serviced Gearbox with 1 litre 75w-90 oil; AD's researched through issue 2013-11, none requiring compliance at this time; Ground run and leak check ok; I certify that this engine had been inspected in accordance with an annual inspection and determined to be in an airworthy condition;

Signature Art Boiteau, A&P 2863454 IA Date 6/19/2013

TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMARY
TOTAL SINCE MFG.

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD							

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1200 ETT 1200

Complied with AD 10-06-12 R1 by removal and replacement of the rail pressure control valve with the same part. Removed P/N 05-7320-E000702 S/N 3101. Installed assembly P/N 05-7320-E000703 S/N 1208. All work performed in accordance with AD and section 73-10-08 of the Thielert repair manual. Next due at tach time 1800.0 Ground run up and leak check ok.

Signature Simon Crawford, A&P 3277003 Date 6/21/2013

[redacted]

INCORRECT ENTRY ABOVE WRONG TAIL # Brian Thoresen A&P 3277997

Right

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 1213.2 ETT 1213.2
Engine S/N 02-02-01848

Removed propeller. Drained gearbox oil. Drained coolant. Removed gearbox P/N 05-7212-K033504, S/N 00690. Installed gearbox P/N 05-7212-K033504, S/N 00329 that was overhauled by Thielert Aircraft engines GmbH IAW Thielert repair manual Centurion 2.0 RM-02-02 ATA code 72-10.15 Rev. 10 pages 1-24. Installed gearbox using new gearbox installation set C2.0 P/N 05-9900-S000204. Serviced gearbox with 1 liter of Shell 75w-90. Serviced coolant system with 4 liters of drained coolant. Pressure tested coolant system for leaks, none noted. Installed propeller using new o-ring and lock nuts that were supplied with gearbox installation set. Torqued propeller to 34 ft. lbs. Removed high pressure pump P/N 05-7312-K005303, S/N 1220 and installed overhauled high pressure pump P/N 05-7312-K005303, S/N 1640 using new high pressure pump installation set P/N 05-9900-S000301 IAW Thielert repair manual RM-02-02 ATA code 73-10.02 Rev. 11 pages 1-7. Bled fuel system. Ground run and leak check ok. Added small amount of gearbox oil to proper level in inspection window. Safetied gearbox service plug. Charged accumulator with nitrogen to 125 P.S.I. C/W AD 10-11-09 R1 new PPRV installed on overhauled gearbox, next due at ACTT 1813.2.

Signature Jeremy R. Hughes A&P 3593175 Date August 27, 2013

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE-125-02-99 TACH 1213.7 S/N 02-02-1848

Serviced gearbox with Aeroshell 75w-90 oil to correct level in sight glass; Reinstalled plug and safety wired as required.---END---

Signature Brian Thoresen, A&P 3277997 Date 8/28/2013

TOTAL TIME
TOTAL PREVIOUS
TC SINCE MFG.

Right

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE125-02-99 TACH 1251.1 ACTT 1251.1

Pilot reported double ECU failure. Performed maintenance data download and sent to Centurion tech support. Disconnected MAP lines A & B and pressure tested per Centurions request. Found small crack in line A just below fitting in manifold. Remove 1 inch of MAP line and pressure tested again, no faults noted. Reconnected MAP lines and performed ground run, no faults noted.

Signature Jeremy R. Hughes A&P 3593175 Date October 8, 2013

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1298.3 ETT 1298.3

C/W a 100 hr inspection IAW FAR Part 43, Appendix D. Using Diamond DA-42 AMM as a guide. Serviced using 100 hr service kit P/N 05-9900-S0001105. Drained oil, removed and inspected oil filter for metal, none noted. Installed new filter, and added 5 litres of Aeroshell Diesel ultra oil. Drained gearbox oil, removed and inspected filter, none issues noted. Installed new filter, and added 1 Litre of Gearbox oil. Removed and inspected fuel filter, no discrepancies noted. Installed new filter. Performed a pressure check of the coolant system; no leaks noted. Removed and replaced Fire probe (Thermal switch) with new, P/N D60-9026-16-03 ops checked, results good. AD's researched through 2/6/2014. Ground operational run-up and leak check performed, no leaks or discrepancies noted at this time. I certify that this Engine has been inspected IAW a 100 hour inspection, and determind to be in an airworthy condition---END---

Signature Simon Crawford, A&P 3277003 Date 2/7/2014

N825TD, Diamond DA42, S/N 42AC098. Engine 2
Date: **07-24-2014** Hobbs 0143.8 ETSN 1442.1 TTAF ~~1442.1~~ 1379.3
Checked AD's through Issue 2014-14-06 No new ADs noted,
I certify that this Engine, propeller and Accrues has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE TAE 125-02-99 TACH 1379.3 ETT 1379.3

Removed and replaced both aft Coolant vibration isolators with new P/N 90589, due being split. Removed and replaced aft L/H intercooler vibration isolator with new P/N 509053.

Signature Simon Crawford, A&P 3277003 Date 8/13/2014

ENGINE SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS — NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD →							

R/H engine

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes Aircraft Services Inc.

REG. N825TD TYPE DA 42 TACH 1475.3 HOBBS 276.4

While performing an annual inspection, the following items were addressed: serviced L/H engined with a 100hr service kit. Serviced engine and G/B fluid levels, replaced R/H engine induction hose clamp, replaced R/H engine coolant radiator vibration isolator. Performed gnd run-up. No leaks noted at this time.-END-

Date 6/1/2015

Signature Ken A. Boynton
Ken A. Boynton A&P 264519426

N825TD, Diamond DA42, S/N 42AC098 Engine 2
Date: **05-29-2015** Hobbs 0276.4 ETSN 1574.7 TTAF 1511.9
Checked AD's through Issue 2015-11-04 No new ADs noted,
I certify that this Engine, propeller and Accrues has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

PRIMARY FLIGHT MAINTENANCE
KEEPS YOU AIRBORNE

N-825TD
RH Engine

Date: 08-01-20 Hobbs:368.3 ETSN: 1566.6 ACFTT: 1563.6

Completed Annual Inspection and service IAW DMM and TMM. Drained and serviced reduction gear box. No Faults or Debris Found. Drained and serviced Engine Oil System with new oil filter and filled to proper level with Aeroshell Diesel Engine Ultra Oil. Installed TAE 125-02-099 100Hr Kit. Removed and replaced accessory drive belt. Removed and replaced Radiator Mount Bushings. Ops/Run/Leak check Good. Engine has been maintenanced IAW TMM and DMM and is airworthy and released for service with respect to details above.

Signature: Stephen Vyvjala A&P 3833741IA
Date: 8-1-20

----------Nothing Follows----------

					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

ENGINE MODEL: CD-135
ENGINE S/N (R): 02-02-01848
REG. NO: N825TD
WORK ORDER: 0263

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/19/2021
A/C TSN: 1551.6
ENG TT (R): 1551.6
HOBBS: 405.3

Right Engine Entries
- Replaced wastegate actuator with new 05-7241-K014301
- Replaced gearbox with overhauled 05-7212-K043902 S/N 02214
- Replaced feed pump with new 05-7312-K013301 S/N13698
- Changed coolant G48
- Replaced all coolant, fuel, and oil hoses

DATE: 5/19/2021 SIGNED: Work Order: 0263
David Seastead, License: AP3492477 IA Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: CD-135
ENGINE S/N (R): 02-02-01848
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
ENG TT (R): 1551.9
HOBBS: 410.1

Right Engine Entries
- Performed 100 Hour Inspection using DA42 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Replaced radiator and coolant bottle shock mounts
- Replaced RH forward engine mount

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED: Work Order: 0439
David Seastead, License: AP3492477 IA Printed by EBis 3 (datcomedia.com)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE MODEL: CD-135
ENGINE S/N (R): 02-02-01848
REG. NO: N825TD
WORK ORDER: 0263

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/19/2021
A/C TSN: 1551.6
ENG TT (R): 1551.6
HOBBS: 405.3

Right Engine Entries

- Replaced wastegate actuator with new 05-7241-K014301
- Replaced gearbox with overhauled 05-7212-K043902 S/N 02214
- Replaced feed pump with new 05-7312-K013301 S/N13698
- Changed coolant G48
- Replaced all coolant, fuel, and oil hoses

DATE: 5/19/2021 SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0263

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: CD-135
ENGINE S/N (R): 02-02-01848
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
ENG TT (R): 1551.9
HOBBS: 410.1

Right Engine Entries

- Performed 100 Hour Inspection using DA42 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Replaced radiator and coolant bottle shock mounts
- Replaced RH forward engine mount

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0439

Printed by EBis 3 (datcomedia.com)

LH PROPELLER S/N
061262

[redacted]

[redacted] N825TD

AIRCRAFT TECHNICAL LOGS

Section 4. PROPELLER

AUTHORISED RELEASE CERTIFICATE

Autorisierte Freigabebescheinigung

EASA FORM 1

EASA Formblatt 1

1. Approving Competent Authority / Country Zuständige Genehmigungsbehörde/Staat LUFTFAHRT – BUNDESAMT / Germany	2.
3. Form Tracking Number Lfd. Formularnummer	382/07
4. Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany	
5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein	20600923

6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten
1	MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	061262	"MANUFACTURED"

13. Remarks
Bemerkungen

New Propeller
Blades: 1: YA-28702, 2: YA-28703, 3: YA-28704
Year of construction: 2006, TSN: 00:00 hrs.
The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)

14. Certifies that the items identified above were manufactured in conformity to:
Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit:

- [x] approved design data and are in condition for safe operation
  genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind
- [ ] non-approved design data specified in block 13
  in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen

19. [ ] Part-145A.50 Release to Service
Freigabebescheinigung gem. Teil-145A.50

[ ] Other Regulation specified in block 13
Freigabebescheinigung gemäß anderer Feld 13 aufgeführter Vorschrift

Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.

Authorised Signature Unterschrift der berechtigten Person	16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer DE.21G.0008	20. Authorised Signature Unterschrift der berechtigten Person	21. Certificate/Approval Ref No. Bescheinigungs-/Genehmigungsnr.
Name Martin Albrecht / 6236	18. Date (d/m/y) 9. Feb. 07 Datum (T/M/J)	22. Name Name	23. Date (d/m/y) Datum (T/M/J)

1 - Issue 1
– Ausgabe 1

(*) Installer must cross-check eligibility with applicable technical data
(*) Der Verwender/einbauende Betrieb ist verpflichtet, die Verwendbarkeit anhand der geltenden technischen Unterlagen zu überprüfen.

ENTWICKLUNG GmbH
A-C-F/CF187-129
P19NE
061262
CF187-129
YA-28702
YA-28703
YA-28704

PROPELLER SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TOTAL TIME SINCE OVERHAUL HRS.	TOTAL TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES.
BROUGHT FORWARD →			Ø	Ø	LH PROPELLER INSTALLED NEW ON DA 42
NOV 14 2007			5.	0	HOURS BROUGHT FORWARD
6-24-08			207.	8	INSPECTED PROP FOR A 200 HOUR INSP
					+ NO DEFECTS NOTED
					I CERTIFY THAT THIS AIRFRAME / ENGINE / PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR / ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A&P 2779557
Nov 4, 08	TT	304.0			Annual Inspection completed IAW FAR
	TSN	304.0			43 app D, AD's researched thru 08-22,
					07-26-13 D/N/A, by S/N & Date of mfg,
					Prop reinstalled with new seal following gearbox
					exchange. Ground Run ok
					I certify that this prop was inspected
					IAW an Annual and determined to be
					in an Airworthy condition
					Craig Bloomer
					AP 3912871 14 IA
April 14, 09			403.3		Annual Inspection c/w, Determined to
					be in an airworthy condition
					AP 3912871 14 IA
23, 09			503.2		Annual Inspection c/w, Determined to
					be in an Airworthy condition
					AP 3912871 14 IA
					CARRIED FORWARD
THIS PAGE					
FROM SUMMARY					
TOTAL MFG.					

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
S/N 42.AC098 →		DA Q 42
→		DA Q 42
Aug 13, 2010 602.6 Annual Inspection c/w IAW FAR 43 app D, AD's researched thru 10-26, Determined to be in an Airworthy Condition	Craig Bloomer AP 3912871 14 IA	
12/30/00 898.4 Removed + installed on RH engine N825TD	AP 3912871 14 IA	
Jan 7, 2011 TACH: 697.8 Annual Inspection c/w IAW FAR 43 app D, AD research thru 10-26 + Daily, Determined to be in an Airworthy Condition	AP 3912871 14 IA	
Aug 17, 2011 Annual Insp c/w IAW FAR 43 app D AD research thru 11-16 Determined to be in an Airworthy Condition	AP 3912871 14 IA	

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes Aircraft Services Inc.

REG. N825TD TYPE MTV-6-A-C-F TACH 898.4 Prop TT 898.4

C/W an Annual inspection IAW FAR 43 app D. AD's researched thru 12-04. I certify that this propeller has been inspected IAW an Annual inspection and determined to be in airworthy condition.

Signature _____ Date 3/23/2012

Paul Krystaszek A&P 3062365 IA

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TOTAL TIME SINCE OVERHAUL HRS.	TOTAL TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
BROUGHT FORWARD →							

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 998.6 TSN 998.6

C/W an Annual inspection IAW FAR 43 app D. and Diamond 1000 hour checklist. Removed spinner, inspected hub and mounting bolts. Serviced prop accumulator to pressure outlined in Diamond MM. AD's researched thru 12-14. I certify that this propeller has been inspected IAW an Annual inspection and Diamond 1000 hour inspection and determined to be in airworthy condition.

Signature Paul Krystaszek A&P 3062365 IA Date 8/14/2012

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1098.5 TTIS 1098.5

Complied with 100 hour inspection in accordance with FAR Part 43 Appendix D using Diamond Aircraft DA-42 AMM Rev.2 05-20-00 as a reference; Removed spinner and inspected prop hub and mounting bolts; Serviced propeller accumulator to 152 p.s.i; AD's reserched through 03/07/2013; I certify that this propeller has been inspected in accordance with a 100 hour insp-ection and found to be in an airworthy condition.----END----

Signature Brian Thoresen, A&P 3277997 Date March 7th, 2013

RIGHT PROPELLER, S/N 061262

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1198.7 PTT 1198.7

Complied with Annual inspection in acordance with FAR Part 43 Appendix D; Removed spinner, inspected hub and mounting bolts; Filled small crack in trailing edge of Blade #1 with epoxy resin I/A/W MT Propeller SL235, pages 10-12, dated September 5th, 2011; AD's researched through issue 2013-11; I certify that this propeller has been inspected in accordance with an annual inspection and determined to be in an airworthy condition;

Signature Art Boiteau, A&P 2863454 IA Date 6/19/2013

					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

RIGHT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1298.3 TSN 1298.3

C/W a 100 hour inspection IAW FAR Part 43, appendix D. AD's researched through 2/6/2014. I certify that this Propeller has been inspected IAW a 100 hour inspection, and determind to be in an Airworthy condition. END.

Signature Simon Crawford, A&P 3277003 Date 2/7/2014

N825TD, Diamond DA42, S/N 42AC098 Propeller 2
Date: **07-24-2014** Hobbs 0143.8 PTSN 1442.1 TTAF ~~1442.1~~ 1379.3
Checked AD's through Issue 2014-14-06 No new ADs noted,
I certify that this propeller and Accessories has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

N825TD, Diamond DA42, S/N 42AC098 Propeller 2
Date: **05-29-2015** Hobbs 0276.4 PTSN 1574.7 TTAF 1511.9
Checked AD's through Issue 2015-11-04 No new ADs noted,
I certify that this propeller and Accessories has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey

Propeller S/N: 061262 has been overhauled on this date: 9/7/2018 I/A/W/ manual(s):

E-220 , E-880, E-1290

.

Under W/O #: 17419. The Mechanic making THE INSTALLATION MUST C/W 14 cfr Part 43.9.

Texas Aircraft Propeller & Accessories
1711 County Road 130, Pearland TX 77581

FAA CRS# 7RDR559C

Signed:

Propeller S/N: 061262 has been overhauled on this date: 9/7/2018 I/A/W/ manual(s):

E-220 , E-880, E-1290

.

Under W/O #: 17419. The Mechanic making THE INSTALLATION MUST C/W 14 cfr Part 43.9.

Texas Aircraft Propeller & Accessories
1711 County Road 130, Pearland TX 77581

FAA CRS# 7RDR559C

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

Signed: _____

PROPELLER SERVICE AND

DATE	TIME HRS.					
BROUGHT FORWARD						

PRIMARY FLIGHT MAINTENANCE
KEEPS YOU AIRBORNE

N-825TD
LH Propeller

Date: 08-01-20 Hobbs:368.3 PTOH: 0.00 ACFTT: 1563.6
Completed Annual Inspection and service IAW DMM. Removed LH Propeller due to crack and delamination in the blades. Sent to MT for OH. See WO. Installed OH Propeller IAW DMM and MT Installation instructions. Ops/Run/Leak check Good. Propeller has been serviced and inspected IAW MTMM and DMM and is airworthy and released for service with respect to details above.
Signature: Stephen Vyvjala A&P 3833741IA
Date: 7-1-20
----------Nothing Follows----------

PROP MODEL (L):
MTV-6-A-C-F/CF187-129
PROP S/N (L): 061262
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
PROP TT (L): 1551.9
TSPOH (L): 36.9
HOBBS: 410.1

Left Prop Entries
- Performed 100 Hour Inspection using DA42 AMM as a guide

I certify this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:
David Seastead, License: AP3492477 IA

Work Order: 0439
Printed by EBis 3 (datcomedia.com)

					CARRIED FORWARD
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	LICENSE NUMBER

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

AIRCRAFT TECHNICAL LOGS

Section 4. PROPELLER

1. Approving Competent Authority / Country
Zuständige Genehmigungsbehörde/Staat

LUFTFAHRT – BUNDESAMT / Germany

2.

AUTHORISED RELEASE CERTIFICATE

Autorisierte Freigabebescheinigung

EASA FORM 1

EASA Formblatt 1

3. Form Tracking Number
Lfd. Formularnummer

377/07

4. Approved Organisation Name and Address:
Name und Anschrift des genehmigten Betriebes

MT-Propeller Entwicklung GmbH
Airport Straubing – Wallmühle, D-94348 Atting, Germany

5. Work Order/Contract/Invoice
Arbeitsauftrag/Vertrag/Lieferschein

20600923

6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten
1	MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	061256	"MANUFACTURED"

13. Remarks
Bemerkungen

New Propeller
Blades: 1: YA-28714, 2: YA-28715, 3: YA-28716
Year of construction: 2006, TSN: 00:00 hrs.
The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)

14. Certifies that the items identified above were manufactured in conformity to:
Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit:

☒ approved design data and are in condition for safe operation
genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind

☐ non-approved design data specified in block 13
in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen

19. ☐ Part-145A.50 Release to Service
Freigabebescheinigung gem. Teil-145A.50

☐ Other Regulation specified in block 13
Freigabebescheinigung gemäß anderer Feld 13 aufgeführter Vorschrift

Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.

15. Authorised Signature
Unterschrift der berechtigten Person

Paisdzior

16. Approval/Authorisation Number
Genehmigungs-/Zulassungsnummer

DE.21G.0008

17. Name
Name

Gregor Paisdzior / 6235

18. Date (d/m/y)
Datum (T/M/J)

8. Feb. 07

20. Authorised Signature
Unterschrift der berechtigten Person

21. Certificate/Approval Ref No.
Bescheinigungs-/Genehmigungsnr.

22. Name
Name

23. Date (d/m/y)
Datum (T/M/J)

(*) Installer must cross-check eligibility with applicable technical data

(*) Der Verwender/einbauende Betrieb ist verpflichtet, die Verwendbarkeit anhand der geltenden technischen Unterlagen zu überprüfen.

EASA Form 1 - Issue 1
EASA Formblatt 1 – Ausgabe 1

ENTWICKLUNG GmbH
A-C-F/CF187-129
PIANE
061256
CF187-129
YA-28714
YA-28715
YA-28716

AUTHORIZED RELEAS
USER/INSTAL

Note:

1. It is important to understand that the existe the part/component/assembly.
2. Where the user/installer works in accordar Airworthiness Authority specified in block accepts parts/components/assemblies fror
3. Statements 14 and 19 do not constitute ins an installation certification issued in accord flown.

FREIGABEBESCHEI
VERANTWORTUNG DES VE

Anmerkungen:

1. Es wird ausdrücklich darauf hingewiesen, Einbau von Teilen/Komponenten/Baugrup
2. Wenn der Verwender/einbauende Betrieb Feld 1 genannten Luftfahrtbehörde arbeite Teile/Komponenten/Baugruppen, die von
3. Die Erklärungen in Feld 14 und 19 stellen Instandhaltungsaufzeichnungen des betro ausgestellten Freigabevermerk für den Ei Luftfahrzeug den Flugbetrieb aufnehmen

PROPELLER LOG

1.	Make	MT-PROPELLER ENTWICKLUNG GmbH
2.	Model	MTV-6-A-C-F/CF187-129
3.	Specification No.	P19NE
4.	Date of Manufacture	
5.	Hub Serial No.	061256
6.	Blades	
	(a) Design No.	CF187-129
	(b) Blade Serial Nos.	
	(i)	YA-28714
	(ii)	YA-28715
	(iii)	YA-28716
	(iv)	
	(v)	
	(c) Pitch Setting	
	(i) Basic	
	(ii) High	
	(iii) Low	
	(iv) Reverse	

PROPELLER SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TOTAL TIME SINCE OVERHAUL HRS.	TOTAL TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES.
BROUGHT FORWARD →			0	0	RH PROPELLER INSTALLED NEW ON DA 42
			5.	0	HOURS BROUGHT FORWARD
NOV 14 2007			207	8	INSPECTED PROP FOR A 200HR INSP.
6-24 2008					& NO DEFFECTS NOTED
					I CERTIFY THAT THIS ~~AIRFRAME / ENGINE / PROP~~ HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR / ~~ANNUAL~~ INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
					AP2796559
Nov 4, 08	TT 3040				Annual Inspection C/W FAW FAR 43 appD, AD's
	TSN 3040				researched thru 08-22, 07-26-13 S/N/A by
					s/n or date of MFG, Prop reinstalled with new
					Seal following gearbox exchange. Ground Run OK
					I certify that this Prop was inspected FAW
					an Annual and determined to be in an
					Airworthy condition
					Craig Bloomer
					AP3912871147A
April 14, 07	403.3				Annual Inspection C/W, Determined to be
					in an airworthy condition
					AP3912871147A
10/23/09	503.2				Annual Inspection C/W, Determined to be
					IAW an Airworthy condition
					AP3912871147A
July 13, 2010					This propeller was removed from N825TD
Prop TT	602.6				and installed on N176TS Left Engine. Ground
N825 Tach	602.6				run and leak check OK.
N176 Tach	1061.2				
					AP3062365
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
S/N 42.AC098 →		DA Q42
→		DA Q42
8/13/2010	This Prop removed from N176TS	
N176TS Tach 1088.4	Reinstalled on N825TD	
N825TD Tach 602.6	AD's reconvened thru 10-16	
Prop TSN: 679.8	Installed with new O ring + Nuts	
	FAW DA42 M/M, Ground Run OK	
	I certify that this Prop was inspected FAW an Annual	
	Inspection and was determined to be in an	
	Airworthy condition	
		CRAIG BLOOMER
		AP3912871147A
12/30/10 695.4	Removed + installed on 4th eng	
	N825TD	
		AP3912871147
Jan 7, 2011	Annual Inspection C/W FAW FAR 43 appD	
TACH: 697.8	AD research thru 10-26 + Daily	
	Determined to be in an Airworthy condition	
		AP3912871147A
Aug 17, 2011	Annual Insp OK, AD research thru 11-16	
TT 798.9	Determined to be in an Airworthy	
	condition	
		AP3912871147A

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

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

LEFT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 898.4 Prop TT 925.6
C/W an Annual inspection IAW FAR 43 app D. AD's researched thru 12-04. I certify that this propeller has been inspected IAW an Annual inspection and determined to be in airworthy condition.

Signature _____ Date 3/23/2012
Paul Krystaszek A&P 3062365 IA

LEFT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 998.6 TSN 1025.8
C/W an Annual inspection IAW FAR 43 app D. and Diamond 1000 hour checklist. Removed spinner, inspected hub and mounting bolts. Serviced prop accumulator to pressure outlined in Diamond MM. AD's researched thru 12-14. I certify that this propeller has been inspected IAW an Annual inspection and Diamond 1000 hour inspection and determined to be in airworthy condition.

Signature _____ Date 8/14/2012
Paul Krystaszek A&P 3062365 IA

Left

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1098.5 TSN 1125.7
C/W a 100 hour inspection IAW FAR 43 appx. D. Removed spinner, inspected hub and mounting bolts. Filled small nic on blade 3 with epoxy resin, sanded, and painted. AD research thru 2013-02. I certify that this propeller has been inspected IAW a 100 hour checklist and determined to be in airworthy condition.

Signature _____ Date 3/7/2013
Jeremy R. Hughes A&P 3593175

LEFT PROPELLER, S/N 061256

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1198.7 PTT 1225.9
Complied with Annual inspection in accordance with FAR Part 43 Appendix D; Removed spinner, inspected hub and mounting bolts; Filled small crack in trailing edge of blade #1 with epoxy resin I/A/W MT Propeller SL235, pages 10-12, dated September 5th, 2011; AD's researched through issue 2013-11; I certify that this propeller has been inspected in accordance with an annual inspection and determined to be in an airworthy condition;

Signature _____ Date 6/19/2013
Art Boiteau, A&P 2863454 IA

TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMA
TOTAL SINCE MF

MAINTENANCE RECORD

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

LEFT

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1298.3 TSN 1325.5
C/W a 100 hour inspection IAW FAR Part 43, appendix D. AD's researched through 2/6/2014. I certify that this Propeller has been inspected IAW a 100 hour inspection, and determind to be in an Airworthy condition. END.

Signature _____ Date 2/7/2014
Simon Crawford, A&P 3277003

N825TD, Diamond DA42, S/N 42AC098 Propeller 1
Date: **07-24-2014** Hobbs 0143.8 PTSN 1442.1 TTAF ~~1442.1~~ 1379.3
Checked AD's through Issue 2014-14-06 No new ADs noted,
I certify that this propeller and Accessories has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey___

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1407.1 TSO 1434.3
Removed Propeller for overhaul by MT Propeller.---END---

Signature _____ Date 11/25/2014
Simon Crawford, A&P 3277003

MT-Propeller USA, Inc. 1180 Airport Terminal Drive, DeLand, FL 32724
FAA Approved Repair Station Q4MR908Y
Phone: (386) 736-7762 Fax: (386) 736-7696 E-mail: info@mt-propellerusa.com

Propeller Model: MTV-6-A-C-F/CF187-129 **S/N: 061256**
Propeller TSN: 1434.3 hrs. **Propeller TSO: 0.0 hrs.**
Overhauled propeller in accordance with W/O: 14-473MT and overhaul manual E-220.
Installed 3 OHC exchange blades with 3 new leading edges installed.
Blade S/N: 1) XA-24966 2) XA-24967 3) XA-24968
Year of manufacture: 2006
I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, December 12, 2014.
Juergen Zahner, Chief Inspector Q4MR908Y _____

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN HRS.	TIME RUN MIN.	TOTAL TIME SINCE OVERHAUL HRS.	TOTAL TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS
BROUGHT FORWARD					

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLU

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

REG. N825TD TYPE MTV-6-A-C-F TACH 1407.1 TSO 0

Reinstalled Prop after overhaul. Torqued and installed new blade bulkheads, and reinstalled spinner using new hardware. Perfromed and ops check, ops check good.---END---

Signature _____ Simon Crawford, A&P 3277003 Date 12/24/2014

N825TD, Diamond DA42, S/N 42AC098 Propeller 1
Date: **05-29-2015** Hobbs 0276.4 PTSN 1574.7 TTAF 1511.9
Checked AD's through Issue 2015-11-04 No new ADs noted,
I certify that this propeller and Accessories has been inspected IAW an Annual inspection IAW FAR 43 Apex D and has been determined to be in an airworthy condition at this time.

A&P 3496744 IA John Swasey___

PRIMARY FLIGHT MAINTENANCE
KEEPS YOU AIRBORNE.

N-825TD
RH Propeller

Date: 08-01-20 Hobbs:368.3 PTSN: 1563.6 ACFTT: 1563.6
Completed Annual Inspection and service IAW DMM. Propeller inspected for security and proper operation. No Faults Found. Ops/Run Check Good. Propeller has been maintenanced IAW DMM and is airworthy and released for service with respect to details above.
Signature:_____Stephen Vyvjala A&P 3833741IA
Date:_____
----------Nothing Follows----------

PROP MODEL (R):
MTV-6-A-C-F/CF187-129
PROP S/N (R): 061256
REG. NO: N825TD
WORK ORDER: 0439

Premier Aircraft Service

Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/11/2022
A/C TSN: 1551.9
PROP TT (R): 1551.9
TSPOH (R): 144.8
HOBBS: 410.1

Right Prop Entries

- Performed 100 Hour Inspection using DA42 AMM as a guide

I certify this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/11/2022 SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0439

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TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAXIMUM HOURS BETWEEN OVERHAULS OR LIFE

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

PrimePlanes

REG. N825TD TYPE MTV-6-A-C-F TACH 1407.1 TSO 1434.3

Removed Propeller for overhaul by MT Propeller.---END---

Signature _____ Date 11/25/2014

Simon Crawford, A&P 3277003

MT-Propeller USA, Inc. 1180 Airport Terminal Drive, DeLand, FL 32724
FAA Approved Repair Station Q4MR908Y
Phone: (386) 736-7762 Fax: (386) 736-7696 E-mail: info@mt-propellerusa.com

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Juergen Zahner, Chief Inspector Q4MR908Y _____

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

Kelly Manufacturing Company

555 S. Topeka - Wichita, Kansas 67202
(316) 265-6868 - Fax: (316) 265-6687
www.kellymfg.com

PACKING LIST

Invoice Number: 0162600-IN
Invoice Date: 6/4/2021
KMC Order #:
Customer Number: IR7551

Sold To:
IRWIN INTERNATIONAL INC
PO BOX 4000
CORONA, CA 92878

Ship To:
PREMIER A/C SALES INC
3804 FALCON WAY
HANGAR 18S
FORT WORTH, TX 76106

Ph: (951) 372-9555
Confirm To:
CHRISTOPHER

Customer P.O.	Ship VIA	Ship Zone	Terms
D73041		4	NET 30 DAYS

Part Number	Unit	Ordered	Shipped	Back Ordered
102-0403-11-03	EACH	1	1	0

RCA2610-3-G ELEC DIGITAL HORIZ
921F302
8 degree tilt per customer request
C.O.C. Attached
New Sale

8130-3 ENCLOSED

MOUNTING HARDWARE AND MATING CONNECTOR INCLUDED

UPS ACCT: #622R41
chicago

Twin Coves Marina
4500 Murrell Park Rd , Flower Mound, TX
75022
(972) 724-1804

Receipt: 2025:12:10:11:40:49
Date: 12/10/2025 11:40 AM
Cashier: Penczynzyn, Jenifer
Customer: Wise, Chris

Invoice TCM13940 6/1/2025	$5,976.65
Invoice TCM13941 6/1/2025	$4,107.92
Invoice TCM13942 6/1/2025	$1,174.21
Total:	$11,258.78
Payments:	
$11,258.78 Check	