

AIRCRAFT TECHNICAL LOGS

 **AirVant**.com

AIRCRAFT SALES & BROKERAGE

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N139PS
2. Manufacturer's Designation DA 40
3. Manufacturer's Serial Number 40.518
4. Type Approval or Specification Number A-224 / A47CE
5. Date of Manufacture 2005
6. Aircraft Inspection Cycle

ENGINEERING RECORD


Diamond

N139PS



Diamond

FOR	N	30	60	E	120	150
STEER	360	030	059	089	119	150
FOR	S	210	240	W	300	330
STEER	180	210	239	268	299	331


Diamond

DA
Q 13



Diamond

DA
Q 65

Albert Pepp



Diamond

DA
Q 13

INSPECTOR



Diamond

DA
Q 13

178


Diamond

DA
Q 13

INSPECTOR

MAY 16 2005	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT	→	NR	DA Q 13
MAY 16 2005			2.5			→	NR	CR54365
MAY 17 2005			2.5		AIRCRAFT SERVICEABLE FOR FLIGHT	→	NR	DA Q 13
MAY 17 2005			3.7			→	NR	CR54363
MAY 17 2005			4.1			→	NR	CR54363
MAY 20 2005			4.1		ALL DISCREPANCIES RECTIFIED	→	NR	DA Q 13


Diamond

DA
Q 13

INSPECTOR

Diamond

NE-MIDO-46



CARRIED FORWARD

2

A. GUE, P. COLANGELO,
L. F. S. MARTINS

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		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
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD								
OCT 22, 2005	TACH	550			Complied with 50 hr insp IAW SEC 05-20. All applicable SD+AD Complied	Diamond Aircraft DA40 MAINT MANUAL		AP42460
						With Performed Checks Closed A/C		44811A
08/11/06	TACH	50.6			INSTALLED NEW CONCOIRDE	R624-15M BATT. OPS CK OK		AP254424

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: 131929-51A
REG. NO: 139PS
WORK ORDER:
896-10-2006



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/23/2006
A/C TSN: 177.3
ENG TT: 177.3
TACH: 177.3

Engine Entries

CHANGED OIL AND FILTER SERVICED WITH 8QTS 100 PLUS AND CH 48110-1 OPS AND LEAK CHECK GOOD CUT FILTER AND TOOK SAMPLE

THIS ENGINE WAS GROUND RUN AND LEAK CHECKED OK. APPROVED FOR RETURN TO SERVICE ON THIS DATE. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS

DATE: 10/23/2006

SIGNED:

Eddie Roberts, A&P: 580132660

Work Order: 896-10-2006

Printed by EBis 3 (datamedia.com)

Mobile Regional Maintenance, LLC

371 Flave Pierce Road
Mobile, AL 36608
251-607-1100

2 Mar 2007 N139PS Diamond DA-40 S/N 40.518 Hobbs:269.0 Tach: 209.7

External power relay has failed, diodes check was good. Removed right magneto and oil filter to gain access to relay box, replaced relay with new unit from Diamond Aircraft. Installed new Ch48110-1 oil filter. Installed magnet and set external timing to 25 degrees BTDC per engine data plate. Performed operational check of external power, performed leak check and performed magneto check and full power performance run with no discrepancies.

Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration's Regulations and is approved for return to service. Pertinent details of the repair are on file at this shop under work order No. 07-1188. Dated 27 Feb2007.

Signed Donald A. Ford AP 30151711A

For: Mobile Regional Maintenance, LLC

371 Flave Pierce Road Mobile, Alabama 36608

CARRIED FORWARD

Southern Avionics & Communications, Inc.

CRS HW4R427M

Mobile Downtown Airport
2495-A Michigan Avenue / Mobile, AL 36615

N# 139PS

WO# 82738

Date 11-20-06

Removed defective Garmin GEA71 Engine and Airframe adapter, P/N: 011-00831-00, S/N: 46702327 and installed overhauled GEA71 P/N: 011-00831-00, S/N: 46702907.

Installed and configured proper software as per Maintenance manual.

Ramp checked and verified proper operation.

No change to weight and balance.

John T. Daggett
Technician / HW4R427M

Samuel A. Ault
Inspector / HW4R427M

Mobile Regional Maintenance, LLC

371 Flave Pierce Road
Mobile, AL 36608
251-607-1100

5 April 2007 N139PS Diamond DA-40 S/N 40.518 AFTT:214.7 Hobbs: 276.6 ENGTT:214.7 PROPTT:214.7 GOVTT:214.7

This aircraft was inspected utilizing the Diamond Maintenance Checklist DA 40. All repairs were IAW Diamond DA 40 Maintenance Manual and Standard Practices. All lubrication required in Chapter 12-20 Servicing, were performed. C/W AD 2002-26-01 by visual inspection, next due April 2008. Installed two new Goodyear Flight Custom III, 15x6.00-6, 6 PR tires on both main wheels. Inspected ELT system in this aircraft according to the applicable aircraft and ELT manufacturers instructions and applicable FAA guidance of FAR 91.207 (d). replaced battery in remote switch. ELT battery due Mar 2011. I certify that this aircraft was inspected IAW an Annual Inspection and has been determined to be in Airworthy Condition.

Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration's Regulations and is approved for return to service. Pertinent details of the repair are on file at this shop under work order No. 07-1203. Dated 2 April 2007.

Signed Michael E. Stewart AP 3035155 IA

For: Mobile Regional Maintenance, LLC

371 Flave Pierce Road Mobile Alabama 36608

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		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.	SIGNATURE	LICENCE NUMBER																												
	HRS.	MIN.	HRS.	MIN.																															
<div><div><p>BROUGHT FORWARD</p><p>MAKE: Diamond MODEL: DA40 S/N: 40.518 REG. NO: 139PS WORK ORDER: 1607-11-2007</p><p>Airframe Entries C/W S/B 0738 REV B BY INSPECTION OF TVS COMPONENTS. NO DEFECTS NOTED.</p><p>This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date, THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.</p><p>DATE: 11/12/2007 SIGNED: Work Order: 1607-11-2007 Adrian Arias, A&P: 2761974 Printed by EBis 3 (datcomedia.com)</p></div><div><p>Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393</p><p>DATE: 11/12/2007 A/C TSN: 329.4 TACH: 329.4</p></div><div><p>Mobile Regional Maintenance, LLC 371 Flave Pierce Road Mobile, AL 36608 251-607-1100</p><p>15 May 2008 N139PS Diamond DA-40 S/N 40.518 AFTT:418.1 Hobbs: 515.0 ENGTT:418.1 PROPTT:418.1 GOVTT:418.1 This aircraft was inspected utilizing the Diamond Maintenance Checklist DA 40. All repairs were IAW Diamond DA 40 Maintenance Manual and Standard Practices. All lubrication required in Chapter 12-20 Servicing, were performed. C/W AD 2002-26-01 by visual inspection, next due May 2009. C/W AD 2007-17-06 PER Diamond MSB 40-046/1, no cracks found. Next inspection due at 618.1 Tach/May 2009. C/W AD 2008-08-14, plug was not loose. Inspection next due at 468.1 Tach. Installed 4 new brake linings. Inspected ELT system in this aircraft according to the applicable aircraft and ELT manufacturers instructions and applicable FAA guidance of FAR 91.207 (d). ELT battery due Mar 2011. I certify that this aircraft was inspected IAW an Annual Inspection and has been determined to be in Airworthy Condition.</p><p>Maintenance Release The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration's Regulations and is approved for return to service. Pertinent details of the repair are on file at this shop under work order No. 08-1422. Dated 5 May 2008.</p><p>Signed <u>Donald A. Ford</u> AP 3015171 IA For: Mobile Regional Maintenance, LLC 371 Flave Pierce Road Mobile Alabama 36608</p></div></div>																																			
<div><p>Southern Avionics & Communications, Inc. CRS HW4R427M Mobile Downtown Airport 2495-A Michigan Avenue / Mobile, AL 36615</p><p>N# 139PS WO# 85162 Date 01/09/08</p><p>Removed Garmin GDL-69A Satellite Weather/XM Receiver P/N 011-00987-00 S/N 47754979 and installed replacement GDL-69A P/N 011-00987-00 S/N 47759341. Check out and configuration per Garmin Installation Manual P/N 190-00355-02, Rev E, dated May 2006.</p><p>D. Joiner Technician / HW4R427M</p><p><i>[Signature]</i> Inspector / HW4R427M</p></div> <div><p>Southern Avionics & Communications, Inc. CRS HW4R427M Mobile Downtown Airport 2495-A Michigan Avenue / Mobile, AL 36615</p><p>N# N139PS WO# 86004 Date 5/28/08</p><table><tr><td>Altimeter #1</td><td>GDC-74A</td><td>p/n</td><td>011-00882-00</td><td>s/n</td><td>47802444</td><td>50,000</td><td>ft</td></tr><tr><td>Altimeter #2</td><td>UNITED</td><td>p/n</td><td>5934PD-3</td><td>s/n</td><td>446179</td><td>20,000</td><td>ft</td></tr></table><p>The listed altimeters have been tested and found to comply with FAR 43, App E. The static system was tested as required by FAR 91.411 and found to comply with FAR 43, App E. The listed Transponders and transponder automatic altitude reporting system have been tested as required by FAR 91.411/413 and found to comply with FAR 43, App E & F.</p><table><tr><td>Transponder #1</td><td>GTX-33</td><td>p/n</td><td>011-00779-00</td><td>s/n</td><td>84701099</td></tr><tr><td>Transponder #2</td><td></td><td>p/n</td><td></td><td>s/n</td><td></td></tr></table><p>Clyde Franklin Technician / HW4R427M</p><p><i>[Signature]</i> Inspector / HW4R427M</p></div>								Altimeter #1	GDC-74A	p/n	011-00882-00	s/n	47802444	50,000	ft	Altimeter #2	UNITED	p/n	5934PD-3	s/n	446179	20,000	ft	Transponder #1	GTX-33	p/n	011-00779-00	s/n	84701099	Transponder #2		p/n		s/n	
Altimeter #1	GDC-74A	p/n	011-00882-00	s/n	47802444	50,000	ft																												
Altimeter #2	UNITED	p/n	5934PD-3	s/n	446179	20,000	ft																												
Transponder #1	GTX-33	p/n	011-00779-00	s/n	84701099																														
Transponder #2		p/n		s/n																															
CARRIED FORWARD																																			

CARRIED FORWARD

AIR TIME AND

ENGINEERING RECORD

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
3/1/10			Hobbs 649.5		Replaced terminal at alternator output post. for A. Rich 262536133 RD
3/18/10					Gmu 44 R/R See w/o from FAA R.S. V6TR 097X


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

PrimePlanes

REG. N139PS TYPE DA40 TACH 538.2 TT 538.2

Annual inspection completed IAW FAR43 app D, AD's researched thru 10-10, 09-10-04 NLG D/N/A by part # (-01), 05-01-19 D/N/A by version 3.06, ELT batteries R/R, p/n U10014, and tested IAW Ameriking inst. for 406 version IAW FAR 91.207d, batteries due **R/R May 2015**, Fuel pump R/R, p/n 5100-00-9, s/n 5937A s/n off. 5533, inserted correct POH supplement and G1000 ref, guide for vs 22 software, serviced wheel bearings and lube points,

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

Signature  Date 5/7/2010

Craig Bloomer AP391787114IA

West Bend Air Inc. 330 Earl Stier Drive West Bend, WI. 53095 262-334-5603
Date: 5-28-2010 Aircraft: N139PS A/C Tach (digital): 550.4 Aircraft Logbook Entry
Installed new aircraft battery Concorde P/N RG-2415M S/N 40367410. Tested charging system and found satisfactory.
Signed: [Signature] ----- END ----- Certificate #: A1P38790157

Signed:

State	Diamond	Cushtel	M-740-138	Serial	46,519	Work Order	50054
No.	Subnet	Nr	QTY	Ech	720.1		
TODAY							
On this date:							
Removed and replaced #1, #2, #3, and #4 exhaust nozzles with new. Shipped exhaust system to Dawley Aviation for further repairs to nozzle and for RL.							
Installed new/repaired exhaust system with new sniffer support bracket, gaskets and hardware as necessary. Rechecked engine and ground checked OK. All work done - saw the Diamond D-40 - 180 MSF and Work Instruction WR - MSG - 40 - P44.							
By Tech / Pilot							
for Griffin Aircraft Services							
Hawthorne Blvd., Dayton, Ohio 45424 Tel. (513) 233-1111 Fax (513) 233-1111							

CARRIED

INSPECTION, REPAIRS & REPLACEMENT		SIGNATURE	LICENCE NUMBER
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.			
May 5, 2011 TT: 626.0	Annual Inspection c/w TAW FAR 43 app D, AD research thru 11-06, ELT tested TAW FAR 91.207d, Bat dec R/R: Oct 2016, c/w AD 10-25-01, Installed PAX door brkt + POTT Supplement TAW MSB 40-070 c/w MSB 40-087 by inspection of Emergency release pin c/w MSB 40-058 by rework of Alternator resistor R/R Left + Right main tires, repaired LH wheel fairing, Replaced Rudder cables as per ch 4, set tension in ch 27,		
I certify that this Aircraft was inspected TAW FAR 43 app D Annual Inspection and was determined to be in an airworthy condition.		<i>[Signature]</i>	AP391287114Z
I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED: THE ALTIMETER: PILOTS S/N <u>446139</u> COPILOTS S/N <u>N/A</u> , ADC S/N <u>47802444</u> WAS/WERE TESTED TO <u>20</u> K FT I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO COMPLY. XPDR # 1 M/N <u>GTX 33</u> S/N <u>84701099</u> XPDR # 2 M/N <u>N/A</u> S/N <u>N/A</u>			
SIGNATURE <i>[Signature]</i>		DATE <u>5/3/11</u>	
TOMLINSON AVIONICS OF FLORIDA, INC. 521 DANLEY DR., FT. MYERS, FL. 33907 FAA CRS # V6TR097X			

Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)
207 Danley Drive
Fort Myers, Florida 33907
239-936-3666 www.switlikaviation.com



Reg. No.	S/N.	Date	Hobbs	T.T.	S.M.OH.	Page
N139PS	DA 40-518	5/23/2012	849.1	691.9		

Inspected complete aircraft per Diamond DA 40 AMM, Sect. 05-28-50. Inspected drain holes per Sect. 05-25. Checked all control push rods and linkage. Cleaned all fuel filters and screens. Serviced and charged battery. Repacked all wheel bearings and inspected brake pads. Lubed nose gear and airframe. Serviced tire pressures. Checked light operation. Inspected Emergency back up battery and checked voltage. Inspected ELT battery and operational checked per FAR 91-207(d). Battery replacement due 5/2015. Checked AD compliance thru BW 12-10. I have inspected this aircraft in accordance with an annual inspection and have found it to be in airworthy condition.

Edward Switlik
2197076JA

AIR TIME AND

ENGINEERING RECORD

7

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					<p>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.</p> <p>I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED: THE ALTIMETER: PILOTS S/N <u>446179</u> COPILOTS S/N <u>N/A</u> ADC S/N <u>47802444</u> WAS/WERE TESTED TO <u>20</u> K FT</p> <p>I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO COMPLY. XPDR #1 M/N <u>GT233</u> S/N <u>84701099</u> XPDR #2 M/N <u>N/A</u> S/N <u>N/A</u></p> <p>SIGNATURE <u>[Signature]</u> DATE <u>5/16/13</u></p> <p>TOMLINSON AVIONICS OF FLORIDA, INC. 521 DANLEY DR., FT. MYERS, FL. 33907 FAA CRS # V6TR097X</p>
5/20/2013					<p>Inspected Complete Aircraft per Diamond DA 40 AM sect. 05-28-50. Inspected drain holes per section 05-25. checked all control push rods & Linkage. cleaned all fuel filters & screens. serviced Aircraft battery. Inspected Emergency back up battery and checked voltage. Inspected ELT per FAR 91.207(d) battery replacement due 5/2015. Repacked wheel bearings. Replaced all brake linings 066-14100. Replaced NOSE wheel tire Flight Special II 5.005 6 P.R. Tire. Adjusted NOSE wheel Fork pivot tension. Remote battery for ELT ops checked replacement due 5/2015. cleaned JRAir filter element. checked AD Compliance thru BW 2013-09.</p> <p>I certify that this Aircraft has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Frank Kurtz 5/20/2013</p>
Hobbs	926.0				
A/C TT	758.40				
					CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
<p>5/12/2014 A/C TT 806.3 Hobbs 980.0</p> <p>Inspected complete Aircraft per Diamond DA 40 AMM sect. 05-28-50. Inspected drain holes per section 05-25. checked all controls push Rods & Linkage. cleaned all fuel filters & screens. serviced Aircraft battery. Inspected Emergency back up battery and checked voltage. Inspected ELT per FAR 91.207(d) battery replacement due 5/2015, Emergency 36V Lithium battery replacement due Oct 2016. Repacked wheel bearings. Inspected brake linings. Replaced main tires Flight special II 15X6.00 6P.R. Tires. Adjusted NOSE wheel Fork pivot tension. cleaned JRAir filter element. Checked AD Compliance thru BW 2014-09.</p>		
<p>I certify that this Aircraft has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Frank Kurtz 5/12/2014</p>		

MAINTENANCE RECORD		Aircraft Logbook Entry	
Date: 8-6-2014	Aircraft: N139PS	A/C Tach(digital) : 819.0	A/C Hobbs: 994.5
Removed aircraft battery Concorde RG24-15M S/N 40367410. Installed new aircraft battery Concorde RG24-15M S/N 40672811.			
---END---			
Signed: <u>[Signature]</u>	Certificate #: <u>AIP 387901572</u>		
West Bend Air Inc.		330 Earl Stier Drive	
www.wbair.net		West Bend, WI. 53095	
		Phone: 262-334-5603	
		Fax: 262-334-5662	

ALTIMETER SCALE CORRECTIONS			
Altimeter Model <u>60074</u>		SN <u>47802444</u>	
Altimeter Reads	Observed Reading	Altimeter Reads	Observed Reading
-1000	0	12000	-10
0	-10	14000	-20
500	-10	16000	-30
1000	0	18000	-30
1500	0	20000	-30
2000	0	22000	-30
3000	0	25000	
4000	0	30000	
6000	-10	35000	
8000	-10	40000	
10000	-10	45000	
		50000	

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

I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED: THE ALTIMETER: PILOTS S/N 446179 COPILOTS S/N N/A ADC S/N 47802444 WAS/WERE TESTED TO 20 K FT

I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO COMPLY. XPDR #1 M/N GT233 S/N 84701099 XPDR #2 M/N N/A S/N N/A

SIGNATURE [Signature] DATE 5/15/15

TOMLINSON AVIONICS OF FLORIDA, INC.
521 DANLEY DR., FT. MYERS, FL. 33907
FAA CRS # V6TR097X

SANFORD AIRCRAFT, LLC



Aircraft- N139PS

Date- November 23, 2016

Log- Aircraft

Tach- 936.1

Removed right main wheel and replaced tube and tire with new parts. Serviced both mains to the proper air pressure IAW the aircrafts POH.

A handwritten signature in black ink, reading "Daniel L. Rembach". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Daniel L. Rembach A&P 308767165

AIR TIME AND

ERING RECORD

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DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
5/15/15					COMPLIED WITH AN ANNUAL INSPECTION. SERVICED
HOBBS:	1042	7			AIRCRAFT. BAT. CHECKED LIGHTS. INSPECTED DRAIN HOLES
A.T.T.	858	4			PER SECTION 05-25 OF DIAMOND DA40 MM. INSPECTED
					ELT PER FAR 91.207 d. REPLACED ELT BAT. ELT EAT
					DUE 5/2020. INSPECTED EMERGENCY BACK-UP BATTERY
					AND CHECKED VOLTAGE. LUBED FLT. CONTROLS, CABLES
					AND PULLEYS. LUBED GEAR. SERVICED WHEELS AND
					BRAKES. CHECKED AD COMPLIANCE THRU 2015-09.
					I certify that this AIRCRAFT has been
					inspected in accordance with AN ANNUAL
					inspection and was determined to be in
					airworthy condition.
					ALBERT A. ANGOLIAN AP 28604AIA

Cincinnati Avionics 2001 Sportys Drive Clermont County Airport Batavia, OH 45103 VYTR380B
LOG ID# 2742 08-June-2016 WO# 8755
N139PS S/N 40.518 DIAMOND DA 40 Pg 1/1

Model: KS 271C Part#: 065-00179-0300 Serial#: 10424
ACTION: When the Autopilot was first tested it would command right and not left. Second time it was tested it would go right and left and the servo was very noisy. Found the roll servo and removed it from the aircraft. Inspected the servo and found that it had a bunch of carbon residue in it and the motor had a number of spots that it would bind. Also determined that the servo was in need of the tach generator mod. Elected to get and exchange servo. An exchange servo was ordered, received and installed in the aircraft. Operational check of the system was performed with no discrepancies noted.

[Signature]
VYTR380B For Cincinnati Avionics

N139PS airframe
07-12-17 Tach 974.2 & TT hobbs 1179.1
Annual inspection completed on this date IAW FAR 43 app. D. Wings, fuselage, and tail given a detailed inspection. Flaps, hinges, and linkages inspected and lubed. Controls, push rods, cables and pulleys inspected and lubed. Inspected drain holes for obstructions. Surfaces inspected and check for delaminating. Lights, stall and pitot heat checked. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Doors, windows, and seals inspected. Interior, upholstery, and panel inspected. Electrical and plumbing inspected. ELT inspected IAW FAR 91.207 par. d, ops check good. Battery due 05-2020. AD's checked thru 2017-12. AD 15-19-07 dated 11-03-15, fuel injection lines and clamps, C/W by inspection, no defects noted. Due next at 1074.2 tach. Removed and replaced left flap outboard bonding strap. Cleaned and painted steps. Removed and replaced right wing walk, P/N D41-5300-00-71_3. Removed and replaced emergency back up battery pack, P/N D41-2560-93-00, ops check good. Battery pack expires Sep 2026. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7572
Signed *[Signature]* A&P No. 30493851A

Tail N139PS Date 01/07/2016 Hours 1086.7
REPLACED NOSE TUBE & TIRE of NEW
GOOD YEAR FLIGHT SPECIAL II 5.00-5.6PLY
BOTH MAIN TIRES ALSO SERVICED @
THIS TIME. *[Signature]* Humberto Talavera 2777707 A&P
Switlik Aviation Maintenance Inc Fort Myers FL 239-936-3666



Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)
207 Danley Drive
Fort Myers, Florida 33907
239-936-3666 www.switlikaviation.com

Reg. No.	S./N.	Date	Hobbs	T.T.	S.M.OH.	Page
N139PS	40.518	5/20/2016	1100.3	905.5		

Inspected complete aircraft per Diamond DA 40 AMM, Sect. 05-28-50. Inspected drain holes per Sect. 05-25. Checked all control push rods, cables and pulleys. Cleaned all fuel filters and screens. Repacked all wheel bearings and inspected brake pads. Lubed landing gear and airframe. Serviced tire pressures. Serviced and charged battery. Lubed fuel cap seals and slip rings. Checked light operation. Inspected ELT. Operational checked per FAR 91-207(d), battery replacement due 5/2020. Inspected emergency backup battery. 36 VDC. Battery due replacement 10-2016. Checked AD compliance thru BW16-10. I have inspected this aircraft in accordance with an Annual inspection and have found it to be in airworthy condition.

[Signature]
Edward Switlik
IA2197076



Aircraft- N139PS
Date- October 30, 2018
Log- Aircraft
Tach- 1023.4

This aircraft was inspected IAW FAR 43 Appendix D while referencing Diamond checklist. Installed new ELT unit Kannad integra AF and test per FAR 91.207 par d normal. Replaced NLG arm with new part from Diamond P/N D44-3223-30-00_2 which terminates A.D. 2009-10-04. Replaced both main brake linings P/N 066-14100. Replaced left main tire with new tube and tire. Replaced both wing jack pads with new parts.

A.D.'s checked through Content Revision date of 10/30/2018.

I certify that this aircraft has been inspected IAW an Annual Inspection and is deemed airworthy this date.

[Signature]
Daniel L. Rembach A&P 308767165

Reg N#: N139PS Aircraft: DIAMOND DA 40 S/N: 40.518
Work Order: 195229

ALTIMETERS, ALTITUDE REPORTER, STATIC SYSTEM,
AND TRANSPONDER CERTIFIED THROUGH TESTING
AS REQUIRED BY FAR 91.411 AND FAR 91.413; RESULTS
FOUND TO COMPLY WITH FAR 43 APPENDIX E AND F.

ALTIMETERS TESTED TO 20,000 FEET
ALTITUDE ENCODER TESTED TO 20,000 FEET

Make: GARMIN Model: GTX 33 S/N: 84701099

SYSTEM TEST DATE: 09/18/2019

TESTED BY  FAA CERT# 4117846
Alex Hernandez



Thoroughbred Aviation Maintenance, Inc.

**6204 Paris Pike
Georgetown, KY 40324
FAA CRS # R81R199Y**

BROUGHT
FORWARD

6204 Paris Pike
Georgetown, KY 40324
FAA CRS # R81R199Y

LINE 5 AS REQUIRED FOR COMPLETE

Thomas A Ferguson 3020594 AP/IA



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

GLENN M. LAWLER

A&P 2151929 1A

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

10-25-2019

Signed*

AirMart

LOG ID# 833 07-February-2020
N139PS S/N 40.518 DIAMOND/KATANA DA40

REMOVED GARMIN GTX33 TRANSPONDER. INSTALLED
A GARMIN GTX-345R SN: 3EH421728 AS PER STC SA01714WI.

Ref FAA Form 337 dated 02/07/2020 for details.


"The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227".

Aircraft weight & Balance was revised.

AP3548069 GARY JENKINS 2-7-2023


STBY ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUED IN FT.	ALTIMETER READS	REFERENCE ALTITUED IN FT.	ALTIMETER READS
-1000	-1020	14000	13960
0	-10	16000	15970
500	480	18000	18000
1000	1000	20000	20030
1500	1490	22000	-----
2000	2000	25000	-----
3000	3000	30000	-----
4000	4000	35000	-----
6000	5980	40000	-----
8000	7960	45000	-----
10000	9950	50000	-----
12000	11950		
Tested By: <i>Wm Kennedy</i>		N#: N139PS	Date: 9/18/19

 Thoroughbred Aviation Maintenance, Inc.
6204 Paris Pike
Georgetown, KY 40324
FAA CRS # R81R199Y

PFD ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUED IN FT.	ALTIMETER READS	REFERENCE ALTITUED IN FT.	ALTIMETER READS
-1000	-1020	14000	13980
0	-20	16000	15980
500	480	18000	17980
1000	980	20000	19980
1500	1480	22000	-----
2000	1980	25000	-----
3000	2980	30000	-----
4000	3980	35000	-----
6000	5980	40000	-----
8000	7980	45000	-----
10000	9980	50000	-----
12000	11980		
Tested By: <i>Wm Kennedy</i>		N#: N139PS	Date: 9/18/19

 Thoroughbred Aviation Maintenance, Inc.
6204 Paris Pike
Georgetown, KY 40324
FAA CRS # R81R199Y

N139PS

CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K

Altimeter Scale Error

Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-1020	30,000	
0	-20	35,000	
500	480	40,000	
1,000	980	45,000	
1,500	1480	50,000	
2,000	1980	55,000	
3,000	2980	60,000	
4,000	3980	70,000	
6,000	5980	80,000	
8,000	7980		
10,000	9980		
12,000	11980		
14,000	13980		
16,000	15980		
18,000	17980		
20,000	19980		
22,000			
25,000			

Altimeter
Position
Pilot ☒
Copilot ☐

ALT. S/N 47802444
DATE 2-10-20

DOC# ECC123

N139PS

CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K

Altimeter Scale Error

Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-1020	30,000	
0	-20	35,000	
500	480	40,000	
1,000	980	45,000	
1,500	1480	50,000	
2,000	1980	55,000	
3,000	2980	60,000	
4,000	3980	70,000	
6,000	5980	80,000	
8,000	7980		
10,000	9980		
12,000	11980		
14,000	13980		
16,000	15980		
18,000	17980		
20,000	19980		
22,000			
25,000			

Altimeter
Position
Pilot ☐
Copilot ☒

ALT. S/N 446179
DATE 2-10-20

DOC# ECC123

AIR TIME AND

[illegible]

<p style="text-align: center;">FAR 91.413</p> <p>THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.</p>			
TRANSPONDER #1	MAKE: Garmin	MODEL: GTX345R	S/N: 3EH421728
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE: 2-10-2020	WO: 9291	INSPECTOR: Richard Ellington	
<p style="text-align: center;">CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K</p>			

FAR 91.411			
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43			
ALTIMETER CERTIFIED TO			
LEFT	FEET	RIGHT	FEET
	20,000		20,000
S/N:	47802444	S/N:	446179
DATE:	2-10-2020	W/O	9291
		INSPECTOR:	Richard Ellington
CAROLINA AVIONICS GROUP, LLC			
N139PS FAA APPROVED REPAIR STATION # QCCR-389K			

Airframe Log Book

Date: ~~October 25th 2019~~ RAL

Reg No: N139PS	Aircraft type: DA40	Aircraft S/N: 40.518
Tach: 1057.2	Hobbs: 1238.1	Aircraft Total Time: 1238.1
Engine Total Time:	Engine SMOH: N/A	Engine S/N: L-31929-514
Prop Total Time:	Prop SMOH: N/A	Prop S/N: CH38811B

1. I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition. Inspection performed in accordance with FAR 43 appendix D, and using the Diamond Maintenance Manual inspection guide as a reference.
2. Complied with Diamond MSI inspection in accordance with diamond instructions. No discrepancies were noted with inspection.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 2-19-2020

Signed: Robert A. Bourland
Robert A. Bourland 3795668 AP/IA

CARRIED FORWARD

ENGINEERING RECORD

[illegible]