

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N1105TX
2. Manufacturer's Designation DA20-C1
3. Manufacturer's Serial
Number C0303
4. Type Approval or
Specification Number A-191/TA4CH
5. Date of Manufacture 2004
6. Aircraft Inspection Cycle

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW



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

15 DEC 2004 S/N C0303
COMPASS DEVIATION, ALL ELECTRICS ON

SERIAL NUMBER

C0303

REGISTRATION MARK

N105TX

FOR	N	30	60	E	120	150
STEER	360	031	031	090	118	147
FOR	S	210	240	W	300	330
STEER	180	211	245	272	300	328



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

08 December, 2004

DA
Q 65

INSPECTOR

Albert Pepper

08 DEC 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
08 DEC 2004			1.1		
08 DEC 2004			1.2		
09 DEC 2004			1.2		AIRCRAFT SERVICEABLE FOR FLIGHT
09 DEC 2004			2.2		
09 DEC 2004			2.7		
11 DEC 2004			2.7		AIRCRAFT SERVICEABLE FOR FLIGHT
11 DEC 2004			3.0		
15 DEC 2004			3.0		ALL DISCREPANCIES RECTIFIED



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

15 December, 2004

INSPECTOR

R. X.

DA
Q 13

3.0

CARRIED FORWARD

ENGINEERING RECORD

1

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



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

DATE

INSPECTOR

08 December, 2004

[Signature]



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

ANNUAL INSPECTION DUE: DECEMBER 2005

BATTERY DUE: JANUARY 2007

DATE

INSPECTOR

08 December, 2004

[Signature]



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

DATE

INSPECTOR

08 December, 2004

[Signature]



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 December, 2004

[Signature]



[Signature]



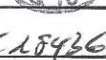
[Signature]

C284263

[Signature]

C284263

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[Signature]

C284262

[Signature]

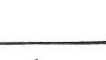
C254262

[Signature]



[Signature]

C254263



U.S. STANDARD AIRWORTHINESS CERTIFICATE
ISSUED

DATE: DEC 17 2004

AND INSTALL

AIRCRAFT ON BEHALF OF THE F.A.A. ON:

DATE: DEC 17 2004

NE-MIDO-46



AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD			3.0	
1-21-05 Tach TOT	24.3 24.3			
Replaced left Rear white nose light Bulb Tightened Jam nuts on canopy support Rods. C/w Diamond 25 hr since new Insp. Signature AP465630563				
4-14-05 Tach TOT	100.0 100.0			
C/w Diamond 100hr check list, I certify this Aircraft Has Been Insp IAW a 100hr Insp and was found to Be in an Airworthy condition. Replaced Induction Air Filter. Signature AP465630563				
8-26-05 Tach TOT	199.5 199.5			
Replaced Both main tires replaced wheel Bearing. Replaced Both Rt Brake linings & RT clear nos light. Replaced Induction Air Filter. C/W Diamond 200hr check list. I certify this Aircraft Has Insp IAW a 100hr Insp and was found to Be in an airworthy condition. Signature AP465630563				
<div style="text-align: right;"> DATE 10/18/05 TACH 299.3 TOT 299.3 Replaced air filter, and both Lt brake linings. C/W Diamond 100Hr Insp Checklist. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition. Signature AP465630563 Cert. # DATE 10/21/05 TACH 303.6 TOT 303.6 Replaced oil pressure sending unit ground run checked good. Signature AP465630563 Cert. # </div>				

ENGINEERING RECORD

2

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

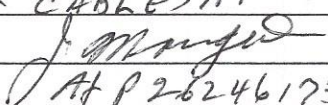
LICENCE
NUMBER

DATE 10/31/05 TACH 320.2 TOT 320.2
N105TX

DISCONNECTED #1 & #2 GPS ANTENNA COAX CABLE
AT REAR OF GPS'S


Signature

A&P465630563
Cert. #

11/05/05 RECONNECTED #1 & #2 GPS
PT 327.2 ANTENNA COAX CABLES AT
REAR OF GPS'S 
ATP262461736

Date 11/05/05 Tach 333.1 TOT 333.1

Removed and replaced Altitude Indicator
Old SN 150300N
New SN 150310N


Signature

ATP262461736
Cert. #




DATE 12/9/05 TACH 395.4 TOT 395.4

Replaced induction air filter, vacuum filter. C/W Diamond
200Hr Insp Checklist. Lubricated aircraft, Insp ELT IAW
91.207d. Repacked main wheel bearings. Replaced both
main tires and both brake linings on right side. replaced landing light
I certify this aircraft has been Insp IAW an Annual Insp
and was determined to be in an airworthy
condition.


Signature



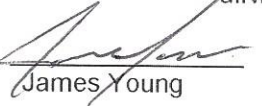

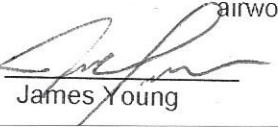
A&P465630563IA
Cert. #

AIR TIME AND


DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
1/11/06	1				Removed prop model # W69EK7-63 S/N AF7166,
Tach	430.9				Installed prop model # W69EK7-63G S/N AF7991.
TOT	430.9				<i>[Signature]</i> A&P456914552
DATE 1/19/06 TACH 443.7 TOT 443.7					
Installed new nose tire, tube, & wheel assy.					
			 Signature		
			A&P465630563 Cert. #		
DATE 2/14/06 TACH 491.3 TOT 491.3					
Replaced air filter, and vacuum regulator filter & central air filter. Replaced pilots push to talk button. C/W Diamond 100Hr Insp Checklist. I certify this aircraft has been Insp IAWa 100hr Insp and was determined to be in an airworthy condition.					
			 Signature		
			A&P465630563 Cert. #		
DATE 04/06/06 TACH 577.6 TOT 577.6					
Replaced throttle cable P/N A-1550-0550. Ops. check good.					
			 Signature		
			A&P456914552 Cert. #		
CARRIED FORWARD					

ENGINEERING RECORD

3

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<p>DATE 5/16/06 TACH 587.3 TOT 587.3 Replaced induction air, and vacuum reg. air filters. Replaced rudder pedal adj. cable, spring on fuel lines, and all brake linings. C/W Diamond 100Hr Insp Checklist. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.</p> <p> Jonathan Senn</p> <p>A&P465914556 Cert. #</p>		
<p>DATE 5/16/06 TACH 588.0 TOT 588.0 Test flight performed. No discrepancies noted at this time.</p> <p> Signature</p> <p>2706225CF1 Cert. #</p>		
<p>DATE 6/29/06 TACH 686.1 TOT 686.1 Replaced induction air, vacuum reg filter. Replaced both main tire, and repacked wheel bearings. C/W Diamond 100Hr Insp Checklist. Checked AD compliance, see list. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.</p> <p> James Young</p> <p>A&P465630563 Cert. #</p>		
<p>DATE 8/29/06 TACH 784.4 TOT 784.4 Replaced induction air, vacuum reg filter. C/W Diamond 200Hr Insp Checklist. Checked AD compliance, see list. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.</p> <p> James Young</p> <p>A&P465630563 Cert. #</p>		
<p>DATE 10/9/06 TACH 885.4 TOT 885.4 Replaced induction air, vacuum reg filter. Replaced landing light. C/W Diamond 100Hr Insp Checklist. Checked AD compliance, see list. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.</p> <p> James Young</p> <p>A&P465630563 Cert. #</p>		

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					DATE 11/8/06 TACH 935.5 TOT 935.5 Rotated Lt main tire and repacked wheel bearings. Replaced all brake linings.
					 Jonathan Senn
					A&P456914556 Cert. #
12/6/06					Replaced Mixture Control Cable
Tach	969.0				P/N 22-7611-21-00, Ops. deck good
TOT	969.0				 Jonathan Senn A&P456914556

ALTIMETER TEST AND INSPECTION

TEXAS STATE TECHNICAL COLLEGE
3801 CAMPUS DRIVE
WACO, TX 76705
CRS# FT8R150Q

ALTIMETER FEET		TOLERANCE FEET		ALTIMETER READS		FRICTION		
						ALTIMETER	TOLERANCE	READS
-1,000	20			-1010		1,000	70	50
0	20			0		2,000	70	45
500	20			505		3,000	70	45
1,000	20			1005		5,000	80	35
1,500	25			1510		10,000	90	60
2,000	30			2010		15,000	90	40
3,000	30			3010		20,000	100	60
4,000	35			4010		25,000	120	
6,000	40			6000		30,000	140	
8,000	60			7990		35,000	160	
10,000	80			9985		40,000	180	
12,000	90			11980		50,000	250	
14,000	100			13980		ENCODER PIN <u>55020-30A</u> SW <u>A 59914</u>		
16,000	110			15985		HAS BEEN MATCHED TO THIS ALTIMETER TO		
18,000	120			17995		FEET ON <u>01-24-2007</u>		
20,000	130			20010		PRESSURE-ALTITUDE		
22,000	140					DIFFERENCE		
25,000	155					BARO	ALT.	ALT.
30,000	180					SCALE	DIFF.	READS
35,000	205					28.10	-1727	-1605 -1740
40,000	230					28.50	-1340	-1215 -1350
45,000	255					29.00	-863	-730 -865
50,000	280					29.50	-392	-265 -400
						29.2892	0	135
						30.50	+531	660 525
						30.90	+893	1025 890
						30.99	+974	1110 975

TEST TOLERANCES		
TEST	TOLERANCE FEET	ALT. READS
CASE LEAK	100	9
HYSTERESIS		
1ST. 50%	75	10
2ND. 40%	75	10
AFTER EFFECT	30	5

ALTIMETER MOD. NO.	<u>A130</u>
ALTIMETER SER. NO.	<u>442174</u>
DATE	<u>01-24-2007</u>
WO. #	<u>A070005</u>
SIGNED BY	<u>Brandon J. Thacker</u>

1) AND STATIC SYSTEMS(S) TESTS AS REQUIRED BY
MED IN ACCORDANCE WITH FAR 43 APPENDIX E
S/N 442194 HAS BEEN TESTED TO
1107 ALTIMETER # 2 P/N NA
TED TO NA FEET ON NA ENCODER
#A5914 HAS BEEN MATCHED WITH ALTIMETER
ON 1/24/07 ENCODER # 2
HAS BEEN MATCHED WITH ALTIMETER

#1 MAKE Garmin MODEL GTX 325
SERIAL # 2 MAKE NA MODEL NA S/N
ALLIED IN THIS AIRCRAFT HAVE BEEN TESTED AS
ACCORDANCE WITH FAR 43 APPENDIX F ON THIS

ESTS ARE ON FILE AT THIS AGENCY UNDER WORK
 RE 2/27/07 TACH/HOBBS 98510.

2AL COLLEGE - AVIONICS DEPARTMENT
801 CAMPUS DRIVE
WACO, TX 76705
(254)867-3386
CRS# FT8R150Q

DATE 3/10/7 TACH 985.0 TOT 985.0
and Elt main drive, nose tire, & front fl metal buffer.
Replaced intake seat duct, starter bad springs in fuel cap,
& Altitude indicator. ON T892.54. Made all new rubber
cables, installed & rigged. CAM AD 93-05-08 replaced
backplate, o-rings & lubed. Replaced inductor air filter
vacuum filter. C/W Diamond 1000-Hr Insp Checklist.
Lubricated front end. Replaced ELT had next due 12/08
Insp ELT IAW 94 207d Repacked main wheel bearings.
Sec AD list for compliance. I. Early this aircraft has been
insp IAW an Annual Insp. and was determined to be in an
airworthy condition. Airline approved IAW Diamond
Maintenance manual.

4&P4675205831A
Cert. #

ENGINEERING RECORD

4

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

DATE 5/5/07 TACH 1092.4 TOT 1092.4

Replaced Turn Coordinator with overhauled unit of 901220. Obs check good

[Signature]
Jonathan Senn

AAP 456914532
Lic #

DATE 5/15/07 TACH 1080.9 TOT 1080.9

Replaced induction air & vacuum reg filter. CNW Diamond 100hr Insp Checklist. Checked AD compliance. see list. I verify this aircraft has been Insp IAW a 100hr Insp. I have determined to be safe from the inspection.

[Signature]
Jonathan Senn

AAP 456914556
Lic #

6-6-07

Tach 1100.4
Tot 1100.4

Removed prop installed serviceable prop
This aircraft is airworthy for one time flight
from PSN to CNW. IAW Special Flight permit
date 6/6/07.

[Signature]
AIP 265630563

DATE 6/15/07 TACH 1101.2 TOT 1101.2

This aircraft has been Insp and has been found safe
for the intended flight IAW Special Flight Permit
dated 6/14/2007

[Signature]

AIP 262461731

Lic #

N1051X

Tach Time: 1101.5 Hobbs: 1430.2 ACFT: 1101.5 TSMOIE 1101.5

Date: 08-06-2007

Removed engine for prop strike insp. Installed engine after insp. ground run engine. Test flight required.

Fix It Fly It Aviation 467432257 A&P IA Brad Moffett

[Signature]

AIR TIME AND

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 COMPLETION</p> <p>N105TX Date: 08-07-2007 Tach Time: 1105.0 Hobbs: 1435.0 ACTE: 1105.0 TSMOH: 1105.0</p> <p>Test flight C/W IAW Cont. Overhaul Manual Chapter 20-18. No discrepancy at this time.</p> <p>Fix It Fly It Aviation 467432257 A&P IA Brad Moffett <i>Brad Moffett</i></p>
					<p>DATE 8/9/07 TACH 1109.4 TOT 1109.4 Replaced hor zen gyro with c/w installed like part SN 101-0074-03 ground run ok good</p> <p><i>James Young</i> A&P 465630605 Cert. #</p>
					<p>DATE 10/26/07 TACH 1180.0 TOT 1180.0 Replaced induction air, vacuum reg filter Replaced both main tires & repacked wheel bearings C/W Diamond 100hr insp Checklist Checked AD compliance, see list. I certify this aircraft has been insp IAW a 100hr insp and was determined to be in an airworthy condition.</p> <p><i>James Young</i> A&P 465630163 Cert. #</p>
					<p>DATE 3/1/08 TACH 1270.0 TOT 1270.0 Replaced induction air filter, vacuum filter, C/W Diamond 200hr insp Checklist. Lubricated aircraft, test ELT IAW 01-2073, replaced 9 volt battery in ELT next due 2/100. Replaced nose tire, nose wheel bearings, & nose gear fork w/ser PN 30-2223-00-00. Replaced landing & taxi light, see AD list for compliance. I certify this aircraft has been insp IAW an Airframe insp and was determined to be in an airworthy condition.</p> <p><i>James Young</i> A&P 465630605A Cert. #</p>

CARRIED FORWARD

ENGINEERING RECORD

5

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

DATE 6/20/08 TACH 1344.2 TOT 1344.2

Replaced both main line repacked wheel bearings &
checked all other bearings. Checked and
found all other parts good.


James Young

A&P 45631502

Cert. #

DATE 07/16/08 OLD TACH 1373.2 TOT 1373.2
NEW TACH 0.0

Replaced tachometer with new like unit. Old Tach time
1373.2 new tach time 0.0.



Jonathan Senn

A&P 3328353

Cert. #

DATE 7/10/08 TACH 0.0 TOT 1373.1

Replaced both L1 brake linings and vacuum
regulator filters. C.W. Diamond 100 insp. checked. Checked
A/C compliance. See list. I certify this A-frame has been insp
A/W an 100 insp and was determined to be in an airworthy
condition.

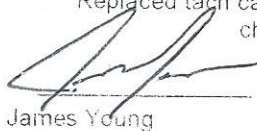

Jonathan Senn

A&P 3328353

Cert. #

DATE 8/5/08 TACH 14.7 TOT 1392.9

Replaced tach cable PN 22-7710-20-00 op's
checked good.

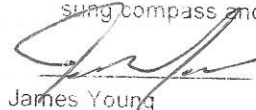

James Young

A&P 2669238

Cert. #

DATE 8/14/08 TACH 17.4 TOT 1395.6

Replaced compass with new unit PN C2300L4,
sung compass and installed new compass card.

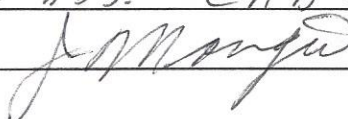

James Young

A&P 2669238

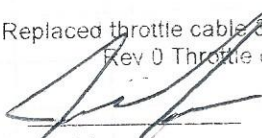
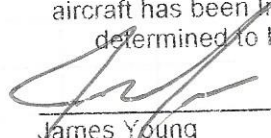
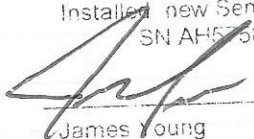

Cert. #

09/18/08 TACH 49.0 TOT 1427.2

REPLACED AND OP'S CK'ED LANDING
LIGHT BULB REPLACED PILOTS
RUDDER ADS. CABLE

 A&P 262861736

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
					DATE 10/10/08 TACH 67.7 TOT 1445.9
					Replaced throttle cable & C/W Diamond SB DAC1-76-04 Rev D Throttle cable firewall feed-thru.
					 James Young
					A&P2669238 Cert. #
					DATE 11/11/08 TACH 98.8 TOT 1477.0
					Replaced rudder bracket PN 20-5545-05-00 & pilots rudder pedal adj. cable.
					Replaced lt main tire & repacked wheel bearings.
					Replaced induction air, vacuum reg filter. Replaced vacuum gauge. C/W Diamond 200Hr Insp Checklist.
					Checked AD compliance, see list. I certify this aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.
					 James Young
					A&P2669238 Cert. #
					DATE 11/11/08 TACH 98.8 TOT 1477.0
					Installed new Sensenich prop PN W69EK7-63C SN AH5758 on this aircraft
					 James Young
					A&P2669238 Cert. #
					DATE 11/14/08 TACH 103.6 SMCH 1481.8 TOT 1481
					Replaced oil pressure gauge and adjusted nose wheel tension. All work was done IAW Diamond service manuals
					 Brad Moffatt
					46143225TA&P/A Cert. #
					CARRIED FORWARD

CASE
LEAK
HYST
1ST. 5
2ND. 4
AFTER
EFFECT

ENGINEERING RECORD

6

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
DATE 12/10/08 TACH 128.0 SMOH 1506.2 TOT 1606		
Removed & replaced directional gyro with like unit S/N T87812E O/H by Century Inst. Corp. W/O #123087 All work was done IAW Diamond service manuals		
<i>Brad Moffat</i> Brad Moffat	46743257A&P/A Cert #	
TACH 133.6 TOT 1511.8		
01-06-09 REPLACED TURN COOR WITH LIKE SERVICABLE ITGM S/N 796-915		
040 S/N 9312-20 O/P'S CK'GO GOOD		
<i>J. Mangin</i> A + P 262 461736		
DATE 1/12/08 TACH 133.6 TOT 1511.8		
CAW Diamond SP DAC1-25-01 Rev 2 installed Artex ME406 ELT SN 188-03858 Battery due Jan 2014. Insp ELT IAW FAR 91.207d		
<i>James Young</i> James Young	A&P2669238 Cert #	
DATE 07/30/09 TACH 147.7 TT 325.9 SMOH 1511.8		
Removed & replaced directional gyro with servicable unit. Set time right per the A&P's linings on both sides. All work was done IAW Diamond serv. manual.		
<i>Brad Moffat</i> Brad Moffat	A&P226022 Cert #	

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					<p>I CERTIFY THAT THE ALTIMETER(S) AND STATIC SYSTEMS(S) TESTS AS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED IN ACCORDANCE WITH FAR 43 APPENDIX E</p> <p>ALTIMETER # 1 P/N <u>A130</u> S/N <u>44194</u> HAS BEEN TESTED TO <u>20000</u> FEET ON <u>4-7-09</u> ALTIMETER # 2 P/N <u>N/A</u> S/N <u>N/A</u> HAS BEEN TESTED TO <u>N/A</u> FEET ON <u>N/A</u></p> <p>ENCODER # 1 P/N <u>SS0120</u> S/N <u>59914</u> HAS BEEN MATCHED WITH ALTIMETER # 1 TO <u>20000</u> ON <u>4-7-09</u> ENCODER # 2 P/N <u>N/A</u> S/N <u>N/A</u> HAS BEEN MATCHED WITH ALTIMETER # 2 TO <u>N/A</u> ON <u>N/A</u></p> <p>I CERTIFY THAT TRANSPONDER #1 MAKE <u>Garmin</u> MODEL <u>GTX 327</u> S/N <u>83716264</u> AND TRANSPONDER # 2 MAKE <u>NA</u> MODEL <u>NA</u> S/N <u>NA</u> AS INSTALLED IN THIS AIRCRAFT HAVE BEEN TESTED AS REQUIRED BY FAR 91.413 IN ACCORDANCE WITH FAR 43 APPENDIX F ON THIS DATE <u>4-7-09</u></p> <p>PERTINENT DETAILS OF THESE TESTS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. <u>A050014</u> DATE <u>4-7-09</u> TACH/HOBBS <u>167.5</u></p> <p>SIGNED <u>June Bryant</u></p> <p style="text-align: center;">TEXAS STATE TECHNICAL COLLEGE - AVIONICS DEPARTMENT 3801 CAMPUS DRIVE WACO, TX 76705 (254)867-3386 CRS# FT8R150Q</p>
					<p>DATE: 04-08-2009 TACH: 167.5 TOT: 1565.7</p> <p>Replaced induction air filter & vacuum regulator filter Replaced starter vibrator battery clock battery pilots rudder adjustment cable, & nose gear shock strut assy. O/W Diamond 200-Hr Insp Checklist Lubricated aircraft Inspected ELT IAW 91.207d, See AD list for compliance I certify this aircraft has been Insp IAW an Annual Insp and was determined to be in an airworthy condition</p> <p style="text-align: right;">A&P 10315235 Cert #</p>
					<p>DATE 7/15/09 TACH 256.9 TOT 1635.1</p> <p>O/W Diamond SB DAC1-53-01 Rev 2 Spar Bridge Gusset Reinforcement.</p> <p style="text-align: right;">A&P 2669238 Cert #</p>
					<p style="text-align: center;"><u>James Bryant</u></p>

CASE
LEAK
HYSTE
1ST 50
2ND 40
AFTER
EFFECT

ENGINEERING RECORD

7

Date 10-14-2009 N105TX TACH 286.1 TOT 1664.3

Replaced vacuum reg filter P/N B3-5-1, central air filter and induction air filter P/N BA235E. Replaced pilots rudder adjust cable P/N 20-2700-21-00 and both springs on adjust cable P/N 20-2700-20-02. Replaced Lt main tire & repacked wheel bearings. Replaced tail skid plate P/N 22-5300-40-01. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
James Young
A&P 2669238

CE
ER

DATE 10/14/09 TACH 286.1 TOT 1664.3
C/W Diamond 100Hr Insp Checklist See AD list for compliance.
I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young A/P 262461736

Date 1-26-2010 N105TX TACH 387.3 TOT 1765.5

Replaced vacuum reg filter and induction air filter P/N BA235E. Replaced all brake linings & repacked Rt caliper. Replaced bushings in pilots control stick & mixture knob lock spring. C/W Diamond 200Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
James Young
A&P 2669238

Date 3-3-2010 N105TX OLD TACH 431.7 NEW TACH 0.0 TT 1809.9

Replaced tachometer, old tach time was 431.7, new tach time 0.0, ops check good.

for MLE / Steven McLeod A/P 3370601

Date 3-12-2010 N105TX TACH TIME 5.7 TT 1815.6

Preformed compass swing, found to be within the +/- 10 degree limits.

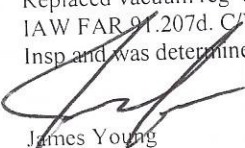
Steven McLeod A/P 3370601
for MLE

Date:						
For	N	30	60	E	120	150
Steer	355	30	60	90	120	150
For	S	210	240	W	300	330
Steer	150	215	245	275	300	335

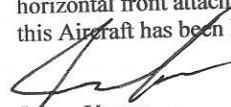
AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET</small>
	HRS.	MIN.	HRS.	MIN.	

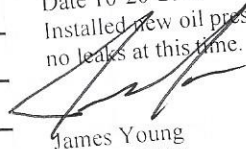
E Date 4-22-2010 N105TX TACH 53.6 TOT 1863.5
F Replaced vacuum reg filter P/N B3-5-1 and induction air filter P/N BA235E. Replaced Lt main tire & #2 exhaust riser & clamp. Insp ELT IAW FAR 91.207d. C/W Diamond 100Hr Insp Checklist. See AD list for compliance. I certify this Aircraft has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.


 James Young
 26692381A

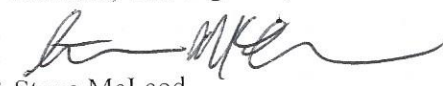
Date 09-29-2010 N105TX TACH 152.1 TOT 1962.0
 Replaced vacuum reg filter, central air filter and induction air filter. C/W AD93-05-05 replaced back plate, cups & lubed. Replaced horizontal front attachment bolts. Overhauled fuel tank cap. C/W Diamond 1000Hr Insp Checklist. See AD list for compliance. I certify this Aircraft has been Insp IAW a 100hr Insp and was determined to be in an airworthy condition.


 James Young
 A&P2669238

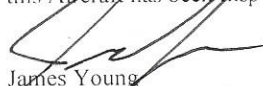
Date 10-20-2010 N105TX TACH 158.3 TOT 1968.2
 Installed new oil pressure kit Pn 22-7930-10-00 Sn 79, ground run op's checked good no leaks at this time.


 James Young
 A&P2669238

Date 1-13-2011 N105TX TACH 201.5 TOT 2011.4
 Installed model IO240B18B S/N 1003396 engine on Diamond DA20-C1 S/N C0303
 Installed repaired engine mount arc tube P/N 22-7122-00-00 and new hardware, Installed 4 new engine isolator mounts and hardware, Replaced oil & fuel hoses, alt belt, air filter, intake and cabin heat scat hose, all vaccum & breather hose, throttle, mixture, carb heat and alternate air cables. Installed overhauled oil cooler. Installed alternator and vaccum pump, Installed exhaust, Installed prop, Installed new slick mags LH 4310 S/N 10110412, RH 4309 S/N 09060401. Serviced with Philips 20W50 X/C oil, Ground test and fuel system set up completed, no leaks at this Time, All of the above was done IAW Diamond & Continental maintenance manuals, Test flight required.


 Steve McLeod
 A&P3370601

Date 3-4-2011 N105TX TACH 252.4 TOT 2062.3
 Replaced vacuum reg filter P/N B3-5-1 and induction air filter P/N BA235E. Replaced both main tires, both Lt brake linings & starter vibrator battery next due 2-2013. Insp ELT IAW FAR 91.207d. C/W Diamond 100Hr Insp Checklist. See AD list for compliance. I certify this Aircraft has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.


 James Young
 26692381A

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 2ND 40
 AFTER
 EFFECT

ENGINEERING RECORD

8

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

I CERTIFY THAT THE AL
FAR 91.411 HAVE BEEN
ALTIMETER # 1 P/N 5
20,000 FEET
S/N NA
ENCODER # 1 P/N SSD
ALTIMETER # 1 TO 2
P/N NA S/
2 TO NA ON

I CERTIFY THAT TRANS
S/N 83716264 AND
S/N NA
REQUIRED BY FAR 91.4
DATE 4-27-11

PERTINENT DETAILS OF
ORDER NO. A201111

SIGNED James Young
TEXAS STATE

Scale Error Test				Friction Test			
Altitude	Tolerance	Altitude	Status	Altitude	Tolerance	Altitude	Status
1000	20	1015	Pass	1000	70	1000	Pass
2000	20	2015	Pass	2000	70	2000	Pass
3000	20	3015	Pass	3000	70	3000	Pass
4000	20	4015	Pass	4000	70	4000	Pass
5000	20	5015	Pass	5000	70	5000	Pass
6000	20	6015	Pass	6000	70	6000	Pass
7000	20	7015	Pass	7000	70	7000	Pass
8000	20	8015	Pass	8000	70	8000	Pass
9000	20	9015	Pass	9000	70	9000	Pass
10000	20	10015	Pass	10000	70	10000	Pass
11000	20	11015	Pass	11000	70	11000	Pass
12000	20	12015	Pass	12000	70	12000	Pass
13000	20	13015	Pass	13000	70	13000	Pass
14000	20	14015	Pass	14000	70	14000	Pass
15000	20	15015	Pass	15000	70	15000	Pass
16000	20	16015	Pass	16000	70	16000	Pass
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18000	20	18015	Pass	18000	70	18000	Pass
19000	20	19015	Pass	19000	70	19000	Pass
20000	20	20015	Pass	20000	70	20000	Pass
21000	20	21015	Pass	21000	70	21000	Pass
22000	20	22015	Pass	22000	70	22000	Pass
23000	20	23015	Pass	23000	70	23000	Pass
24000	20	24015	Pass	24000	70	24000	Pass
25000	20	25015	Pass	25000	70	25000	Pass
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30000	20	30015	Pass	30000	70	30000	Pass
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37000	20	37015	Pass	37000	70	37000	Pass
38000	20	38015	Pass	38000	70	38000	Pass
39000	20	39015	Pass	39000	70	39000	Pass
40000	20	40015	Pass	40000	70	40000	Pass
41000	20	41015	Pass	41000	70	41000	Pass
42000	20	42015	Pass	42000	70	42000	Pass
43000	20	43015	Pass	43000	70	43000	Pass
44000	20	44015	Pass	44000	70	44000	Pass
45000	20	45015	Pass	45000	70	45000	Pass
46000	20	46015	Pass	46000	70	46000	Pass
47000	20	47015	Pass	47000	70	47000	Pass
48000	20	48015	Pass	48000	70	48000	Pass
49000	20	49015	Pass	49000	70	49000	Pass
50000	20	50015	Pass	50000	70	50000	Pass

(254)867-3386
CRS# FT8R150Q

Date 5-25-2011 N105TX TACH 350.4 TOT 2160.3
Replaced vacuum reg filter and induction air filter P/N BA235E. Replaced Rt brake linings, nose tire & nose gear fork. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
A&P 2669238

Date 8-04-2011 N105TX TACH 450.1 TOT 2260.0
Replaced vacuum reg filter and induction air filter P/N BA235E. Replaced bushings in pilots control stick. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

Steven McLeod
A&P 3370601

Date 10-20-2011 N105TX TACH 549.5 TOT 2359.4
Replaced vacuum reg filter and induction air filter P/N BA235E. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.

James Young
A&P 2669238

Altitude Test and Inspection

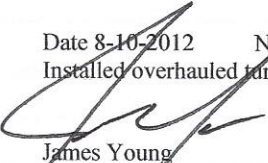
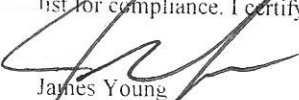



Texas State Technical College
3801 Campus Drive
Waco, TX 76707
CRS# FT8R150Q

AIR TIME AND

[illegible]

ENGINEERING RECORD

9

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Date 8-10-2012 N105TX TACH 790.7 TT 2558.4 Installed overhauled turn coordinator SN K06-11461.	 James Young A&P2669238	
Date 10-2-2012 N105TX TACH 841.1 TT 2651.0 Replaced vacuum reg filter and induction air filter P/N BA235E. Replaced Lt brake linings. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.	 James Young A&P 2669238	
Date 11-27-2012 N105TX TACH 939.1 TT 2749.0 Replaced vacuum reg filter and induction air filter P/N BA235E. Replaced nose gear shock discs. Installed overhauled boost pump SN 0853. C/W Diamond 100Hr Insp Checklist See AD list for compliance. I certify this Aircraft has been Insp IAW a 100Hr Insp and was determined to be in an airworthy condition.	 James Young A&P 2669238	
Date 12-19-2012 N105TX TACH 983.9 TT 2793.8 Replaced both main tires, tubes and all brake linings.	 James Young A&P2669238	
Date 2-7-2013 N105TX TACH 1038.5 TT 2848.4 Replaced vacuum-reg filter and induction air filter P/N BA235E. Replaced right brake linings and repacked right brake caliper. Installed new fuel cap. Insp ELT IAW FAR 91.207d. C/W Diamond 100Hr Insp Checklist. See AD list for compliance. I certify this Aircraft has been Insp IAW an Annual Insp and was determined to be in an airworthy condition.	 James Young 2669238IA	

ENGINEERING RECORD

10

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Reg: N105TX

Model: DIAMOND AIRCRAFT IND DA 21

SN: C0303

Texas State Technical College

3801 Campus Drive

Waco, TX 76705

Date: 8/15/2013

TTA: 3095.0

Tach: 1285.1

Hobbs: 4016.3

Maintenance Record (Airframe)

Performed a 50 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual not on file and Part 43 Appendix D.

Replaced left main wheel.

I certify that this Airframe has been inspected in accordance with a 50 HOUR inspection and has been determined to be in airworthy condition

Dixon, Eric
3617290



Reg: N105TX

Model: DIAMOND AIRCRAFT IND DA 21

SN: C0303

Texas State Technical College

3801 Campus Drive

Waco, TX 76705

Date: 10/10/2013

TTA: 3148.3

Tach: 1338.4

Hobbs: 4086.7

Maintenance Record (Airframe)

Performed a 100 HOUR inspection in accordance with DIAMOND AIRCRAFT IND DA 20-C1 maintenance manual not on file and Part 43 Appendix D.

Removed and replaced nose tire, right main tire, right break disks, central air filter, induction air filter, cabin heat flex tube, pilots side left "S" tube, all bushings on flaps both right and left. C/W 500 hr mag inspection...replance points in left mag, replaced right mag with P/N 4309 S/N 12020515. Next due at 3648 TT. Repaired bushing on pilots rudder sled, exhaust shroud, rubber grommet on break line right side. C/W Ignition switch AD 93-05-06...removed and replaced cups and backplate and lubed. Next due at 5148 TT. See AD list for compliance. C/W Diamond Aircraft 1000 hour inspection.

I certify that this Airframe has been inspected in accordance with a 100 HOUR inspection and has been determined to be in airworthy condition

Dixon, Eric
3617290 A&P



November 22, 2013 N105TX Diamond DA20-C1 Right wing sn C0303

Repaired minor fracture at leading edge of right hand wing tip in accordance with ch.51 of DA20-C1 AMM and techniques of approved Doc. 6.02.01, using approved MGS L160/H163 resin/hardener and Interglas 92125 fiberglass cloth. Refinished to match in Imron 5000. Final inspection and installation on aircraft to be completed by others.


Larry Mansberger A&P IA 3452301

Mansberger Aircraft Inc. 758 Aviator Dr. Fort Worth, TX 76179

