

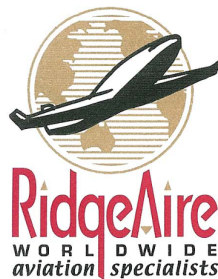
# N5922S

## 2004 Diamond DA20-C1

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# Airframe Logbook SNEW 2004 - 2024

**Aircraft S/N: C0273**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

# AIRCRAFT TECHNICAL LOGS

26° BTDC

## Section 1. AIRFRAME

= 31.25 A/16



# 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
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW



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

17 MAY 2004 S/N C0273  
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	089	119	146
FOR	S	210	240	W	300	330
STEER	178	210	242	273	301	329

SERIAL NUMBER

REGISTRATION MARK

C0273

N5922S



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

DA  
Q 65

INSPECTOR

17 May, 2004

[Signature]

17 MAY 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
17 MAY 2004			1.1		
17 MAY 2004			1.5		
17 MAY 2004			2.4		
18 MAY 2004			2.4		AIRCRAFT SERVICEABLE FOR FLIGHT
18 MAY 2004			2.5		
18 MAY 2004			2.7		
18 MAY 2004			2.7		ALL DISCREPANCIES RECTIFIED



DIAMOND AIRCRAFT INDUSTRIES  
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

18 May, 2004

INSPECTOR

[Signature]

DA  
Q 13

2.7

CARRIED FORWARD











CARRIED FORWARD AIR TIME AND ENGINE

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.	

BRC  
FOI

Date: 12-07-04      N5922S      Tach: 119.5      Total Time: 119.5  
 Removed cylinder head temperature gauge due to its being inoperative. Install a new cylinder head temperature gauge. Checked propeller bolt torque to 380 inch pounds. All work done in accordance with manufacturers specifications. Aircraft ground checked OK.

DYSON AVIATION  
*Carroll G. Dyson*  
 Carroll G. Dyson, A&P, 453628177

06-01-05 TACH 207.6 Panels, Hatches, covers Removed. Inspected Controls Pushrods, Rod Ends Cables ETC. Checked BATTERY, LIGHTS OK, BRAKES & WHEELS GOOD. Removed BOTH AXELS. installed TAPERED SHIMS TO CORRECT WHEEL ANGLES. Lubed Wheel BEARINGS. Checked ALL FUEL DRAINS, & GAS COLLECTOR DRAIN. INSPECTED AIRCRAFT using Factory Check List FOR ANNUAL inspection. Remove EMT. Tested unit per FAR 91.207. D. Found Good BATTERY Expire JUNE 06. Inspected BRACKET Air Filter Installation Good. Compiled complete AD List on AIRFRAME AND Engine. Only one AD applies: AD 76-07-12 CW By ops test of switch.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED in ACCORDANCE with an ANNUAL inspection and was DETERMINED TO Be in AIRWORTHY condition

John M. Hammons 456543146 IA

~~09-18-05 TACH 256.8~~

12-13-05 TACH 298.6 Dismantle NOSE wheel unit FROM GEAR leg. CLEAN leg AND NOSE gear casting. LUBRICATE WITH BEARING GREASE AND TIGHTEN TO specs. Test TAXI and Found satisfactory job m/hammons 456543146 A&P.



## ENGINEERING RECORD

3

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

SIGNATURE

LICENCE  
NUMBER

07-24-06. TACH 390.3 ITAF 390.3

Remove Combing Covers, Hatches. Inspect & lube Flight Controls. Remove and replace all 4 Brake pads. Remove & replace O-ring seal on left Brake Caliper. Service Both Brakes with Hydraulic Fluid. Remove Nose wheel Pivot & Casting. Clean, Remove Rust From lag pivot pin clean Bearing. Repack and Adjust pivot tension. TAXI test good. Check lights OK. Inspect muffler, skid, pipes good. AD 76-07-12 CW By op test of Swtch. ELT removed & tested per FAR 91-207-D OK. BATTERY EXP JAN 08.

Inspected A/cft using Checklist for Annual inspection  
I certify this Aircraft has been inspected in accordance with an annual inspection and was determined to be in Airworthy Condition.

John Hammans 456543146 IA

07-16-07. TACH 522.4

Remove & Replace Both Main tires with New 500X5X6 PLY Tires. Remove Axels - ADD SHIM FOR TIRE wear CAMBER. Repack ALL BEARINGS BRAKE checked good.

John Hammans 456543146 IA &amp; P.

08-01-07. TACH 532.2. Remove Combing Hatches Cover. Inspect & lube Flight Controls. Check Lighting good. Landing gear, Tires, Brakes checked good service battery with water. Remove Defective oil pressure transmitter. Replace with New unit. Ops test/leak test good. ELT removed & tested IAW FAR 91.207-D OK. Batt Expires June 08. Restore all covers, Hatches, Covers, Plates. Test Run engine tested system OK. AD 76-07-12 CW By ops test of Swtch

I certify this Aircraft was inspected in accordance with an annual inspection and was determined to be in Airworthy Condition

John Hammans 456543146 IA



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
	HRS.	MIN.	HRS.	MIN.	
09-04-08	675	6	675	6	inspected & lubed Flight Controls Pulley. Hinge points - Red Ends. checked BRAKES OK. Pump OK system OK good. CK all Lights. Repair TAIL NAV - (OUTSIDE) circuit. Remove nose wheel. Clean Bushing - clean nose strut. lube all parts - Reassemble & ADJUST steering tension. TAXI Test OK. Remove EXT. Test unit for FAR 91.207.D Found OK. Battery Expires [July-2010] inspected AIRCRAFT in accordance with Diamond Manual.
I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					
John M. Hammes 456543146 A&P/IA					
09-04-08	<CONTD>		AD 76-07-12 CW by ops test of switch		John M. Hammes 456543146 A&P
10-13-08	TACH	690.7	Remove nose SHOCK STRUT. Replace All DONUTS. Reinstall SHOCK STRUT.		John M. Hammes 456543146 A&P
03-23-09	TACH	744.1	Remove & Replace left main TIRE WITH NEW SOXYS TIRE, lube wheel BEARINGS - Check BRAKE PADS OK.		John M. Hammes 456543146 A&P
07-23-09	TACH	794.6	Remove & Replace Right main TIRE w/ NEW AIR TRAC 6ply TIRE. Remove & Replace all 4 BRAKE pads w/ new PADS.		John M. Hammes 456543146 A&P



# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

**10-01-09: TACH 818.5/ diamond DA-20-C1**  
**N5922S sn 0273:**

Removed panels, fairings, and covers. Inspect  
And lube flight controls. Inspect wheels, tires and  
Brakes. Check lighting ok. Inspect propeller and  
Spinner. Oil not changed due to time in service.  
Wheels not lubed due to recent lubing. Elt removed  
And tested per far 91-207.d. found to operate  
Satisfactory. Ad notes updated only one applies  
To engine, and airframe. Ad 76-07-12 complied  
With by operational check of switch. Remove and  
Replace air filter element.

**I CERTIFY THIS AIRCRAFT WAS INSPECTED  
IN ACCORDANCE WITH THE DIAMOND  
SERVICE MANUAL FOR ANNUAL INSPECTION  
AND WAS FOUND TO BE IN AIRWORTHY  
CONDITION.**

*John M. Hammons*  
**John M. Hammons 456543146 A&P / IA**

7-20-2010 TACH 938.9. Remove And Replace  
Right Tire with a New ~~60~~ 500X5x6ply AIR HAWK.  
Checked Brakes good  
*John M. Hammons* 456543146 A&P.



# RECORD AIR TIME AND ENGINEERING RECORD

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD

**11-01-2010: TACH 981.1 TTAF 981.1**

Removed cowling hatches, covers, fairings, seats baggage shelf. Inspect flight Controls, linkages, hinges, pushrods, cables. Lubed all components. Removed Muffler shroud. Checked muffler and shroud good. Stacks checked. No leaks found. Inspected landing gear, wheels and brakes. Ops tested all lighting good. Elt removed And tested per FAR 91-207 d. battery expires 2 / 12. remove and replace air filter Element. Removed baggage compt shelf components. Inspected spar per service Bulletin # DAC1-53-01 REV 2. FOUND NO CRACKS OR DELAMINATION. Remove and replace scat tubing on air intak box. Completed inspection using diamond service manual checklist. No additional Discrepancies found. Ad 76-07-12 CW by ops test of switch.

**I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.**

*John M. Hammons*  
**JOHN M. HAMMONS 456543146 A&P / IA**

**09-29-2011: TACH 1123.7**

**Remove & Replace BOTH main TIRES WITH NEW AIRHAWK 500X5X6PLY TIRES**

*John M. Hammons 456543146 A&P*

October 4, 2011

N5922S

Removed King KX-155 NavCom s/n 35241 and KI-208 Indicator s/n 68276. Installed Icom IC-A210 Com s/n 2103316. Tested for proper operation.

*[Signature]*  
**AVIONICS UNLIMITED, INC.**  
 FAA CRS #VUER010Y



# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

11-8-2011: ~~HOBBS~~ 1145.4  
TACH

**11-08-2011 diamond DA 20C N5922S SN C-0273**

~~HOBBS~~: 1145.4 TTAF 1145.4

TACH

Removed all fairings, plates, covers. Inspect and lube all flight control components. Inspected wheels, tires, and brakes. Serviced both brakes Checked all lighting good. Inspect propeller, torque and spinner. Removed elt. Tested per FAR 91-207 d and found satisfactory. Battery expires feb 2012. Inspected nose gear for proper restrictive torque and operation. Checked Airworthiness directives. Only one applies. AD 76-07-12 cw by ops test Of switch. Found good. Completed inspection using diamond checklist For annual inspection.

I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

*John M. Hammons*  
JOHN M. HAMMONS 456543146 IA

**12/07/12: TACH 1281.5 TTAF 1281.5 DIAMOND DA-20 N 5922S SN 273**

REMOVE COWLING, COVER PLATES BAGGAGE ACCESS CONTORL ACCESS. INSPECT AND LUBE FLIGHT CONTROLS. REMOVE TAIL FAIRINGS. INSPECT SECURITY OF T TAIL MOUNT AND STAB MOUNT. TESTED ALL LIGHTING GOOD. INSPECT AND TORQUE PROPELLER BOLTS. SPINNER CHECKED GOOD. INSPECTED LANDING GEAR AND TIRES OK. CHECKED TIGHTNESS OF FREE NOSE STEERING YOKE. BRAKES AND PADS CHECKED GOOD. INSPECTED AIR FILTER OK. REMOVE ELT. TEST UNIT PER FAR 91-207 D AND FOUND SATISFACTORY. BATTERY EXPIRES OCT 2014. INSPECTED ENGINE, MOUNTS, MUFFLER INTAKE AND EXHAUST SYSTEMS. NO LEAKS OF ANY KIND FOUND REPLACE AIRCRAFT BATTERY WITH NEW UNIT. REPLACE IGN BATTERY WITH NEW BATTERY. OIL NOT CHANGED DUE TO TIS. CLEANED ALL SPARK PLUGS AND INJECTORS. COMPLETED INSPECTION AND UPDATED AD LIST IAW ANNUAL INSPECTION CHECKLIST.

I CERTIFY THIS AIRCRAFT AND ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

*John M. Hammons*  
JOHN M. HAMMONS 456543146 IA







# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

N5922S  
2/18/2015

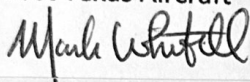
DA-20-C1  
Tach 1491.1

Ser# C0273  
Total Time 1491.1

Perform Annual Inspection according to 14CFR Part 43 App D and Diamond DA20 Maintenance Manual. Lube Rod Ends. Install New Brackett Air Filter Element. Service Brake Fluid. Inspect Wheels, Tires, Bearings and Brakes. Inspect ELT According to FAR 91.207(d) 1-4. Battery Due 2016. Check Torque On Propeller. I Certify That This Aircraft Has Been Inspected in Accordance With an Annual Inspection and Was Determined to be in Airworthy Condition.

Mark Whitfill  
East Texas Aircraft

AP 3311851 IA



N5922S  
3/29/2016

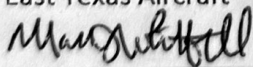
DA-20-C1  
Tach 1572.5

Ser# C0273  
Total Time 1572.5

Perform Annual Inspection according to 14CFR Part 43 App D and Diamond DA20 Maintenance Manual. Lube Rod Ends. Install New Brackett Air Filter Element. Service Brake Fluid. Remove Main Wheels, Grease Wheel Bearings, Clean Brake Studs and Calipers. Install Wheels. Remove Nose Wheel, Install New Tire, Remove Nose Gear Fork, Clean Assembly, Set Friction Adjustment And Safety According to DA20 Maintenance Manual Chapter 32-20-00. Inspect ELT According to FAR 91.207(d) 1-4. Battery Due 2016. Check Torque On Propeller. I Certify That This Aircraft Has Been Inspected in Accordance With an Annual Inspection and Was Determined to be in Airworthy Condition.

Mark Whitfill  
East Texas Aircraft

AP 3311851 IA









# **AIRCRAFT TECHNICAL LOGS**

## **Section 2. RECORD OF INSTALLATIONS & MODIFICATIONS TO AIRCRAFT**



AIRFRAME LOG

- 1. Nationality and Registration N5922S
- 2. Manufacturer's Designation DA20-C1
- 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)







Date: 18 May 2004 S/N: C0273 Reg. #: N5922S  
Engine S/N: 650050 Prop S/N: AF5436

**AWD Directives Checked Through to Issue 2004-11**

**Revision # 18 Service Bulletin Listing:**

- DAC1-24-01 – Generator Lower Attaching Bolt Replacement – N/A due to S/N
  - DAC1-24-04 – Generator Attachment Bracket – N/A by S/N
  - DAC1-24-05 – B & C Battery Retrofit – N/A
  - DAC1-28-01 – Type II Fuel System/ Pump Retrofit – N/A due to S/N
  - DAC1-28-02 – 2 Speed Electric Fuel Pump System – N/A by S/N
  - DAC1-52-01 – Canopy Seal Replacement – N/A due to S/N
  - DAC1-52-03 – Canopy Lock Cover Plate Installation – N/A due to S/N
  - DAC1-55-01A – Horizontal Stabilizer Attachment – C/W
  - DAC1-61-00A – Spinner Bulkhead and prop bolt torque – C/W
  - DAC1-61-01 Rev.3 – Sensenich W69EK7-63 Propeller Installation – C/W
  - DAC1-71-02 – Engine Mount to Firewall Washers – C/W during Mfg.
  - DAC1-74-01 – Ignition Harness Routing – C/W
  - DAC1-74-02 – Installation of magneto-starting vibrator battery – N/A by S/N
  - DAC1-76-01 – Mixture Cable Kinking – C/W
  - DAC1-79-01 – Power Plant Cooling – C/W
  - SID 98-10A – Procedures and specs for adjustment of Fuel Injection System – C/W
- NEXT INSPECTION DUE @ 100 HOURS**
- SSI 98-5 – TCM Replacement of Magnetos (superceded by SSI99-2) – N/A
  - SSI 98-6 – TCM Eng. Lifting Eye, Starter Motor Clutch Assy. Install – C/W
  - SSI 99-2 – Ignition System Upgrade – C/W
  - SSI 99-3 – N/A by starter type

- SSI-99-4 – TCM Ignition Harness Routing – C/W
- SSI 2001-01 – IO-240B Magneto Drive Gear – C/W
- SSI 2002-01 – Starter and Cluster Gear – C/W
- SSI 2002-05 – Replacement of Manifold Valvespring – C/W during Mfg of A/C.
- SIL 00-11 – Cylinder induction port drain connector – C/W
- AD - ACS 92-01 – Insp. of ACS ignition switches – Initial inspection C/W in manufacture.
- Garmin AD 99-CE-87-AD – GNS 430 Incorporate circuitry changes – N/A
- Garmin SB-0204 – GNS 430, GNS 530 update of software – N/A
- Garmin SB-0207 – Removal of Excessive Solder from Comm Board Vias – N/A
- Garmin SB-0209 – GMA 340 mod 4 optional. Factory Mod Only – N/A
- Garmin SB-0213 – GMA 340 mod 7 one time. Factory Mod Only – N/A
- Garmin SB-0215 – Update Comm board Software – Advisory Only.
- Garmin SB-0218 – GNS 430, GNS 530 Update of Software – N/A
- Garmin SB-0219 – GTX 327 Update Software – N/A
- Garmin SB-0223 – GTX 330 Upgrade Software – N/A
- Garmin SB-0224 – GNS 430/530 w/ GTX 330 software (TIS capab.) – N/A
- Garmin SB-0225 – GTX 330/330D Upgrade Software – N/A
- Garmin SB-0301 – GTX 327 Upgrade Software – N/A
- Garmin SB-0304 – GTX 330 Upgrade Software – N/A
- Garmin SB-0308 – GNS 430/530 Update of Software – N/A
- Airborne AD 98-23-01 – Inspection/replacement of dry air pump flexible couple – N/A
- Hoffmann – E 0110.74 – Owners manual – Fixed pitch models – N/A
- Hoffmann – 61-12-04 SL E4B – All Hoffmann Props, Leading edge erosion tape – N/A
- TCM CSB 01-01 – Fuel pump inspection and seal leak test – N/A by P/N, fuel pump has only one boss.

**NEXT TORQUE DUE AT FIRST 25 FLIGHT HOURS**

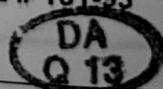
The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

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

Signature



Lic. Or Stamp









LEAVENS  
XE 84/75