

The United States of America
Department of Transportation
Federal Aviation Administration
Washington, D.C.

E352389

No. _____

Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (s) of the Federal Aviation Administration, Number E7SO has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product:

Aircraft Engine

Manufacturer:

Teledyne Continental Motors
Mobile, Alabama U.S.A.

ENGINE LOG

1. Make CONTINENTAL
2. Model IO 240 B
3. Specification IE-32
4. Manufacturer's Serial Number 806122
5. Date of Manufacture MARCH 29, 1999
6. Aircraft Inspection Cycle _____

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
July 9, 1999	0	0	00	00	ENGINE INSTALLED NEW, DIAMOND DA 20-C1, ENGINE INSTALLATION INSPECTED I.A.W. DIAMOND W.O. # 999 - 89 ENGINE SET-UP AND FUEL SYSTEM ADJUSTMENT CARRIED OUT. I.A.W. TCM MAINTENANCE MANUAL X30621A, SECTION 23-2. ENGINE SERVICED WITH 6 QTS. OF PHILIPS 20W50 TYPE "M" ENGINE OIL. FUEL SYSTEM SET-UP, GROUND RUNS CARRIED OUT. ENGINE BREAK-IN I.A.W. TCM MAINTENANCE MANUAL SECTION 23-3, FLIGHT TEST COMPLETED. TACH TIME 6.3 HOURS.
July 23, 1999	5	2	5	2	
9 Dec 99			6	3	Diamond Date: 09 Dec. 99 S/N: C0089 Reg: N989CT WO#: DA-C1-089-CC Tach: 6.3 Engine S/N 806122 DAC1-74-01 Ignition Harness routing c/w SSI-99-3 TCM Starter pinion gear, bearing and crankshaft cluster Gear inspection c/w and found to be within acceptable limits. <p style="text-align: center;">NEXT INSPECTION DUE @ 100 HOURS.</p> SSI-99-4 - TCM Ignition Harness Routing - c/w. Starter P/N 654046H S/N B119907AA removed and replaced with new P/N 655551 S/N K199915AA per manufacturers instruction. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. <p style="text-align: center;">DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div>Signature <u>N. Ault</u></div> <div>Lic or Stamp </div> </div>
21 Dec					
					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

SERIAL # C0089

Mark Hunt

DA
Q 17

Mark Hunt

DA
Q 17

Date 9 DEC 99 Engine Time 6.3 hrs.

Installed the TAS-100 preheater system S/N 30522 in accordance with Tanis Aircraft Services instructions and drawings No. 2163 & INSTRUCTION # 146.

Name N. Aultine Mechanic#

DA
R021




MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
2000					
BROUGHT FORWARD →					
2/17/00			23	9	Installed TCM EQ 6288 starter But clutch s/n 0001043 motor s/n 6012104 this date
					David Blandford Teledyne Continental Motors MMF 322-10
2/17/00			23	9	Changed oil & filter GRTS Racells 20W50 MINERAL New CH48108 filter inspected Engine in accordance with DA 20-01 maintenance check list 100HR Fuel H/Ls AP 2089762
5-18-00					Changed oil & filter GRTS A1020 15W50 New CH48108 filter inspected engine 1M/DA 20-01 check list
8-14-2000					Fuel H/Ls AP 2089762 Replaced starter drive with Newton parts
11-2-00			70	2	Changed oil & filter New CH48108 filter GRTS A1020 20W50 replaced spinner bulk head and removed skid A1020 DAC1-61-00A
2-20-01			117	9	Fuel H/Ls AP 2089762 Changed oil and filter Replaced #2 EXHAUST PIPE INSTALLED 815W/EXHAUST CASSETS AND 4 NEW EXHAUST PIPE TO MOTOR CLAMP SETS I certify that THIS ENGINE HAS BEEN INSPECTED IN ACCORD ANCE WITH AN 100HR INSPECTION AND WAS CERTIFIED FORWARD TO BE IN AIRWORTHY CONDITION Fuel H/Ls AP 2089762 FA 2-20-01 JTK29
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

2

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
4-6-01 REMOVED MAGNETOS IAW SSF-2001-1 INSPECTED REPLACED NAS 1149C063 2R WASHERS AND INSPECTED REINSTALLED GARS WITH IN LIMITS AT THIS TIME TT 124.1		AP 2088762
Changed oil & filter NAL CH 48116 Filter 6QTS Aero Shell 15W50 10-25-01 TT 137.1		AP 2098762
		

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
12-14-01					<p>ENGINE INSPECTED IN ACCORDANCE WITH DA 20-C1AMM</p> <p>Date: 12-14-01 Total time: 1.41</p> <p>I certify that this ENGINE has been inspected in accordance with a <u>100%</u> inspection and was determined to be in airworthy condition.</p> <p style="text-align: right;"><i>Paul Helle</i> #2099762</p>
4-4-02					<p>Oil Change <u>6</u> Quarts <u>15-50 Aeroshell</u> <u>CH48108</u> Filter <u>APPROVED BRANCH</u></p> <p>Date: 4-4-02 <u>146.9</u> <u>TSC</u> <u>APR FLYING ELEMENT</u></p> <p style="text-align: right;"><i>Paul Helle</i> #2099762</p>
4-23-02	150	1			<p>REMOVED OIL FILTER DUE TO HIGH OIL TEMPS. REPLACED WITH NEW CH48108 TEST FLOWN OIL TEMP RETURN TO NORMAL</p> <p style="text-align: right;"><i>Paul Helle</i> #2099762</p>
2-4-03	177	0			<p>ENGINE INSPECTED IN ACCORDANCE WITH DA-20-C1AMM NAVOAC</p> <p>CHANGED OIL & FILTER 6 QTS AEROSOL 15W50 NEW CH48108 FILTER</p> <p>Date: 1-4-03 Total Time: 177.0</p> <p>I certify that this engine has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.</p> <p style="text-align: right;"><i>Paul Helle</i> #2099762</p>
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

3

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

SIGNATURE

LICENCE
NUMBER

CHANGED OIL & FILTER 6QTS
AEROSHELL 15W50 NEW CH48108
FILTER 9-9-03 TT 189.3

Michael H. Wells N2099762

CHANGED OIL & FILTER 6QTS AEROSHELL 15W50
NEW CH48108 CHECKED COMPRESSION OIL
CLEANED SPARK PLUGS INSPECTED IAW DA-20-C1A

MANUAL

Date: 3-24-04

Total Time: 200

I certify that this engine has been inspected in accordance with a
100 hr inspection and was determined to be in airworthy condition.

Michael H. Wells N2099762

Airtolin engine logbook entry N989CT tach time 218.3 3-2-05
Changed oil and filter 6qts AeroShell 15W50 new ch48108 filter
Cleaned spark plugs checked compression 1 76/80 2 78/80
3 78/80 4 78/80 inspected IAW DA-20-C1A manual
run up leak check ok I certify that this engine has been inspected
in accordance with an 100 hr inspection and was determined to
be in Airworthy condition Michael H. Wells A&P2099762
tt. engine 218.3

Michael H. Wells 3-2-05

Airtolin Inc. N989CT TT 233.3 6/22/06 TT Engine 233.3
Changed oil and filter added 6qts Aeroshell 15W50
New CH48108 filter cleaned spark plugs checked
Compression 1 76/80 2 74/80 3 77/80 4 76/80
Run up leak check inspected using DA-20-C1A inspection
Check list I certify that this engine has been inspected in
Accordance with an 100HR inspection and was determined to
Be in Airworthy condition Michael H. Wells A&P2099762

Michael H. Wells

Air Tolin

Lunken Airport

Cincinnati, Ohio

513-871-8235

N989CT 7/26/07 TT245.5 TTSN. 245.5

changed oil and filter added 6qts Aeroshell 15W50
new CH48108-1 checked compression 1 73/80 2 76/80
3 75/80 4 75/80 checked magneto timing cleaned
spark plugs run up leaked checked operation ok
inspected engine using DA20-C1 inspection guide
I certify that this engine has been inspected in accordance
with an 100Hr inspection and was determined to be in
airworthy condition Michael H. Wells A&P2099762

MAXIMUM

Michael H. Wells

ENGINE SERVICE AND

[illegible]

A & M Maintenance Services, Inc. – 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: ECLIPSE DA20-C1
"N" #: N 989 CT
DATE: 10/22/2009

TACH TIME: 255.1 Hrs.
ENGINE TT: 255.1 Hrs.

At this time the defective starter, P/N 634464 (MZ4214), S/N A042067, was removed and a serviceable starter, P/N 634464 (MZ4214), S/N 6012099, was installed. Ground ran and ops checked normal.

-END

John J. Blaha, Jr.
AP 2238954

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

CARRIED FORWARD

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 11/12/2009

TACH TIME: 259.4 Hrs.
ENGINE TT: 259.4 Hrs.


At this time, the ENGINE was cleaned for inspection. All components were inspected in accordance with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Teledyne-Continental Service Manuals. A compression test was performed with the following results: #1 - 73/80, #2 - 74/80, #3 - 74/80, and #4 - 74/80. The engine oil was drained, and the oil filter was cut and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The spark plugs were cleaned, gapped, tested, and rotated. The mag to engine timing was checked. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected, and installed. The fuel pump was installed after repair by G & N Aircraft W/O# 66490, dated 11/10/2009. The rocker box cover screws, induction clamps and nuts were tightened as required. The engine was washed and run - no leaks were noted. All AD's checked thru bi-weekly 2009-22.

-----END-----

I certify this ENGINE has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition


Jeremy D. Brzycki
AP 2773579

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Marilina Angarone
AP 344688075 IA

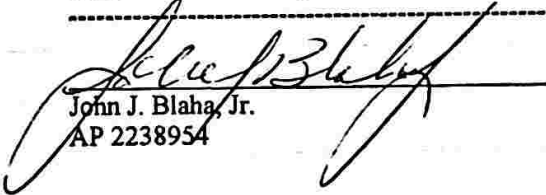
A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL.

TYPE: ECLIPSE DA20-C1
"N" #: N 989 CT
DATE: 12/11/2009

TACH TIME: 272.9 Hrs.
ENGINE TT: 272.9 Hrs.

At this time the fuel manifold, P/N 646908-12A6, S/N A059904C, was removed and reinstalled after repair by G & N Aircraft, Inc., W/O# 66,544, dated 12/09/09. Ground ran and checked for leaks - none noted. Ops checked normal.

-----END-----


John J. Blaha, Jr.
AP 2238954

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

DA

OR COMPLETE

BROL
FORM

TYPE: ECLIPSE DA20-C1
"N" #: N 989 CT
DATE: 12/11/2009

TACH TIME: 272.9 Hrs.
ENGINE TT: 272.9 Hrs.

AD 2009-24-51, effective upon receipt, dated 11-16-2009, on hydraulic lifters, with reference to Teledyne Continental MSB09-8, does not apply. No lifters replaced nor no work performed since effected date (June 19, 2009).

AD 2009-24-52, effective upon receipt, dated 11-16-2009, on hydraulic lifters, with reference to Teledyne Continental MSB09-8, does not apply. No lifters replaced nor no work performed since effected date (June 19, 2009).

END

John J. Blaha, Jr.
AP 2238954

Tach: 292.3

1-20-10

Serviced engine w/ 6 quarts
Aerolube 15W50. Inspected
oil filter - installed new
CH 48108 filter. Removed fuel
pump + sent for overhaul.
Reinstalled pump P/N 653351-2
S/N B119910. Set fuel press JAW
TCM SID 97-3 E
Mark Toner ATP 3332026

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 05-20-2010

TACH TIME: 364.9 Hrs.
ENGINE TT: 364.9 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted.

END

Adam J. Cote
AP 3035886

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

OVERHAUL

CUSTOMER
Signature

Continental Fuel System

MAINTENANCE RECORD

ENTRIES:

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 08/05/2010

TACH TIME: 391.3 Hrs.
ENGINE TT: 391.3 Hrs.

At this time, the throttle body, P/N 653098-1, S/N B119910A, was removed and reinstalled after overhaul by G & N Aircraft, Inc., W/O# 67075, dated 08/03/2010, and the engine driven fuel pump P/N 653351-2, S/N B119910B, were removed and reinstalled after inspection and set to spec. by G & N Aircraft, Inc., W/O# 67075, dated 08-03-2010. Ground ran and set fuel flows, idle speed and idle mixture.

-----END-----

John J. Blaha Jr.
John J. Blaha Jr.
AP 2238954

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 08/28/2010

TACH TIME: 395.2 Hrs.
ENGINE TT: 395.2 Hrs.

At this time, the fuel flows, idle speed and idle mixture, were rechecked and adjusted as needed.

-----END-----

John J. Blaha Jr.
John J. Blaha Jr.
AP 2238954

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 11/12/2010

TACH TIME: 421.9 Hrs.
ENGINE TT: 421.9 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted.

-----END-----

John J. Blaha Jr.
John J. Blaha Jr.
AP 2238954

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

MAINTENANCE RELEASE

Type of Unit Throttle body Make TCM
653098-1

ENGINE SERVICE AND

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

DATE

BROUGHT
FORWARD

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 02/08/2011

TACH TIME: 436.2 Hrs.
ENGINE TT: 436.2 Hrs.

COMPLETE

At this time, the ENGINE was cleaned for inspection. All components were inspected in accordance with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Teledyne-Continental Service Manuals. A compression test was performed with the following results: #1 - 70/80, #2 - 72/80, #3 - 71/80, and #4 - 74/80. The spark plugs were cleaned, gapped, tested, and rotated. The mag to engine timing was checked and adjusted as needed. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected, and installed. The fuel finger screen was inspected - no contamination noted. The rocker box cover screws, induction clamps and nuts were tightened as required. The engine was washed and run - no leaks were noted.

AD 2010-11-04, effective 06/16/2010, to prevent excessive hydraulic lifter wear, does not apply because no lifters replaced since June 19, 2009. All AD's checked thru bi-weekly 2011-02.

END

I certify this ENGINE has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition

Adam J. Cote

Adam J. Cote
AP 3035886

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Marilina Angarone

Marilina Angarone
AP 344688075 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 06/02/2011

TACH TIME: 463.4 Hrs.
ENGINE TT: 463.4 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted. Checked and adjusted fuel flows, idle speed and idle mixture.

END

John J. Blaha, Jr.

John J. Blaha, Jr.
AP 2238954

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: ECLIPSE DA20-C1
"N" #: N 989 CT
DATE: 07/22/2011

TACH TIME: 482.6 Hrs.
AIRFRAME TT: 482.6 Hrs.

At this time, the aircraft battery was removed and a new Gill, P/N G35-M S/N G02291150, battery was serviced charged and installed. Ops check normal.

END

Adam J. Cote

Adam J Cote
AP 3035886

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

6

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

SIGNATURE

LICENCE
NUMBER

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 10/06/2011

TACH TIME: 513.8 Hrs.
ENGINE TT: 513.8 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted. Checked and adjusted idle speed and idle mixture.

END

John J. Blaha, Jr.
John J. Blaha, Jr.
AP 2238954

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 03/09/2012

TACH TIME: 541.2 Hrs.
ENGINE TT: 541.2 Hrs.

At this time, the ENGINE was cleaned for inspection. All components were inspected in accordance with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Teledyne-Continental Service Manuals. A compression test was performed with the following results: #1 - 70/80, #2 - 72/80, #3 - 71/80, and #4 - 71/80. The engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The spark plugs were cleaned, gapped, tested, and rotated. The Slick 500-hour mag check was performed. Both mags were removed, cleaned, replaced carbon brushes in both mags, replaced cam in LH mag, internally timed, and timed to the engine. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected, and installed. The rocker box cover screws, induction clamps and nuts, and exhaust hardware were tightened as required. The engine was washed and run - no leaks were noted. All AD's checked thru bi-weekly 2012-04. END

I certify this ENGINE has been
inspected in accordance with a
100-HOUR INSPECTION and was
determined to be in an airworthy condition

I certify this ENGINE has been
inspected in accordance with an
ANNUAL INSPECTION and was
determined to be in an airworthy condition.

Nelson E. Cadwallader
Nelson E. Cadwallader
AP 3466454

Marilina Angarone
Marilina Angarone
AP 344688075 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 08/23/2012

TACH TIME: 597.4 Hrs.
ENGINE TT: 597.4 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted. Checked idle speed and idle mixture.

END

John J. Blaha, Jr.
John J. Blaha, Jr.
AP 2238954

ENGINE SERVICE AND

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

FOR COMPLETE

BR
FC

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 12/17/2012

TACH TIME: 623.9 Hrs.
ENGINE TT: 623.9 Hrs.

At this time, the starter, ElectroSystems MZ-4214 S/N 6012099, was removed and a new starter, Sky Tec C12ST2 S/N 2CC-391202, was installed using a new gasket. The weight and balance was revised this date to reflect this change. The engine was ground ran and checked for leaks, none noted.

END

Adam J Cote
AP 3035886

FAA - PMA

This tag certifies that Sky-Tec Model No. **C12ST2**
Serial No. **2CC-391202** was manufactured new on **05 Oct 2012**
by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement
No. **5** per CFR14 Part 21 in accordance with Sky-Tec's
FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and
conforms to the relevant FAA-approved drawings. This part has been
determined to be airworthy.
For installation eligibility see www.skytecair.com/eligibility.htm
Starter Installed on **N 989CT** by **Adam J Cote**
(Aircraft) (Mechanic)

Form CC1108-1

Date: 12/31/2012, Aircraft: N989CT, Type: DA 20-C1, S/N: C0089, Hobbs: 0.0, Tach: 627.0, Total Time: 0.0
WO#: O-12-0088

Discrepancy 1: Battery Evaluation

Corrective Action 1: Removed Battery P/N G-35M, S/N G02291150, Serviced And Charged As Needed.
Reinstalled Battery. Ground Ran Aircraft, Voltage Checked Volts.

Discrepancy 2: Starter Inoperative

Corrective Action 2: Removed Skytec Starter Model C12ST2 s/n 2CC-391202. Installed Sky Tec Factory New
model C12ST2 S/n 2CC-431222 per SkyTec Installation Instructions. Torqued lower 3 nuts to 180-220 inch lbs
and upper 2 bolts to 155-175 inch lbs and safetied. Operational test and leak test good. No oil leaks noted.
(Owner supplied part)

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in
accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is
approved for return to service. Pertinent details of the repair are on file.

Signed: **Madley J Long** Dated: **12/31/2012** A&P **3280148**
Tri-State Aero OWE Owensboro, KY 42301 Phone: 270-663-2344

TOTAL THH:

TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE

REPAIRS, ADJUSTMENTS, AND
ENTRIES. DRAW A DIAGONAL LINE THROUGH THE



1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINESS		
4. Organization Name and Address: Sky-Tec Partners Ltd, 350 Howard Clemmons Rd, Granbury, TX 76049				
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:
1.	Starter	C12ST2	N/A	10
13. Remarks: Airworthiness				
14. Certifies the items identified above were manufactured in accordance with the applicable FAA-approved drawings.				

IMPORT

FAA - PMA

This tag certifies that Sky-Tec Model No. **C12ST2**
Serial No. **2CC-431222** was manufactured new on **01 Nov 2012**
by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement
No. **5** per CFR14 Part 21 in accordance with Sky-Tec's
FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and
conforms to the relevant FAA-approved drawings. This part has been
determined to be airworthy.

For installation eligibility see www.skytecair.com/eligibility.htm

Starter Installed on **N 989CT** by **Medley**
(Aircraft) (Mechanic)

AP3280148 12/31/2012

Form CC1108-1

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 03/22/2013

TACH TIME: 635.7 Hrs.
ENGINE TT: 635.7 Hrs.

FOR COMPLETE

At this time, the ENGINE was cleaned for inspection. All components were inspected in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Teledyne-Continental Service Manuals. A compression test was performed with the following results: #1 - 72/80, #2 - 74/80, #3 - 75/80, and #4 - 78/80. The engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The oil pressure relief valve was removed, cleaned, and reinstalled. The spark plugs were cleaned, gapped, tested, and rotated. The mag to engine timing was checked and the RH mag was adjusted as needed. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected, and installed. The rocker box cover screws, induction clamps and nuts, and exhaust hardware were tightened as required. The engine was washed and run - no leaks were noted. All AD's checked thru bi-weekly 2013-04. -----

END

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Marilina Angarone
Marilina Angarone
AP 344688075 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 11/02/2013

TACH TIME: 700.4 Hrs.
ENGINE TT: 700.4 Hrs.

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was washed and run - no leaks were noted. The engine driven fuel pump, P/N 653351-2, S/N B199910B, was removed for repair and reinstalled after repair by G & N Aircraft, Inc., W/O # 69920, dated 10/16/13, and W/O # 69948, dated 10/29/13, using new gaskets. Set idle speed, idle mixture and fuel flows. Ground ran and ops checked normal - no leaks noted at this time

END

John J. Blaha, Jr.
John J. Blaha, Jr.
AP 2258954

REPAIR ONLY

Only the labor operations requested by the customer have been accomplished on this part. The customer must complete the inspection and repair of this part before using. G & N Aircraft, Inc., assumes no liability of any nature of the performance, use or operation of this part due to customer not requesting complete inspection and overhaul. Details of repair on work order no.

69948
dated 10-29-2013
file at this agency are on

[Signature]
Authorized Signature

G & N Aircraft

1701 East Main St., Griffith, IN 46319
F.A.A. Approved Repair Station No. MW2R020L

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MAINTENANCE RECORD

8

ENTRIES. DRAW A

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

SENCE
IMBER

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 12/20/2013

TACH TIME: 710.7 Hrs.
ENGINE TT: 710.7 Hrs.
ENGINE S/N: 806122

At this time, the Sensenich propeller M/N: W69EK7-633 S/N: AD9850 was removed and an overhauled MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was installed on N989CT S/N: C0089 in accordance with STC SA03373AT and MT-Propeller installation instructions Doc. No. E-1343 Rev 5, dated 04/01/2009. See FAA Form 337 this date and the new revised weight and balance. -----

-----END-----

Marilina Angarone
Marilina Angarone
AP 344688075

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 04/01/2014

TACH TIME: 731.4 Hrs.
ENGINE TT: 731.4 Hrs.
ENGINE S/N: 806122

At this time, the ENGINE was cleaned for inspection. All components were inspected in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Teledyne-Continental Service Manuals. A compression test was performed with the following results: #1 - 74/80, #2 - 74/80, #3 - 73/80, and #4 - 76/80. The engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The spark plugs were cleaned, gapped, tested, and rotated. The mag to engine timing was checked. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected, and installed. The rocker box cover screws, induction clamps and nuts, mag nuts, and exhaust hardware were tightened as required. The engine was run - no leaks were noted. All AD's checked thru bi-weekly 2014-06. -----

-----END-----

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Marilina Angarone
Marilina Angarone
AP 344688075 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 09/08/2014

TACH TIME: 786.0 Hrs.
ENGINE TT: 786.0 Hrs.
ENGINE S/N: 806122

At this time, the engine oil was drained, and the old oil filter was removed, cut open and inspected - no contamination noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter. The engine was run - no leaks were noted. -----

-----END-----

Marilina Angarone
Marilina Angarone
AP 344688075

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

PLETE

BROUGHT
FORWARD

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 04/27/2015

TACH TIME: 811.8 Hrs.
ENGINE TT: 811.8 Hrs.
ENGINE S/N: 806122

At this time, the ENGINE was cleaned for inspection. All components were inspected in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Continental Engines Service Manuals. A compression test was performed with the following results: #1 75/80, #2 74/80, #3 76/80, and #4 74/80. The engine oil was drained, and the oil filter was removed, cut open, and inspected for contamination, none noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter was installed. The spark plugs were replaced with new, Sea P/N URHM-38-E. The magneto to engine timing was checked, no adjustment needed. The ignition leads were cleaned and tested. The rocker cover screws, induction clamps and nuts, magneto nuts, and exhaust hardware were checked for proper torque and tightened as needed. The engine was ground run and checked for leaks, none noted. All AD's checked thru bi-weekly 2015-07.

END

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

Adam J Cote
Adam J Cote
AP 3035886 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 08/27/2015

TACH TIME: 828.5 Hrs.
ENGINE TT: 828.5 Hrs.

At this time, the engine driven fuel pump, P/N 653351-2, S/N B119910B, was removed and reinstalled after repair by G & N Aircraft, Inc., W/O # 71250, dated 08/20/15. The pump was installed using a new gasket. The engine was ground run, the idle speed and idle mixture was set, and the unmetered and metered fuel pressures were set in accordance with Continental Motors Maintenance Manual M-6 Chapter 6-3.7.3.3.1. The engine was checked for leaks, none noted.

END

Adam J Cote
Adam J Cote
AP 3035886

FAA - PMA

This tag certifies that Sky-Tec Model No. C12ST2
Serial No. 2CC-091612 was manufactured new on 29 Feb 2016
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. 5 in accordance with Sky-Tec's
FAA-Approved Quality System (14CFR Part 21, Subpart K).
This article has been determined to be airworthy.
For installation eligibility see www.skytecair.com/eligibility.htm
Installed on N 989CT by *[Signature]*
(Aircraft) (Mechanic)

Form CC1108-1

CAR

TOTAL THIS PAGE

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PREVIOUS SUMMARY

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MAINTENANCE RECORD

9

ENTRIES. I

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 05/01/2016

TACH TIME: 853.8 Hrs.
ENGINE TT: 853.8 Hrs.
ENGINE S/N: 806122

At this time, the ENGINE was cleaned for inspection. All components were inspected with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Continental Engines Service Manuals. A compression test was performed with the following results: #1 77/80, #2 76/80, #3 74/80, and #4 75/80. The engine oil was drained, and the oil filter was removed, cut open, and inspected for contamination, none noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter was installed. The spark plugs were removed, cleaned, inspected, gapped, and rotated. The magneto to engine timing was checked, no adjustment needed. The ignition leads were cleaned and tested. The fuel injectors were removed, cleaned, inspected and reinstalled. The rocker cover screws, induction clamps and nuts, magneto nuts, and exhaust hardware were checked for proper torque and tightened as needed. The engine was ground run and checked for leaks, none noted. All AD's checked thru bi-weekly 2016-08.

END

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 05/01/2016

TACH TIME: 853.8 Hrs.
ENGINE TT: 853.8 Hrs.
ENGINE S/N: 806122

I certify that this ENGINE has been inspected in accordance with a
100-HOUR INSPECTION and was determined to be in an airworthy condition.

Timothy T. Quigley
Timothy Thomas Quigley
AP 3651605

I certify that this ENGINE has been inspected in accordance with an
ANNUAL INSPECTION and was determined to be in an airworthy condition.

John J. Blaha Jr.
John J. Blaha Jr.
AP 2238954 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 01/27/2016 2017 DNL

TACH TIME: 881.6 Hrs.
AIRFRAME TT: 881.6 Hrs.
AIRCRAFT S/N: C0089

At this time, the Sky Tec Starter P/N: C12ST2 S/N: 2CC-431222 was removed and a new Sky Tec Starter P/N: C12ST2 S/N: 2CC-091612 was installed. Ops check - normal. The o-ring for the fuel selector fuel drain was replaced P/N: MS29513-006, ops check - normal.

END

John J. Blaha Jr.
John J. Blaha Jr.
AP 2238954

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

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

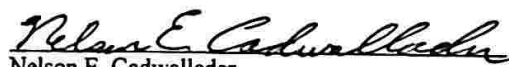
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 02/16/2017

TACH TIME: 883.2 Hrs.
ENGINE TT: 883.2 Hrs.
ENGINE S/N: 806122

At this time, the oil pressure relief valve was removed, cleaned, inspected and reinstalled using new gasket. Ground ran and ops checked normal.

-----END-----


Nelson E. Cadwallader
AP 3466454

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL


TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 05/26/2017

TACH TIME: 891.3 Hrs.
ENGINE TT: 891.3 Hrs.
ENGINE S/N: 806122

At this time, the ENGINE was cleaned for inspection. All components were inspected with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Continental Engines Service Manuals. A compression test was performed with the following results: #1 74/80, #2 74/80, #3 76/80, and #4 76/80. The engine oil was drained, and the oil filter was removed, cut open, and inspected for contamination, none noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter was installed. The spark plugs were removed, cleaned, inspected, gapped, and rotated. The magneto to engine timing was checked, no adjustment needed. The ignition leads were cleaned and tested, all found to be OK. The #1 cylinder ignition lead was repaired. The fuel injectors were removed, cleaned, inspected and reinstalled. The rocker cover screws, induction clamps and nuts, magneto nuts, and exhaust hardware were checked for proper torque and tightened as needed. The engine was ground run and checked for leaks, none noted. All AD's checked thru bi-weekly 2017-10.

-----END-----

I certify that this ENGINE has been inspected in accordance with a
100-HOUR INSPECTION and was determined to be in an airworthy condition.


Daniel Szakovits
AP 3959453

I certify that this ENGINE has been inspected in accordance with an
ANNUAL INSPECTION and was determined to be in an airworthy condition.


Marilina Angarone
AP 3828657 IA

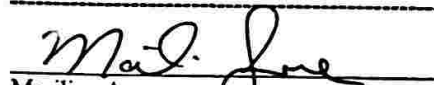
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 07/19/2017

TACH TIME: 900.9 Hrs.
ENGINE TT: 900.9 Hrs.
ENGINE S/N: 806122

At this time, the MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was removed and the original Sensenich propeller M/N: W69EK7-633 S/N: AD9350 was installed after repair by Sensenich Wood Propeller Co W/O# R070714-1 dated 10/06/2014 on N989CT S/N: C0089.

-----END-----


Marilina Angarone
AP 3828657

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TOTAL PREVIOUS

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MAINTENANCE RECORD

10

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

SIGNATURE

LICENCE
NUMBER


A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 10/18/2017

TACH TIME: 924.7 Hrs.
AIRCRAFT TT: 924.7 Hrs.
AIRCRAFT S/N: C0089

At this time, the Sensenich propeller M/N: W69EK7-63 S/N: AD9350 was removed and the MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was installed on N989CT S/N: C0089 after overhaul by MT-Propeller USA, Inc W/O# 17-371MT dated 28/Sept/2017. -----

END


Marilina Angarone
AP 3828657

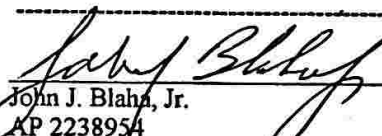
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1
"N" #: N 989CT
DATE: 05/24/2018

TACH TIME: 956.3 Hrs.
ENGINE TT: 956.3 Hrs.
ENGINE S/N: 806122

At this time, the flow divider, P/N 646508-12A6, S/N A059904C, was removed and reinstalled after repair by G & N Aircraft, Inc., W/O# 73173, dated 05/23/2018. The idle speed and idle mixture were set.

END


John J. Blaha, Jr.
AP 2238954

REPAIR ONLY

Only the labor operations requested by the customer have been accomplished on this part. The customer must complete the inspection and repair of this part before using. G & N Aircraft, Inc., assumes no liability of any nature of the performance, use or operation of this part due to customer not requesting complete inspection and overhaul. Details of repair on work order no.




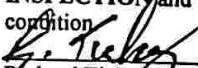
23173
dated 05-23-2018 are on file at this agency


Authorized Signature

G & N Aircraft
1701 East Main St., Griffith, IN 46319
F.A.A. Approved Repair Station No. MW2R020L

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE															
	HRS.	MIN.	HRS.	MIN.																
BROUGHT FORWARD																				
A & M Maintenance Services, Inc. - 1C5 Clow International Airport, Bolingbrook, IL																				
	TYPE: DIAMOND DA20-C1		TACH TIME: 958.9 Hrs.																	
	"N" #: N 989CT		ENGINE TT: 958.9 Hrs.																	
	DATE: 06/13/2018		ENGINE S/N: 806122																	
<p>At this time, the ENGINE was cleaned for inspection. All components were inspected with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 and Continental Engines Service Manuals. A compression test was performed with the following results: #1 74/80, #2 72/80, #3 74/80, and #4 74/80. The engine oil was drained, and the oil filter was removed, cut open, and inspected for contamination, none noted. The engine was serviced with six quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 filter was installed. The spark plugs were removed, cleaned, inspected, gapped, and rotated. One plug was replaced, P/N URHM39E. The magneto to engine timing was checked, no adjustment needed. The ignition leads were cleaned and tested, all found to be OK. The fuel injectors were removed, cleaned, inspected and reinstalled. The rocker cover screws, induction clamps and nuts, magneto nuts, and exhaust hardware were checked for proper torque and tightened as needed. The engine was ground run and checked for leaks, none noted. All AD's checked through bi-weekly 2018-11.</p>																				
-----END-----																				
I certify that this ENGINE has been inspected in accordance with a			I certify that this ENGINE has been inspected in accordance with an																	
100-HOUR INSPECTION and was			ANNUAL INSPECTION and was																	
determined to be in an airworthy condition.			determined to be in an airworthy condition.																	
 Morgan Rink			 Nelson E. Cadwallader																	
AP 3870351			AP 3466454 1A																	
JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL																				
	TYPE: DA20-C1		Tach: 1011.8 HRS																	
	"N" #: N989CT		Engine TT: 1011.8 HRS																	
	DATE: 07/30/2019		Engine S/N: 806122																	
<p>At this time, the ENGINE was inspected with reference to a 100 HOUR/ANNUAL INSPECTION per Diamond Aircraft DA20-C1 and Continental Engines Service Manuals. A compression test was performed with the following results: #1 73/80, #2 72/80, #3 72/80, #4 74/80. The engine oil was drained, and the filter was removed, cut open, and inspected, no contamination noted. The engine was serviced with 6 quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 oil filter was installed. The spark plugs were removed, cleaned, inspected, and rotated. The engine was ground run and checked for leaks, none noted. All ADs checked through Bi-Weekly 2019-16.</p>																				
-----END-----																				
I certify that this ENGINE has been inspected in accordance with a 100 HOUR INSPECTION and was determined to be in airworthy condition.  Morgan Rink A&P 3870351			I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.  Richard Tichy A&P 1915599 1A																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">TOTAL THIS PAGE</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>TOTAL FROM PREVIOUS SUMMARY</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL SINCE MFG.</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						TOTAL THIS PAGE					TOTAL FROM PREVIOUS SUMMARY					TOTAL SINCE MFG.				
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MAINTENANCE RECORD

11

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

SIGNATURE

LICENCE
NUMBER

JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL

TYPE: DA20-C1

Engine: Continental IO-240-B

Tach: 1049.1 HRS

'N' #: N989CT

Engine TT: 1049.1 HRS

DATE: 08/07/2020

S/N: 806122

At this time, an ANNUAL INSPECTION was performed on this ENGINE in accordance with Diamond and Continental maintenance manuals. A compression test was performed with the following results: #1 76/80, #2 73/80, #3 75/80, #4 74/80. The engine oil was drained, and the filter was removed, cut open, and inspected, no contamination noted. The engine was serviced with 6 quarts of Phillips 20W50 X/C oil and one Champion CH48108-1 oil filter was installed. The spark plugs were removed, cleaned, inspected, and rotated. The engine was ground run and checked for leaks, none noted. Fuel injectors were removed, cleaned, inspected, and reinstalled. Magneto to engine timing was checked. Mixture was adjusted. All ADs checked through Bi-Weekly 2020-16.

-----END-----

I certify this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and has been determined to be in AIRWORTHY CONDITION.

Richard Tichy
Richard Tichy
A&P 1915593 IA

JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL

TYPE: DA20-C1

Engine: Continental IO-240-B

Tach: 1094.1 HRS

'N' #: N989CT

Engine TT: 1094.1 HRS

DATE: 08/02/2021

S/N: 806122

At this time, an ANNUAL INSPECTION was performed on the ENGINE in accordance with Diamond and Continental maintenance manuals. A compression test was performed with the following results: #1 68/80, #2 65/80, #3 73/80, #4 71/80. Engine oil was drained, and the filter was removed and replaced with a new Champion filter (P/N CH48110-1). Engine was serviced with 6 quarts of 20W50 Phillips X/C oil. Alternator belt was replaced with new. Engine was ground run, no defects noted. ADs were checked through Bi-Weekly 2021-16.

-----END-----

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and has been determined to be in AIRWORTHY CONDITION.

Richard Tichy
Richard Tichy A&P 1915593 IA

Date: 3/23/2022; Aircraft: 989CT; Type: DIAMOND KATANA; S/N: C0089; Tach: 1531.60

R&R 4 fuel injectors with new p/n 632147-1178, R&R 8 spark plugs with new p/n RHM38E. Adjusted idle mixture - test flight found OK.

Aircraft is approved for return to service.

All work performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

Gregory C. Smith
Gregory C. Smith 3618278 A&P

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
HRS.	MIN.	HRS.	MIN.	
5	14	8		TACH: 1146.1
				Changed oil & filter. Added 5 qts
				Phillips XC 20W50 & CH48108 filter. Added
				8oz Camgard. Cut open filter for inspection
				No leaks after engine run.
				<i>[Signature]</i> AEP 33248168

0-B

0-2022



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone 630 584 3200

DATE: 04 January, 2023
A/C TSN: 1155 6
ENG TT: 1155 6
TSMOH: 1155 6
TACH: 1155 6

Annual Inspection on this engine as per Diamond Aircraft DA20-C1 AMM 05-00 Inspection Chart for an Annual Inspection as a guide, Engines Stand Practice MM M-0 Inspection Checklist, and AC 43 13-1B Chapter 9. Compressions were tested as follows; #1-65, #2-66, #3-68 all over 80 PSI. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20w-50 X/C oil and a new filter. See the following items for additional service and repairs.
adjustment accomplished as per Continental Engines Standard Practice Maintenance Manual M-0 (Rev 1) 6-4.10.2.
nd reinstalled LH and RH magnetos, RH Slick P/N: 4309, SN: 99032795, LH Slick P/N: 4310, SN: 99032777, after Slick 500 Hr. inspection by G&N reference W/O #75254. Magnetos installed with new gaskets, P/N: LW-649954, as per Continental M-0 Standard Practice Maintenance Manual 10-5.3-5.4. Inspection next due 500 Hrs. TIS.

or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.6960 under Work Order No. 9944-08-2022, Dated 04 January, 2023.

2023

SIGNED: *[Signature]*

Timothy Quigley
Certified Repair Station No. NF2R029L

Work Order: 9944-08-2022

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0-B

03-2023



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone 630 584 3200

DATE: 23 March, 2023
A/C TSN: 1155 6
ENG TT: 1155 6
TSMOH: 1155 6
TACH: 1155 6

adjustment accomplished as per Continental Engines Standard Practice Maintenance Manual M-0 (Rev 1) 6-4.10.2.

liance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return. Details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10177-03-2023, Dated 23 March, 2023.

23

SIGNED: *[Signature]*

Timothy Quigley
Certified Repair Station No. NF2R029L

Work Order: 10177-03-2023

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PAGE

DM

MARY

G.

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

ENGINE MODEL: IO-240-B
ENGINE S/N: 806122
REG. NO: N989CT
WORK ORDER: 10448-09-2023



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 03 October, 2023
A/C TSN: 1205 9
ENG TT: 1205 9
TSMOH: 1205 9
TACH: 1205 9

Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 6 Qts. of Phillips 20W50 X/C oil and a new AA48108-2 filter. Ground ran and leak checked. Engine serviced with CamGuard Additive.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10448-09-2023, Dated 03 October, 2023.

DATE: 03 October, 2023

Work Order: 10448-09-2023

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SIGNED:

Timothy Quigley

Certified Repair Station No. NF2R029L

ENGINE MODEL: IO-240-B
ENGINE S/N: 806122
REG. NO: N989CT
WORK ORDER: 10613-02-2024



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 19 March, 2024
A/C TSN: 1223.4
ENG TT: 1223.4
TSMOH: 1223.4
TACH: 1223.4

Engine Entries

- 2 Completed an Annual Inspection on this engine as per Diamond Aircraft DA20-C1 AMM 05-00 Inspection Chart for an Annual Inspection as a guide, Continental Engines Stand Practice MM M-0 Inspection Checklist, and AC 43.13-1B Chapter 9. Compressions were tested as follows; #1-65, #2-70, #3-68 and #4-59, all over 80 PSI. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 6 Qts of Phillips 20w-50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.
- 16 Adjusted LH&RH magneto timing as per continental Standard practices manual Ch. 6-4.9.1.2..
- 18 Inspected all lifters as per SID05-01B. Installed 4 intake and 4 exhaust hydraulic lifters Superior Air P/N's: SA633106. All work accomplished as per Continental M.O manual M-6 (Rev.3). Gaskets and seals replaced as required. Engine ground ran and idle leak checked good.
- 19 Replaced all 8 engine shock mounts with new as per Diamond DA20 AMM (Rev. 25) Ch 71-20-00. installed new Lord Mounts, Lord P/N: J-3608-1. Replaced engine mount bolts with new 4ea P/N AN6-52A.

Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10613-02-2024, Dated 19 March, 2024.

DATE: 19 March, 2024

Work Order: 10613-02-2024

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SIGNED:

Timothy Quigley

Certified Repair Station No. NF2R029L

MAKE: Diamond Aircraft Ind
MODEL: DA 20-C1
S/N: C0089
REG. NO: N989CT
WORK ORDER: 10823-07-2024



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 19 July, 2024
A/C TSN: 1234 4
TACH: 1234 4

Airframe Entries

- 1 Removed generator P/N: 887-251 and replaced with P/N: 887-251 S/N: RC2402644 in accordance with CH 24-30-00 Diamond DA20-C1 Aircraft Maintenance Manual. Ops Checked good.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10823-07-2024, Dated 19 July, 2024.

DATE: 19 July, 2024

Work Order: 10823-07-2024

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SIGNED:

Timothy Quigley

Certified Repair Station No. NF2R029L

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE

TIME RUN

TIME SINCE
OVERHAUL

INSTALLATIONS, INSPECTIONS,

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

ENGINE MODEL IO-240-B
ENGINE S/N 806122
REG NO. N989CT
WORK ORDER: 11147-03-2025



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 24 April, 2025
A/C TSN: 1267.8
ENG TT: 1267.8
TSMOH: 1267.8
TACH: 1267.8

Engine Entries

- 2 Completed an Annual Inspection on this engine as per Diamond Aircraft DA20-C1 AMM 05-00 Inspection Chart for an Annual Inspection as a guide, Continental Engines Stand Practice MM M-0 Inspection Checklist, and AC 43.13-1B Chapter 9. Compressions were tested as follows; #1-70, #2-58, #3-61 and #4-63, all over 80 PSI. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 6 Qts of Phillips 20W50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.
- 14 Engine wash accomplished and ground ran. Leak check performed with no defects noted.

Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 11147-03-2025, Dated 24 April, 2025.

DATE: 24 April, 2025

SIGNED:

Timothy Quigley
Certified Repair Station No. NF2R029L

Work Order: 11147-03-2025

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