



**BANYAN AIR
SERVICE**

ONE STOP TOTAL SERVICE
Aircraft Maintenance

Fort Lauderdale Executive Airport
[REDACTED]

Fort Lauderdale, Florida 33309
[REDACTED]

ENGINE LOG
EF5-1

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. Engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. # 25067

DATED 4/29/2005

MFG. Continental

MODEL IO-520-CB-C-BB

Serial No. 576182

Time in svc.

Zephyr Aircraft Engines, Inc.

Municipal Airport

Zephyrhills, FL 33542

F.A.A. APPROVED REPAIR STATION #

Authorized Signature

Date: 06/24/05

Make: TCM

Model: IO520 CB-C-BB

S/N: 576182

Logbook Entry

Tach: 3866.09

TSMOH: 0.0 TT: 1740.31

Reg: N8616M

Removed this engine, sent to Zephyr Hills Aircraft Engines for overhaul WO# 28067, replaced mixture control cable, throttle cable rod end, r/h tail pipe, sent for repair r/h muffler, flame cone replacement, #2 CHT probe, #6 EGT probe, replaced JPI indicator with 701 model. Engine installed and tested I.A.W. Beechcraft MM and fuel pressures checked per TCM SID 97-3C. Run up and leak checked normal. See AD compliance paperwork. I certify this engine has been inspected I.A.W. an Annual inspection and found to be airworthy at this time.

William Gabay A/P [REDACTED] I.A.

Date: 07/06/06

Make: TCM

Model: IO 520-BB

S/N: 576182

Logbook Entry

Tach: 3886.81

TSMOH: 20.72

TTSN: 1761.03

Accomplished an Annual inspection of this engine, pulled and cleaned injectors, accomplished a compression check 70,72,73,74,73,73 respectively, replaced oil filter, inspected for anomalies, none, cleaned and gapped plugs, checked timing, drained oil and serviced with aviation oil, replaced the airfilter element, inspected the spinner and bulkhead. Run up leak check normal. I certify this engine has been inspected I.A.W. an **ANNUAL** inspection and found to be Airworthy. See compliance sheets.

William Gabay A/P [REDACTED] I.A.

SUNCOAST MAINT CNTR

██████████ Venice, Florida 34285

██████████ Fax ██████████

N877DM DATE 05-07-14 TACH 4033.55 TSMOH 167.43 ENGINE LOG

Ran up aircraft, compressions #1 70/80 #2 75/80 #3 73/80 #4 70/80 #5 74/80 #6 71/80
Removed and replaced oil filter, saftied. Inspected filter for metal, none found. Did not
change oil. r/r vacuum regulator filter b3-5-1, replaced air filter element with new.
Cleaned and inspected all spark plugs, Retorqued oil pressure relief valve housing,
saftied. Inspected fuel gascolator screen, Ran up aircraft, no defects noted in engine
operation at this time. **This engine has been inspected i/a/w an 100 hr inspection and
found to be in an airworthy condition at this time.** Lance Milko AP ██████████

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-27-14	Tach 406234	Drained oil. R/R Oil filter. Inspected filter for metal. None found. Serviced with Phillips 10W 20W-50 oil. Ran engine and checked for leaks [REDACTED] A+P [REDACTED]

N-877DM

Engine s/n: 576182

Tach: 4078.84

Eng. TT: 1952.75

TSMOH: 212.74

Date: 6/11/15

Ran up engine. Performed 100 hour inspection as per IA-520 MM, Chapter 5. Performed compression test and borescope inspection of all cylinders as per TCM SB03-03. No discrepancies noted. Compressions were: (1)-68/80, (2)-73/80, (3)-76/80, (4)-74/80, (5)-77/80, (6)-74/80. Performed visual inspection and leak test of all cylinders as per TCM SB96-12 with no discrepancies noted, cleaned, gapped and rotated spark plugs. Replaced engine oil filter. Filter opened and inspected for metal. None found, Oil not changed. Alternator removed and sent to Select Aircraft for inspection and test. As per Select Aircraft W/O 8640-00, alternator bearings and shaft seal replaced. Alternator reinstalled with new gasket. Fuel control fuel filter screen removed, cleaned, inspected and reinstalled with new gasket. Replaced air induction filter element with new part. Replaced flat washers at throttle and mixture control rod ends with correct Beech part (X100951X040ZL). Performed pressure leak test on left and right exhaust systems with heater shroud removed. No leaks noted. Replaced fuel pump cooling duct with new part. Lubricated engine controls. Ran up engine with no discrepancies noted.

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

John J. Prickett A&P

I certify this engine has been inspected in accordance with annual inspection and was found to be in airworthy condition.

Gary Hakom, A&P

08/26/2015 N877DM Engine S/N 576182 Tach 4078.86 TT 1957.68
TTSMOH 217.67

Removed six Continental fuel nozzles and installed General Aviation Modifications, Inc. GAMInjectors kit No. GAD13A, S/N 24699, as per STC No. SE09217SC and GAMInjectors Installation Procedure No. 1P-96-001 (Rev 005). Fuel system adjusted as per Continental SID97-3F. See FAA Form 337 this date.

Oil filter removed for access to fuel pump adjustments and replaced with new part. No metal found in old filter. Oil drained and refilled with 11 quarts Phillips XC 20/50W and 17 ozs Aviation Camguard. Ran engine with no leaks noted.

Previous JPI engine monitor installation was verified in compliance with STC SA2586NM and JPI Installation Manual for EGT-701, Rev E dated 01/20/09

[REDACTED] 08/26/15
John J. Prickett A&P [REDACTED]