

# Engine Maintenance & Inspection Records



N1417B

Beechcraft V35B

S/N: D-8550

## Engine Record

Date of Service: Jan 08, 2009

Shop Name: Custom Airmotive  
Shop Address: 20702 North Sheridan Road  
Building B

Shop Location: Tulsa, OK  
Shop Zip: 74115  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: 21320

Aircraft TTAf: 6798.32

Prop. TS New: 374.05

Engine TS New: 1437.80

Tach Time: 6798.32

Prop TS Overhaul: 374.05

Engine TS Overhaul: N/A

Engine TS Top: N/A

### ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

TT : \_ TSMOH\_2: 1\_ (test run time only)

MODEL\_ IO-520-BA\_ S/N\_ 249532-R\_

The aircraft engine identified above was repaired and inspected in accordance with manufacturers specifications and current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order number\_ 21320\_

Dated\_ Jan. 08 2009\_ Signed:

Custom Airmotive, Inc.

2702 North Sheridan Road (Bldg. B)

Tulsa, OK 74115

Ph. 918-836-6836 Fax 918-836-9431

FAA Certified Repair Station DC2R763K

Fuel system and magnetos were also overhauled (see maint. release). Ignition harness, spark plugs and oil filter are new. This engine is equipped with \_ New ECI Titan Nickel bore P/N TISN71.2ACA cylinder kits .

Model\_ IO-520-BA\_ SIN\_ 249532-R\_ W0#\_ 21320\_ Total Time \_ \_

A.D. # Method of compliance

77-13-22 C/W BY USE OF HEAVY/BUMPED CASE (CERT.@ DIVCO).

79-05-09 P/C/W; HAD ACCEPTABLE RELIEF VALVE COMPONENTS.

80-01-04 N/A TO THESE NEW ECI CYLINDERS.

81-24-06 C/W BY FUEL SYSTEM OH@ CRS#HK2R875K.

86-13-04 N/A TO THESE NEW ECI CYLINDERS.

87-14-02 N/A TO THIS FLAT TOP STYLE ADAPTER.

88-03-06 C/W BY USE OF CHAMPION FILTER.

88-17-03 N/A TO THIS FLAT TOP STYLE ADAPTER.

91-19-03 C/W BY USE OF FILTER W/ ACCEPTABLE CODE.

93-10-02 N/A TO THESE NEW ECI CYLINDERS.

93-16-15 P/C/W; HAD 653359 COUPLING.

97-26-17 C/W BY ULTRASONIC INSP.@ O-H.

98-01-08 N/A; HAS TCM ROCKER ARMS.

98-17-11 N/A TO THIS CRANKSHAFT (NOT SENT TO NELSON).

99-19-01 C/W BY ULTRASONIC INSP.@ O-H (VAR TYPE).

00-23-21 N/A TO THIS SERVICEABLE SHAFT S/N D189507N.

04-08-10 N/A TO THESE CYLINDERS PER S/N'S.

07-04-19 N/A TO THESE CYLINDERS.

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ENG

N1417B

Beechcraft V35B

S/N: D-8550

See Scanned Log Index for Signatures and A&P Information

Engine Record

Date of Service: Feb 02, 2009

Shop Name: O'Neill Aircraft	Shop Location: Norman, OK	Recorded "N" Number: 24N
Shop Address: 1948 Goddard Ave	Shop Zip: 73069	Work Order No.: UNKNOWN
	Shop CRS:	
Aircraft TTAF: 6798.32	Prop. TS New: 374.05	Engine TS New: 1437.80
Tach Time: 6798.32	Prop TS Overhaul: 374.05	Engine TS Overhaul: N/A
		Engine TS Top: N/A

Installed this engine using new lord mounts (4), PN: J10520-1. New hose kit from Precision Hose Technology, PN: BEV35-08550. Prop governor flushed and reinstalled. Replaced heater ducts, PN: 111F417-6S0222 / 115167DXX081343. Installed new induction filter, PN: BA 7112. Exhaust installed using new gaskets and nuts pressure checked exhaust. Installed alternator, PN: ALX9524, SN: 1081208, see 8130- 3 from Kelly Aerospace Power Systems. Serviced engine with 12qts. Phillips XC 20W50 oil. Rigged all controls. Washed, ran and checked for leaks. Aircraft test flown by owner.

See Scanned Log Index for Signatures and A&P Information

Engine Record

Date of Service: Dec 23, 2009

Shop Name: Stealth Aviation	Shop Location: North Santa Monica, C	Recorded "N" Number: 24N
Shop Address: 3100 Donald Douglas Loop	Shop Zip: 90405	Work Order No.: UNKNOWN
	Shop CRS:	
Aircraft TTAF: 6844.64	Prop. TS New: 420.37	Engine TS New: 1484.12
Tach Time: 6844.64	Prop TS Overhaul: 420.37	Engine TS Overhaul: 46.32
		Engine TS Top: 46.32

- 1. Changed oil with Phillips XC 20W50 added 11 qts. And CH48108-1 oil filter.
- 2. Opened oil filter for inspection non found at this time.
- 3. Ground run up satisfactory.

See Scanned Log Index for Signatures and A&P Information

N1417B

Beechcraft V35B

S/N: D-8550

**Engine Record****Date of Service: Jan 22, 2010**Shop Name: [Unknown]  
Shop Address:Shop Location:  
Shop Zip:  
Shop CRS:Recorded "N" Number: 24N  
Work Order No.: UNKNOWNAircraft TTAF: 6866.64  
Tach Time: 6844.64Prop. TS New: 420.37  
Prop TS Overhaul: 420.37Engine TS New: 1484.12  
Engine TS Overhaul: 46.32  
Engine TS Top: 46.32

Complete 100 hr insp. For annual insp. Compression checked 80/80- all cylinders. No oil change. 22 hrs since oil & filter change. Replaced cowl top baffle with required FAR material, checked all engine components, insp fuel screen. Lines + hoses+ Controls, Muffs. Install exhaust analyzer probes. All systems check OK.  
ELT due: 6/20/2011

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

See Scanned Log Index for Signatures and A&amp;P Information

**ANNUAL/100hr INSPECTION**

Engine Compressions:	Cylinder 1	Cylinder 2	Cylinder 3	Cylinder 4	Cylinder 5	Cylinder 6	Master Orifice
	80	80	80	80	80	80	0

**Engine Record****Date of Service: Jan 27, 2010**Shop Name: [Unknown]  
Shop Address:Shop Location:  
Shop Zip:  
Shop CRS:Recorded "N" Number: 24N  
Work Order No.: UNKNOWNAircraft TTAF: 6867.10  
Tach Time: 6867.10Prop. TS New: 442.83  
Prop TS Overhaul: 442.83Engine TS New: 1506.58  
Engine TS Overhaul: 68.78  
Engine TS Top: 68.78

Oil + Filter changed. Opened removed filter inspected OK. Phillips X country 20/50 10 qts added. Secured lock-jam nut at {illegible} throttle control. Connected fuel drain from fuel pump to exit tube. JPI instruments engine monitoring system "with fuel flow" see 337 dated Jan 27, 2010.

See Scanned Log Index for Signatures and A&amp;P Information

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FAA 237a

N1417B

Beechcraft V35B

S/N: D-8550

**Engine Record****Date of Service: Feb 19, 2010**

Shop Name: Stealth Aviation  
Shop Address: 3100 Donald Douglas Loop

Shop Location: North Santa Monica, C  
Shop Zip: 90405  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 6889.10  
Tach Time: 6889.10

Prop. TS New: 464.83  
Prop TS Overhaul: 464.83

Engine TS New: 1484.12  
Engine TS Overhaul: 90.78  
Engine TS Top: 90.78

1. Changed oil with Phillips XC 20W50 added 11 qts. And CH48108-1 oil filter.
2. Opened oil filter for inspection no contaminants found at this time.
3. Ground run up satisfactory

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service: Jan 03, 2011**

Shop Name: Hammock Aviation Services, INC. Shop Location: Ennis, TX  
Shop Address: 3002 W. ENNIS AVE Shop Zip: 75119  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 6927.24  
Tach Time: 6927.24

Prop. TS New: 502.97  
Prop TS Overhaul: 502.97

Engine TS New: 1522.26  
Engine TS Overhaul: 128.92  
Engine TS Top: 128.92

WARMED ENGINE, TOOK COMPRESSIONS, #1-78/80, #2-76/80, #3-77 /80, #4-76/80, # 5-78/80, #6-75/80. DRAINED OIL, REMOVED FILTER. INSTALLED NEW OIL DRAIN VALVE DUE TO LEAKS. FILLED WITH 11 QTS PHILLIPS 20W50 OIL AND INSTALLED A NEW CHAMPION 108-1 OIL FILTER. CLEANED AND GAPPED SPARK PLUGS, CLEANED FUEL SCREENS AND NOZZELS. REPLACED AIR FILTER ELEMENT WITH NEW P/N BA-7112. REPLACED SPRING, DRAIN AND GASKET ON FUEL STRAINER. REPOSITIONED SHIELD ON L/H EXHAUST. REPAIRED ENGINE BAFFELING, ADJUSTED TO SEAL ON VALVE COVERS. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION; AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

See Scanned Log Index for Signatures and A&P Information

**ANNUAL/100hr INSPECTION**

Engine Compressions:	Cylinder 1	Cylinder 2	Cylinder 3	Cylinder 4	Cylinder 5	Cylinder 6	Master Orifice
	78	76	77	76	78	75	0



**Engine Record****Date of Service: Feb 10, 2012**

Shop Name: [Unknown]

Shop Location:

Recorded "N" Number: 24N

Shop Address:

Shop Zip:

Work Order No.: UNKNOWN

Shop CRS:

Aircraft TTAF: 6985.98

Prop. TS New: 561.71

Engine TS New: 1581.00

Tach Time: 6985.98

Prop TS Overhaul: 561.71

Engine TS Overhaul: 187.66

Engine TS Top: 187.66

Engine insp I/A/W Beech + Continental service manual oil + filter changed. Compret {illegible} 74/80

See Scanned Log Index for Signatures and A&amp;P Information

**ANNUAL/100hr INSPECTION**

Engine Compressions:	Cylinder 1	Cylinder 2	Cylinder 3	Cylinder 4	Cylinder 5	Cylinder 6	Master Orifice
	74	74	74	74	74	74	0

**Engine Record****Date of Service: Apr 29, 2012**

Shop Name: [Unknown]

Shop Location:

Recorded "N" Number: 24N

Shop Address:

Shop Zip:

Work Order No.: UNKNOWN

Shop CRS:

Aircraft TTAF: 7039.67

Prop. TS New: 615.40

Engine TS New: 1634.69

Tach Time: 7039.67

Prop TS Overhaul: 615.40

Engine TS Overhaul: 241.37

Engine TS Top: 241.37

**Engine**

-Removed and inspected oil filter, installed new Ch48108-1 filter.

-Serviced engine with 12 qts. Phillips X/C 20w50 Oil. Run-up done leak checked OK.

See Scanned Log Index for Signatures and A&amp;P Information

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**Engine Record****Date of Service: Jul 16, 2012**

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7108.85  
Tach Time: 7108.85

Prop. TS New: 684.58  
Prop TS Overhaul: 684.58

Engine TS New: 1703.87  
Engine TS Overhaul: 310.55  
Engine TS Top: 310.55

1. REMOVED FILTER AND DRAINED OIL. REPLACED OIL FILTER WITH P/ N CH48109-1 OIL FILTER AND SERVICED ENGINE WITH 11 QTS PHILLIPS X/C 20W-50. CUT OPEN OLD OIL FILTER AND INSPECTED FOR METAL, NONE FOUND. RUN-UP AND LEAK CHECK SATISFACTORY.
  2. SERVICED SHIP'S BATTERY.
  3. REPLACED LEFT AND RIGHT MUFFLER/HEAT EXCHANGER AND TAIL PIPES . REPLACED THE LEFT FIREWALL EXHAUST SUPPORT BRACKETS WITH NEW, P/ N'S: 35-415330-72 AND 35-415330-73, USING NEW CHERRYMAX RIVETS P/N'S: CR3213-4-4 AND CR3213-
  - 6-4 REPLACED A CRACKED TAIL PIPE TO FIREWAL ATTACH BRACKET WITH NEW, P/N: 35-910007-5. WORK WAS DONE IAW THE BEECHCRAFT 35 MAINTENANCE MANUAL 35-590096 REV. B22 DATED 04-01-2011.
- FOR WORK PERFORMED AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service: Sep 21, 2012**

Shop Name: [Unknown] Shop Location:  
Shop Address: Shop Zip:  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7163.60  
Tach Time: 7163.60

Prop. TS New: 739.33  
Prop TS Overhaul: 739.33

Engine TS New: 1758.62  
Engine TS Overhaul: 365.30  
Engine TS Top: 365.30

**Engine Maintenance Entries**

Drained engine oil. Removed and cut oil filter, no debris found. Installed new CH48109-1 oil filter and serviced engine with 11 qts. Phillips X/C 20-50. Ran engine, no leaks detected at this time. Found throttle control rod end attachment to throttle arm loose. Removed and inspected bolt. Reinstalled, torqued correctly, and cotter pinned. OK for return to service.

See Scanned Log Index for Signatures and A&P Information

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**Engine Record****Date of Service:** Nov 21, 2012

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7228.50  
Tach Time: 7228.50

Prop. TS New: 804.23  
Prop TS Overhaul: 804.23

Engine TS New: 1823.52  
Engine TS Overhaul: 430.20  
Engine TS Top: 430.20

**Engine Maintenance Entries**

- Drained oil, removed, opened, and inspected oil filter. No contamination found.
- Installed new CH48109-1 oil filter and serviced engine with 12 qts. Phillips X/C 20-50.
- Installed stainless steel doubler behind left hand firewall exhaust brackets.
- Engine test run, and leak checked, OK for return to service.

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service:** Dec 31, 2012

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7231.10  
Tach Time: 7231.10

Prop. TS New: 806.83  
Prop TS Overhaul: 806.83

Engine TS New: 1826.12  
Engine TS Overhaul: 432.80  
Engine TS Top: 432.80

**Engine Maintenance Entries**

- Clean cylinder #5 injector .
- Engine test run, and leak checked, OK for return to service.

See Scanned Log Index for Signatures and A&P Information

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CAA 2276

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**Engine Record****Date of Service: Mar 08, 2013**

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
 Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
 Shop CRS:

Recorded "N" Number: 24N  
 Work Order No.: UNKNOWN

Aircraft TTAF: 7258.50

Prop. TS New: 834.23

Engine TS New: 1853.52

Tach Time: 7258.50

Prop TS Overhaul: 834.23

Engine TS Overhaul: 460.20

Engine TS Top: 460.20

**Engine Maintenance Entries**

- Drained oil, removed, opened, and inspected oil filter. No contamination found.
- Installed new CH48109-1 oil filter and serviced engine with 12 qts. Phillips XJC 20-50.
- Performed compression test: 1) 77, 2) 74, 3) 76, 4) 78, 5) 76, 6) 75
- Installed new Tempest spark plugs, PN URHB36S
- Installed new Champion Slick ignition harness PN M1740.
- Install new magneto gaskets PN SA534750.
- Installed new Bracket induction air filter assembly PN BA 7210
- Engine test run op's, and leak checked, OK for return to service.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

See Scanned Log Index for Signatures and A&amp;P Information

**ANNUAL/100hr INSPECTION**

Engine Compressions:	Cylinder 1	Cylinder 2	Cylinder 3	Cylinder 4	Cylinder 5	Cylinder 6	Master Orifice
	77	74	76	78	76	75	0

**Engine Record****Date of Service: Mar 26, 2013**

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
 Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
 Shop CRS:

Recorded "N" Number: 24N  
 Work Order No.: UNKNOWN

Aircraft TTAF: 7299.00

Prop. TS New: 874.73

Engine TS New: 1894.02

Tach Time: 7299.00

Prop TS Overhaul: 874.73

Engine TS Overhaul: 500.70

Engine TS Top: 500.70

**Engine Maintenance Entries**

- Removed propeller. Installed new SA641250 crankshaft nose seal. MS28775-228 propeller Oring and reinstalled propeller.
- Engine test run op's, and leak checked, OK for return to service.

See Scanned Log Index for Signatures and A&amp;P Information

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**Engine Record****Date of Service:** Mar 26, 2013

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7299.00  
Tach Time: 7299.00

Prop. TS New: 874.73  
Prop TS Overhaul: 874.73

Engine TS New: 1894.02  
Engine TS Overhaul: 500.70  
Engine TS Top: 500.70

**Propeller Maintenance Entries**

Propeller removed to facilitate replacement of crankshaft nose seal.  
-Replaced MS28775-228 propeller Oring and reinstalled propeller.

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service:** Mar 28, 2013

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7302.40  
Tach Time: 7302.40

Prop. TS New: 878.13  
Prop TS Overhaul: 878.13

Engine TS New: 1897.42  
Engine TS Overhaul: 504.10  
Engine TS Top: 504.10

**Engine Maintenance Entries**

Drained engine oil. Removed and cut oil filter, no debris found.  
Installed new CH48109-1 oil filter and serviced engine with 12 qts. Phillips X/C 2Q-SO. Ran engine, no leaks detected at this time.

See Scanned Log Index for Signatures and A&P Information

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CNA 0076

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Prop  
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**Engine Record****Date of Service:** Jun 06, 2013

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7355.00

Prop. TS New: 930.73

Engine TS New: 1950.02

Tach Time: 7355.00

Prop TS Overhaul: 930.73

Engine TS Overhaul: 556.70

Engine TS Top: 556.70

**Engine Maintenance Entries**

All maintenance and or repair listed below accomplished IAW Beechcraft A36 Maintenance Manual  
PN 36-590001-9, Revision dated July 1, 2012.

Drained engine oil. Removed and cut oil filter, no debris found.

Installed new CH48109-1 oil filter and serviced engine with 12 qts. Phillips X/C 20-50. Ran engine,

Engine test run, leak and op's check. OK for return to service for maintenance accomplished this entry.

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service:** Nov 12, 2013

Shop Name: Aero Kinetics Aircraft Maintenance Shop Location: Denton, TX  
Shop Address: 5007 Airport Road. Hangar 38 Shop Zip: 76207  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: UNKNOWN

Aircraft TTAF: 7489.79

Prop. TS New: 1065.52

Engine TS New: 2084.81

Tach Time: 7489.79

Prop TS Overhaul: 1065.52

Engine TS Overhaul: 691.49

Engine TS Top: 691.49

Engine serviced with 11 qts Phillips XC 20w50 and CH48-109 filter. Tested all engine controls. This engine has been run and no leaks found.

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N1417B

Beechcraft V35B

S/N: D-8550

## Engine Record

Shop Name: Leading Edge Aviation Services, I Shop Location: Tampa, FL  
 Shop Address: 6582 Eureka Springs Rd. Shop Zip: 33610  
 Shop CRS:

Aircraft TTAF: 7541.00

Tach Time: 48.17

Prop. TS New: 1116.73

Prop TS Overhaul: 1116.73

Date of Service: Jan 03, 2014

Recorded "N" Number: 24N

Work Order No.: UNKNOWN

Engine TS New: 2136.02

Engine TS Overhaul: 742.70

Engine TS Top: 742.70

-Drained oil and serviced with 10 quarts of Phillips X/C 20W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowl and performed run up.  
 -Cleaned and serviced all spark plugs.

The work above was performed in accordance with current regulations of the federal Aviation Administration and is approved for return to service pertaining to work performed.

See Scanned Log Index for Signatures and A&amp;P Information

## Engine Record

Shop Name: Air Care Aviation Services, INC. Shop Location: Elm City, NC  
 Shop Address: 7900 Air Care Dr Shop Zip: 27822  
 Shop CRS:

Aircraft TTAF: 7576.90

Tach Time: 84.07

Prop. TS New: 1152.63

Prop TS Overhaul: 1152.63

Date of Service: Apr 07, 2014

Recorded "N" Number: 24N

Work Order No.: 22806

Engine TS New: 2215.70

Engine TS Overhaul: 777.90

Engine TS Top: 777.90

Performed 100 hour inspection using Beech 35 maintenance manual inspection form as a guide. Changed oil & filter. Took Blackstone Labs oil sample. Cut open filter & inspected. No defects noted. Installed new filter P/N CH48109-1. Serviced w/ 10 qts Phillips X/C 20W50 and 1 pint Camguard. Checked compression: #1) 73 /80 #2) 75/80 #3) 76/80 #4) 73 /80 #5) 78/80 #6) 76/80. Master orifice "42" per SB03-3. Borescoped cylinders. No defects noted. Cleaned fuel nozzles. Replaced crankshaft seal w/ new P/N 641250. Replaced idler gear closeout cover gasket w/ new P/N 654828. Replaced all pushrod tube seals w/ new P/N 534610. Replaced all valve cover gaskets w/ new P/N 655528. AD2014-05-29 N/A, no Superior Air Parts cylinders installed. Washed engine. Ground run acft. Ops check normal & no leaks noted at this time. For further details see WO# 22806 on file this station. I certify that this engine has been inspected I/A/W a 100 hour inspection & is approved for return to service.

See Scanned Log Index for Signatures and A&amp;P Information

## ANNUAL/100hr INSPECTION

Engine Compressions:	Cylinder 1	Cylinder 2	Cylinder 3	Cylinder 4	Cylinder 5	Cylinder 6	Master Orifice
	73	75	76	73	78	76	0

ENGINE LOGS

PROP LOGS

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FAA 2276

PROP  
ENG

**Engine Record****Date of Service: Jul 22, 2014**

Shop Name: Jet Logistics  
Shop Address: 2610 Terminal Blvd # 103

Shop Location: Raleigh, NC  
Shop Zip: 27623  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: CLT-R5077

Aircraft TTAF: 7620.13  
Tach Time: 127.30

Prop. TS New: 1195.86  
Prop TS Overhaul: 1195.86

Engine TS New: 2258.93  
Engine TS Overhaul: 821.13  
Engine TS Top: 821.13

**Scheduled Maintenance**

2.1. CHANGED OIL AND FILTER INSTALLED 10 QTS PHILLIPS XC OIL AND CH48109-1 OIL FILTER AND 160Z CAM GUARD. PER SAVVY OIL CHANGE GUIDE. SAMPLE NOT TAKEN AT THIS TIME.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

See Scanned Log Index for Signatures and A&P Information

**Engine Record****Date of Service: Jul 22, 2014**

Shop Name: Jet Logistics  
Shop Address: 2610 Terminal Blvd # 103

Shop Location: Raleigh, NC  
Shop Zip: 27623  
Shop CRS:

Recorded "N" Number: 24N  
Work Order No.: CLT-R5077

Aircraft TTAF: 7620.13  
Tach Time: 127.30

Prop. TS New: 1195.86  
Prop TS Overhaul: 1195.86

Engine TS New: 2258.93  
Engine TS Overhaul: 821.13  
Engine TS Top: 821.13

**DISCREPANCIES/MISCELLANEOUS MAINTENANCE**

1.2. REMOVED OLD "N" NUMBER (N24) PRIMED AND PAINTED SURFACE AREA LAYED OUT NEW "N" NUMBER (N1417B) PAINTED AND TRIMMED EDGES AS Required BY FAR 45-25 AND 45-29. ALL WORK PERFORMED IAW AC 43-13 STANDARD PRACTICES.

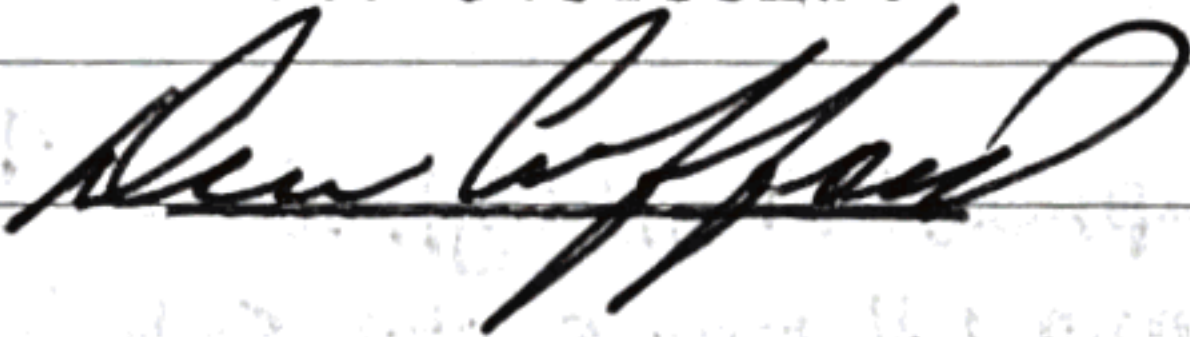
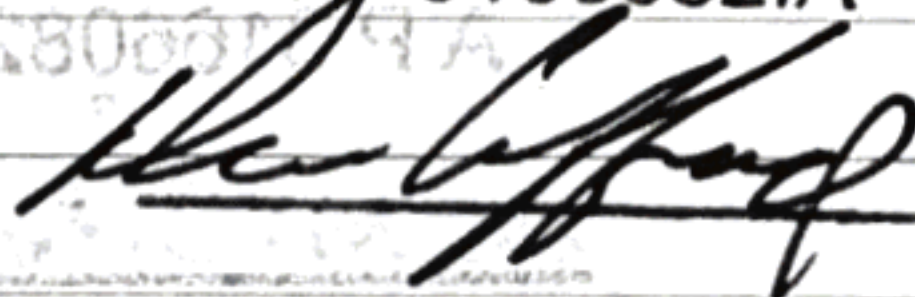
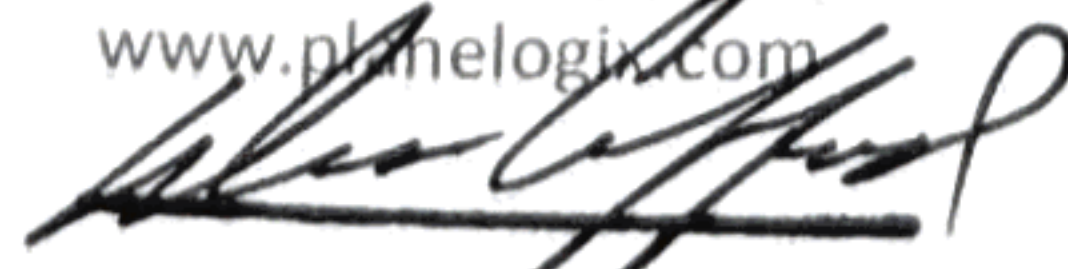
The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

See Scanned Log Index for Signatures and A&P Information



Date	TTAF	Description of Work Performed	Agency/Cert. No.
4-29-2014	smooth 1005.9	Check Compression All Cylinders $\frac{70}{80}$ or higher Clean gap Plugs Check timing. Check Controls & lube Check exhaust. Check air filter BA 7112. Change oil 20150 Phillips & filter CH 48109-1. Check engine mount hoses. Run engine & check for leaks All AD's to date See AD log.	done. 2102-2014.
<p>I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service.</p> <p>Dean Crofford A P 31660821A</p> <p><i>Dean Crofford</i></p>			
4-23-2017	smooth 1010.3	Check Compression all cylinders $\frac{70}{80}$ or higher Clean and gap plugs. RTR. L.H. mag. sent to Select Aviation for 500 hr check and repair. See AD. back log - Sent Shower of sparks also for repair. installed both timed mag's test run ok. Changed oil and filter Phillips 20-50 48109 filter. inspected engine mount hoses. Check engine controls and lube. Test run no leaks. All AD's to date See AD log.	
<p>I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service.</p> <p>Dean Crofford A P 31660821A</p> <p><i>Dean Crofford</i></p> <p>End</p>			
<p>I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service.</p> <p>Dean Crofford A P 31660821A</p>			



Date	TTAF	Description of Work Performed	Agency/Cert. No.
10-25-2018	Smoh 1094.8	Check Compression All cylinders $\frac{22}{80}$ on above Clean + gap plugs. Check timing. Check controls + lube. Check hoses. Check engine mounts Check airfilter BA 7112. Change oil + filter 20-50 Phillips AA48108-2. Check exhaust replaced RH. Stack with Aerospace welding new PN. A 35-95000534M PMA FAA Approved replacement Part. with all new gaskets + hardware. test run OK. all AD's to date See AD log.	
		I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service. Dean Crofford A P 3166082IA 	
1-18-2020	TT 7902.4 Smoh 1107.4 Tach 414.4	Check Compression $\frac{16}{80}$ 2. $\frac{72}{80}$ 3. $\frac{74}{80}$ 4. $\frac{13}{80}$ 5. $\frac{78}{80}$ 6. $\frac{78}{80}$ Clean + gap plugs. Check timing. Check timing. Check controls, hoses, + engine mount. No oil Change at this time. Replace airfilter Brackett BA 7112. All AD's to date See AD log.	
		I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service. Dean Crofford A P 3166082IA 	
8-20-21	TT 7928.4 Smoh 1130.4 Tach 432.4	Check Compression all cylinders $\frac{22}{80}$ on above Clean + gap Plugs Check timing Check controls + lube. Inspect Hoses + exhaust. Change oil Phillips 20-50. 448108-1 Champion filter Check filter no metal Check airfilter BA 7112 All AD's to date	
		I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service. Dean Crofford A P 3166082IA 	



Date	TTAF	Description of Work Performed	Agency/Cert. No.
10-1-22 Smith Tech	7941.2 1146.2 4632	<p>Check Compression All Cylinders <math>\frac{12}{80}</math> or above. Clean gap Plugs. Check Timing. Check Controls + lube. Inspect hoses + exhaust. Inspect engine mounts. No oil change at this time. Replace air filter BA 7/12. Replace air pump RAPCO RAP 216 CW New S/N B43647 All AD's to date. See AD Log</p> <p>I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service.</p> <p>Dean Crofford A P 31660821A</p> <p><i>Dean Crofford</i></p>	
4-20-24 Smith Tech	7997.3 1179.3 509.3	<p>Check Compression all cylinders <math>\frac{12}{80}</math> or above. Clean + gap plugs. Check timing. Check Controls + lube. Inspect hoses + exhaust. Change oil / Phillips 20-50 AA48108 filter BA 7/12 air filter. No leaks. AD's to date. See AD log.</p> <p>I certify that this Aircraft/Engine/Prop has been inspected in accordance with an annual/100hr. and is returned to service.</p> <p>Dean Crofford A P 31660821A</p> <p><i>Dean Crofford</i></p>	



Da



Description of Work Performed

Agency/Cert. No.

McGregor Executive Airport, McGregor TX 76657

**ENGINE LOGBOOK ENTRIES - N1417B - ACTT: 8,002.0/ Hobbs: 514.0 - Work Order: 25-0158**

Engine Model: Continental IO-520-BA	Engine SN: 249532-R	ETSN: 1,203.7	ETSO: N/A - New	Date: 08/01/2025
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Performed a **100-Hour** Inspection as required by 14 CFR Parts 43 Appendix D and 91.409 in accordance with Beech Bonanza Service Manual and Continental IO-520 Series Service Manual.

**Scheduled Inspections:**

1. Replaced oil filter PN AA48109 and serviced engine with Phillips X/C 20W50 (MX) engine oil (X12 Qts). Removed, cleaned, inspected, gapped and reinstalled spark plugs.  
**Next Due** ACTT 8102.0
2. Removed **RH Magneto PN 1039260-6, SN 1090426** and shipped to Quality Aircraft Accessories, Inc. CRS QYIR334Y for **500-hour Inspection** under JAG PO MX-25-0203. Received, installed magneto PN 10349260-6, SN 1090426, w/new gasket PN 649954, in the RH engine position.  
Timed magneto IAW sec 3-34B. Ops checked satisfactory.  
**Next Due** ACTT 8502.0

**Unscheduled Maintenance:**

1. Removed alternator to replace gasket. Cleaned alternator and engine mating surfaces. Re-installed alternator with new gasket PN 653981. Ref AMM Section 3-34F.
2. Resecured loose #3 cylinder EGT probe IAW AC 43.13-1B.
3. Oil on top of engine coming from case halves. Found case bolts #41 & #42 bolts over torqued to point of damage to bolt threads. Replaced and re-torqued of case bolts PNs AN5-13A (X1) and AN5-15A (X1) IAW AC 43.13-1B. Leak checked satisfactory.
4. Removed and replaced unserviceable engine spider drain hose PN 39704 (6 FT) IAW AC 43.13-1B.
5. Oil temp gauge pegged out. Checked digital system could not find any defects at this time. Check during post run. Installed copper gasket AN900-10 on oil temp bulb IAW AC 43.13-1B.
6. Removed leaking fuel controller PN 629904-2, SN J088633RA and sent to Aircraft Accessories of Oklahoma CRS RV3R829L for repair under JAG PO MX-25-0231. Received overhauled fuel controller PN 629904-2, SN J088633RA and installed IAW EMM IO-520-BA. Ops and leaked checked satisfactory.

**Airworthiness Directives (ADs):**

1. Reviewed All FAA Issued ADs and found none due to date.

**Instructions For Continued Airworthiness (ICAS)**

1. Performed 100 Hr/12 Mth GAMI Injector Insp IAW ICA TCM No IP 96-001 (STC SE09217SC)  
**Next due** 8102.0

**Page 01 of 01**

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

Gary Drapela, APIA 3542901