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Front ☐

Rear ☐

Left ☐

Right ☐

AMERITECH INDUSTRIES, INC
Where Performance Begins...®

ENGINE LOGBOOK

Ameritech Industries, Inc.
dba: Eagle Engines

FAA REPAIR STATION # [REDACTED]

www.ameritech-aviation.com
[REDACTED]

[REDACTED]
Redding, California 96002, U.S.A.
[REDACTED]

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer Continental

Model IO-550-B

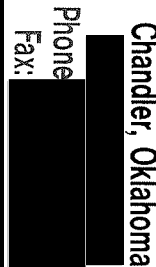
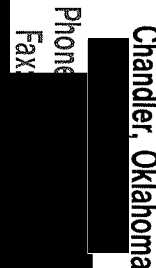
Serial No. 578775

Date Installed on Aircraft _____

TBO _____ Hours

or _____ Years

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		 EAGLE ENGINES FAA Repair Station [REDACTED] Repair Order: 17515-01-2014 Engine Make: Continental Serial No.: 578775 Date: 03/17/2014 Engine Model: IO-550-B Total Time: SMOH: -0- 1. Engine has been Major Overhauled using New Superior Cylinders. 2. This engine has been disassembled, Cleaned, Inspected and Re-assembled in accordance with all applicable FAA Regulations and Manufacturer's current overhaul manual M-16. 3. Crankcase certified by Nickson's Machine Shop, Inc., Crankshaft ultrasonic inspection by Ameritech Industries, Inc., Magnetos by Aircraft Electrical Components., Harness by Continental Motors Inc., Sparkplugs by Tempest, Starter by Hartzell Engine Technologies, Throttle Body, Flow Divider and Fuel Pump by Tornado Alley Turbo, Inc. 4. The following airworthiness directives have been complied with: <u>2007-04-19 R1 and 2014-05-29</u> 5. See front of log for A.D. listing details. 6. See rear of log for maintenance releases. 7. Engine test run satisfactory. 8. Engine not installed by Eagle Engines. 9. Nothing follows.  EAGLE ENGINES REPAIR STATION No. [REDACTED] REDDING, CA 96002 WORK ACCOMPLISHED: <u>ENGINE OVERHAUL</u> THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER # <u>17515-01-2014</u> INVOICE # <u>17515-01-2014</u> DATED: <u>03/17/2014</u> SIGNED <u>[Signature]</u> (AUTHORIZED INDIVIDUAL)

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
DATE 15/Aug/2014 Continental Motors INC. IO-550-B (modified) SN: 578775 Tach Time: 795.2 Engine TTIS: 2893.8 TSMOH: 0.0		
TOTAL TIME CERTIFICATION STATEMENT		
Received aircraft for annual inspection and found missing logs. Performed a records search through all available means and located two each log books from before the engine was modified to IO-550-B. Total Time in Service is now traceable through available records and is accurate.		
		
Pacer Hill A&P		Chandler, Oklahoma Phone: [REDACTED] Fax: [REDACTED]
Page 1 of 1		
DATE 15-AUG-2014 BEECH B-36TC N75RM S/N EA-402 HOUR METER 795.2 ENGINE Total Time in Service 2893.8 ENGINE IO-550-B S/N 578775 ENGINE TIME SINCE OVERHAUL -0-		
ENGINE LOG		
REINSTALLED THIS ENGINE IN BEECH B-36TC SERIAL #EA-402 N75RM AFTER OVERHAUL BY EAGLE ENGINES CRS #N03R717L ON 17-MAR-2014. ENGINE INSTALLED WITH ALL NEW LORD MOUNTS, FLUID HOSES, DUCTS AND BLAST HOSES. INSTALLED OVERHAULED TURBO SERIAL #JEL00299 SEE 8130-3 DATED 04-APR-2014. INSTALLED OVERHAULED WASTEGATE SERIAL #JBN0053 SEE 8130-3 DATED 04-APR-2014. INSTALLED OVERHAULED CONTROLLER SERIAL #CC0111 SEE 8130-3 DATED 04-APR-2014. INSTALLED OVERHAULED RELIEF VALVE SERIAL #JAN00434 SEE 8130-3 DATED 04-APR-2014.		
		Chandler, Oklahoma Phone: [REDACTED] Fax: [REDACTED]

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		ENGINE LOG INSTALLED OVERHAULED STANDBY GENERATOR SERIAL #194 SEE 8130-3 DATED 24-MAR-2014. INSTALLED OVERHAULED GOVERNOR SERIAL #1810930AA SEE 8130-3 DATED 05-MAR-2014. INSTALLED NEW PLANE POWER ALTERNATOR SERIAL #150-140200. INSTALLED NEW PRIMARY VACUUM PUMP SERIAL #D7260, INSTALLED NEW STAND-BY VACUUM PUMP SERIAL #D7199. INSTALLED (4) NEW INSTRUMENT FILTERS. INSTALLED NEW HARTZELL SCIMITAR PROP SERIAL #QG741B SEE 337 AND WEIGHT AND BALANCE DATA. INSTALLED RAMMER II INTERCOOLER UPGRADE KIT SEE 337 AND WEIGHT AND BALANCE DATA. INSTALLED D'SHANNON BAFFLE KIT SEE 337 AND WEIGHT AND BALANCE DATA. INSTALLED NEW AIR CONDITIONER BELT. INSTALLED NEW OIL QUICK DRAIN. SERVICED WITH 12 QT. PHILLIPS 20W-50 TYPE M OIL AND NEW CH48109-1 FILTER. C/W AD 76-07-12 SWITCH FOUND GOOD. NEXT DUE IN 100 HOURS. AD'S CHECKED TO DATE. ANNUAL INSPECTION COMPLIED WITH BY USING THE PAGE 2 OF 3  Chandler, Oklahoma Phone: [REDACTED] Fax: [REDACTED]
		ENGINE LOG BEECH INSPECTION FORM #98-32227 AS A GUIDE AND FAR 43 APPENDIX D. FOUND TO BE IN AIRWORTHY CONDITION. The aircraft and/or component identified above was repaired and inspected in accordance with current FEDERAL AIR REGULATIONS and is approved for return to service. Pertinent details of the repair are on file at the agency under work order # <u>3683</u> Date <u>15-Aug-2014</u> Signed <u>[REDACTED]</u> Inspector for <u>[REDACTED]</u> <u>[REDACTED]</u> BIGGS AIRCRAFT, INC. FAA STATION <u>[REDACTED]</u> <u>[REDACTED]</u> - WELLSTON, OKLAHOMA 74881 / PHONE <u>[REDACTED]</u> PAGE 3 OF 3  Chandler, Oklahoma Phone: [REDACTED] Fax: [REDACTED]

[illegible]

DATE 01/SEPT/2015 Continental Motors INC. IO-550-B (modified)
SN: 578775 Tach Time: 915.2 Engine TTIS: 3013.8 TSMOH: 120.0

Complied with an Annual inspection in accordance with F.A.R. 43 appendix D using the Beechcraft inspection guide PN:98-32227T, and Continental Motors IO-550-B maintenance manual 50 and 100hr checklists as a guide. Performed a differential cylinder compression test in accordance with SB93-03 cylinder readings are (1) 79/80, (2) 77/80, (3) 76/80, (4) 76/80, (5) 78/80, (6) 78/80, with no leakage past the static seals. Complied with Tornado Alley turbo 50 and 100 hour instructions for continued airworthiness in accordance with document 35-6460001. Replaced the throttle and mixture control arm attach nuts. Adjusted propeller RPM limits. Replaced all 6 valve cover gaskets in accordance with chapter 10 of the IO-550-B permold maintenance manual. Leak check was satisfactory. Drained oil, removed filter and cut open for inspection. No defects in filter noted. Installed a new CH48109-1 oil filter and serviced engine with 12qts of Phillips 20/50 X/C oil. A leak check was satisfactory. Cleaned the engine fuel metering unit screen. Checked engine magneto timing. No defects noted. No overhaul or replacement items due at this time. Performed an Airworthiness Directive check this date. No Airworthiness Directive compliance is due at this time. See Compliance report for details. I certify that I have inspected this Engine in accordance with an Annual inspection and have determined it to be in an Airworthy condition at this time. -END--

PLANS AIRCRAFT

Phone: _____
Fax: _____

Chandler, Oklahoma

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<u>ENGINE LOG BOOK ENTRY</u>		
4/1/16	Hobbs: 985.9	SMOH: 190.7 TCM IO-550-B-EE s/n 578775 N75RM
Changed oil & filter, serviced engine with 9 qts Phillips X/C 20W50 oil & installed new Champion CH48109-1 filter. Took oil sample for analysis. Washed engine, run up leak check satisfactory.		
_____ for Lake Aviation Center Kenneth D. Terry A&P _____ Camdenton, MO 65020		
DATE 01/DEC/2016 Continental Motors INC. IO-550-B (modified) SN: 578775 HOBBS Time: 1061.4 Engine TTIS: 3160 TSMOH: 266.2		
05-01		Performed Annual inspection in accordance with FAR 43 appendix D using Beechcraft long form inspection check list part number 98-5222T as a guide.
05-02		Performed Differential cylinder compression test in accordance with C.M.I. Standard Practices manual M-0. 1) 72/80 2) 78/80
		3) 79/80 4) 72/80
		5) 78/80 6) 76/80
05-04		Performed 50 and 100 hour inspections to the turbo normalizing system in accordance with Tornado Alley Turbo, Inc. instructions for continued airworthiness document 35-6460001 Rev A dated 29-Sep-2011. System has 133.8 hours remaining before V-Band clamp replacement limitation and 94 months before fluid hoses replacement limitation.
05-10		Performed 100hr/12mon inspection of A/C system in accordance with FTA-010-3.
05-21		Performed 50/100 hour engine inspections in accordance with C.M.I. M-0.
05-22		Performed 50 hour 6 month engine oil change. Drained oil, removed filter, installed new CH48109-1 filter, and serviced engine with 12 quarts Phillips 20/50 XC oil. Work performed in accordance with C.M.I. manual M-0.
05-23		Performed all 100 hour and 12 month engine and airframe lubrication items.
05-24		Performed all 100 hour and 12 month engine and airframe service items.
72-02		Replace mixture cable rod end with new in accordance with MM 71-00-00.
Page 1 of 2		
Biggs Aircraft Inc CRS _____		
72-03		Secured propeller cable routing.
72-04		Removed all 12 spark plugs and installed new plugs in accordance with C.M.I. M-0.
I certify that I have inspected this aircraft in accordance with an Annual inspection and have determined it to be in an airworthy condition at this time.		
The aircraft and/or component identified above was repaired and inspected in accordance with current FEDERAL AIR REGULATIONS and is approved for return to service. Pertinent details of the repair are on file at the agency under work order # 4057 dated 01-DEC-2016		
Signed _____ Inspector for BIGGS AIRCRAFT, INC. FAA STATION WELLSTON, OKLAHOMA 74887		
Page 2 of 2		
Biggs Aircraft Inc CRS _____		

BIGGS AIRCRAFT

Chandler, Oklahoma
Phone: _____
Fax: _____

BIGGS AIRCRAFT

Chandler, Oklahoma
Phone: _____
Fax: _____

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		ENGINE MODEL: IO-550-B ENGINE S/N: 578775 REG. NO: N75RM (W) WORK ORDER: 1793 CFD Integration, LLC dba CFDI Aero Denton, TX 76207 Phone: [REDACTED]
		DATE: 12/15/2017 A/C TSN: 2060.4 ENG TT: TSMOH: 365.8 HOBBS: 1160.6
		Engine Entries (2) This engine was inspected in accordance with FAR 43 appendix d. The following maintenance was performed. Performed differential compression check after pre-inspection run up. Compressions are as follows: #1. 60/80. #3. 66/80, #5. 62/80, #6. 68/80.... (5) Performed 50 and 100 hour inspections to the turbo normalizing system in accordance with Tornado Alley Turbo, Inc document 35-64600001 Rev A.... (6) Drained oil, removed, cut and inspected filter for metal. None found at this time. Installed new oil filter P/N CH48109-1 and serviced with 10 quarts of Phillips X/C 20W50 oil and 1 pt of Camguard oil additive.... (7) Cleaned, gapped, tested and re-installed all spark plugs.... (19) I certify this engine has been inspected in accordance with a 100 hour/Annual inspection and has been determined to be in an airworthy condition at this time. No other new or recurring AD's due at this time.
		DATE: 12/15/2017 SIGNED: [REDACTED] Wesley Pearce, A&P: [REDACTED]
		Work Order: 1793 Printed by EBis 3 (datcomedia.com)

N75RM
Bonanza B36TC
EA-402

Date: 09/05/2018
Tack: 428.2
HOBBS: 1203.3

Ran engine brought engine to operating Temp. Drained engine oil and removed oil filter. Cut open oil filter and inspected for metal, no metal found at this time. Installed new oil filter P/N: CH48109-1. Serviced engine with 10Qts. Philips 20W50 XC. Ran engine and leak checked. No leaks noted at this time.

Wesley Pearce [REDACTED]

Date: 09/05/2018

04/01/2019 N75RM
Aircraft Make: Beechcraft
Engine Make: Continental.
Propeller: HARTZELL.
HOBBS: 1228.5

Aircraft Model: B36TC
Engine model: IO-550-B
Prop Model: PHC-C3YF-1RF/F8068
AFTT: 2128.3
ETSMOH: 433.3
PTSN: 433.3
ETTIS: 3327.1

S/NEA-402:
S/N: 578775
S/N: QG741B

- 1: This engine was inspected IAW an annual inspection per FAR 43 appendix (d). The following maintenance was performed.
- 2: Drained oil and removed oil filter. Cut open oil filter and inspected for metal no metal found at this time. Installed new oil filter CH48109-1 and serviced engine with 10Qts 20W50XC.
- 3: Compressions were as follows: 1: 76/80 2: 77/80 3: 78/80 4: 76/80 5: 74/80 6: 76/80.
- 4: Replaced A/C belt with correct part number belt, P/N: 7320 and adjusted to proper tension.
- 5: Performed run up and leak check no leaks noted at this time
- 6: Removed starter. Removed induction and exhaust as required to access pushrod tubes. Removed rocker box covers. Removed pushrods and pushrod tubes. Installed pushrod tubes with new gaskets P/N: RG-520PRT-6. Installed pushrods. Installed rocker box covers with new gaskets and gasket sealer. Re-installed induction and exhaust systems with new gaskets. Installed starter with new o-ring. Ran engine to perform leak check. None found at this time.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL/100HR INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

Wesley Pearce A&P [REDACTED]

06/13/2019 N75RM

Aircraft Make: Beechcraft
Engine Make: Continental.
Propeller: HARTZELL.

Aircraft Model: B36TC
Engine model: IO-550-B ETSMOH:437.3
Prop Model: PHC-C3YF-1RF/F8068

AFTT: 2128.3
ETTIS: 3331.1
PTSN: 437.3

S/NEA-402:
S/N: 578775
S/N: QG741B

HOBBS: 1232.5

1. Removed engine baffle and top cowling. Removed exhaust system and induction system, removed starter and aircraft battery. Removed all 6 cylinders due to cracking. Packed cylinders for shipping to superior. Drained oil and removed oil filter.
2. Set ring gap on all 6 cylinders as per Service letter L05-09B. Ring set P/N:SA5000-SC5
3. Removed lifters and disassembled cleaned re-assembled and installed all 12 lifters. Inspected cam for defects, none found. bore scoped engine.
4. Installed all 6 new pistons P/N:SA654857, weight of all 6 pistons 1463 grams, Installed 6 New piston Pins P/N:SA630046. Installed 6 new Cylinders P/N:SA52006-A23P, S/N:526E1938575, S/N:526E1938576, S/N:526E1938577, S/N:526E1938578, S/N:526E1938579, S/N:526E1938580, with 6 new superior seal kits P/N:SA520-T1. Torque all cylinder nuts to engine as per manufactures Service Bulletin SB96-7C. Installed all push rod tubes with new Real Seal P/N:RG-520PRT-6. Installed rocker arms and inspected side clearances, all rocker arm side clearances with in manufactures limits. Inspected valve clearances as per manufactures overhaul manual. all clearances with in manufactures limits of 0.060-0.200 . Installed Rocker covers with new gaskets. Installed all 6 fuel injectors as per GAMI injector installation instructions With all new seals. Installed oil dip stick with new o-rings P/N:MS9970-116, MS9970-117, and gasket P/N:649965. Installed prop Gov. with new Gasket P/N:AA9144, installed alienator with new gasket P/N:653981. Installed Exhaust system and Induction system with new gaskets. Cleaned induction filter and serviced with K&N oil kit. Installed all engine baffling and sealed with silicone. Installed starter with new o-ring. Charged and installed battery.
5. Serviced engine with 10Qts. aeroshell 100 Mineral oil and installed new oil filter CH48109-1. Pre-oiled engine and performed test run and leak check, No leaks noted at this time. Checked fuel pressures as per continental SB Instructions. Checked all rigging of throttle, mixture, prop gov. hitting all stops.
6. Performed final run no oil leaks all belts tight, engine test checked good.

Wesley Pearce A&P

ENGINE LOG BOOK ENTRY

10/02/19 Hobbs: 1250.1 SMOH: 454.9 TCM IO-550-B-EE s/n 578775 N75RM

Changed oil & filter, serviced engine with 10 qts Phillips X/C 20W50, & installed new Tempest AA48109 oil filter. Washed engine, run up leak check satisfactory.

for Lake Aviation Center
Kenneth D. Terry A&P Camdenton, MO 65020

09/22/2020 TSI IO-550-B S/N 578775 Hobbs: 1260.8 ACTT: 2241.9 SMOH: 465.6 ETT: 3359.4

AD's researched through bi-weekly 2020-09 inspected engine IAW appendix D to part 43. Performed compression test, #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80. Serviced and lubricated as necessary. Drained engine oil, Took oil sample for analysis. Removed oil filter installed new Tempest oil filter AA48109, Serviced with 10 qts of Phillips X/C 20W50 oil. Ran engine and checked for leaks and operation. Leak check satisfactory. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition at this time.

for Lake Aviation Center

Donald Thibodeau A&P Camdenton, MO 65020