



The Standard

ENGINE LOG

ASA-SE-2

The Standard Engine Log
SE-2

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ASA-SE-2

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Engine Record General Information

Manufacturer CONTINENTAL

Model IO-550-B

Serial 569967

Type Certificate E350

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____

Oil Grade Summer _____ Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Log Book Entry
Engine Model: IO-550-B/BP
Serial Number: 569967

Date: 8/5/2020
BPE WO #12485

TSO: 0.0
TT: UNK

Engine model IO-520B disassembled, inspected, overhauled, converted and conformed powerplant to IO-550B/BP IAW Barrett STC #SE09997SC. Tested IAW Continental Motors OHM, X30574, eff. 10/15/13. Engine assembled IAW.Continental Motors Maintenance Manual, M-0, eff. 09/15/19. See work order 12485 for parts used. Disassembled and inspected customer provided ECI overhauled cylinder assemblies and new GAMI TIG550 fuel nozzles

SUBLET REPAIRS

Vendor	Repair Station	Component
ASSI	DD2R764K	Ct'wts, R'Arms, Rods
CRANKCASE SERVICES	H1HR0960	Crankcases
PACIFIC OIL COOLERS	RF3R813L	Oil Cooler
GREAT PLANES	1GPR022B	Fuel System
QAA	QYIR334Y	Mags, Starter
AAO	RV3R829L	Starter Adapter
UNITED PLATING	FA2R813K	Hardware

AD, SB, CSB Compliance

00-00-01 OIL FILTER ADAPTER
93-16-15 FUEL PUMP DRIVE SHAFT
SB18-04A FLANGED NUT INSPECTION
SB13-6A C/S GEAR REPLACEMENT
SB15-6C NICKEL CYLINDER ASSY
SB12-1 LOCK PLATE INSPECTION
CSB05-8D CAM GEAR
M85-10 CYL HOLD DOWN NUTS
CSB08-3C FUEL CONTROL LEVERS
M92-9 FLANGED THROUGH BOLT NUT
MSB95-6 FUEL DRIVE COUPLING
SB653 HOT MAG TEST

See test cell report dated 7/30/20. Details of this repair are on file under W.O. 12485. For information about this engine contact:

Barrett Precision Engines Inc.
2870-B North Sheridan Rd.
Tulsa, OK 74115
918-835-1089

By:


Monty M. Barrett, authorized signature
FAA-CRS Q8RR231Y

Work Scope: 1

Discrepancy Status: Completed

Work Scope:

IO-520B, s/n 569967 convert to IO-550-B, s/n 569967 using BPE STC

Use customer provided ECI cylinder assemblies

Part Number	Description	Credit	Quantity	Units
IO-550 CRANKSHAFT OHC	Crankshaft, Overhauled Condit		1.00	Each
556818	Gear, Cam		1.00	Each
074-1	Gear, Crankshaft Large		1.00	
IG-550	Gami Nozzles, 6 Cylinder		1.00	Each
M1740	Mag Harness		1.00	Each
RAMEQ7049	Kit, Thru Bolt IO-550-A/B		1.00	Each
329726 OHC	Camshaft, Overhauled		1.00	Each
329680	Oil Transfer Collar		1.00	
2075-11	Gear Crankshaft		1.00	Each
SA646592-A1	Main Bearing Kit		2.00	Each
556219	Lever, Throttle Body		1.00	Each
643353 US	Baffle Asm, Used Servicea		1.00	Each
643352 US	Baffle Asm, Used Serviceabl		1.00	Each
SA646550-A1	Gasket Set		1.00	Each
632224	Oil Cooler Baffle		1.00	Each
641250	Nose Seal		6.00	Each
SA630046	Piston Pin		6.00	Each
SA628488 OHC	Reground Lifters		1.00	Each
653490	Stud		6.00	Each
SA64627 OHC	Lifter		12.00	Each
RHB32E	Spark Plug		1.00	Each
655958	Conn Rod Bolt		1.00	Each
629163	Clamp		1.00	Each
629163-5	Clamp		1.00	Each
629163-5	Clamp		2.00	Each
CH48109-1	Oil Filter		1.00	Each
539023	Hose		6.00	Each
656990	Screw		1.00	Each
MS9144-01	Gasket		1.00	Each
SA642917-1	Intake Hose		9.00	Each
SA642917-1	Intake Hose		12.00	Each
652541	Nut		6.00	Each
SA629117-1	Rototator Coil		2.00	Each
NAS1805-4	Nut, Transfer Collar		1.00	Each
634150	Spring		9.00	Each
649206	Screw		6.00	Each
SA534857-S	R/B Cover Gasket		2.00	Each
640380 US	Cover		2.00	Each
SA643626-104	Pin		2.00	Each
SA643626-103	Pin		4.00	Each
SA643626-105	Conn Rod Bearing		12.00	Each
SA642398 STD	Felt		1.00	Each
534625	Gasket		1.00	Each
642892	Bearing, Roller		1.00	Each
630899	Connecting Rod Nut		12.00	Each
654490	Mag Coupling Retainer, Used Se		2.00	Each
531178 US	Lock Tab Plate		2.00	Each
641909	Screw		4.00	Each
649205	Flanged Nut		30.00	Each
652422	Flanged Nut		6.00	Each
652422	Mag Cushion		4.00	Each
655269	Cam Gear Bolt		4.00	Each
654587-.44	O'Ring		1.00	Each
MS9970-117	Stop Nut Lock		1.00	Each
632762	Drive Stud		6.00	Each
STD1901	Tab Washer		4.00	Each
SA501867	O'Ring		4.00	Each
630979-9	ORing		4.00	Each
AS3581-116	Ct' Wt Washer		16.00	Each
SA643629	O'Ring		2.00	Each
MS29561-012	O'Ring		1.00	Each
SA625966	Gasket		6.00	Each
MS21919WDG2	Clamp		1.00	Each
X1473	Washer		1.00	Each
MS35756-8	Key		2.00	Each
MS29513-112	O'Ring		1.00	Each
MS35489-20	Grommet		1.00	Each
MS35489-20	Grommet		6.00	Each
MS21318-20	Drive Screw		2.00	Each
AN315-6	Nut		6.00	Each
AN365-1032	Nut, Self Locking		50.00	Each
MS35338-45	Washer		11.00	Each
MS35338-44	Split LkWash		25.00	Each
AN315-5	Nut		2.00	Each

ENGINE MODEL:
IO-550-B/BP
ENGINE S/N: 569967
REG. NO: 6559
WORK ORDER: 4115



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 4/1/2021
A/C TSN: 3073.92
ENG TT:
TSMOH: 0
TACH: 1342.12

Engine Entries

Removed Continental engine IO-550-CC, s/n: 217760-R. Installed overhauled Continental engine IO-550-B, s/n: 567796, by Barrett Precision Engines, Inc., on WO#12485, dated 04 AUG 2020. See overhaul shop work order and log entry for details. Installed existing alternator and pressure pump. Installed GAMI fuel nozzles per STC SA00724W1, please see Form 337 this date. Serviced with Aeroshell 100 Mineral oil. Pressure checked engine bay fuel system, operational check satisfactory, no leaks noted.... Replaced engine mounts with new, p/n: J-10520-1.... Removed R/H magneto and reinstalled after moving lifting eye to reposition the fuel distributor on new engine to match cutout in baffling. Timed magneto per engine data plate.... Installed throttle and mixture levers on fuel metering unit IAW CSB08-3C. Operational check satisfactory.... Performed fuel system set up per M-0.... AD2020-16-11 (SB18-08) not applicable due to cylinders not being cross flow design.

Technicians Who Worked On The Items Listed Above:

Colin Gangi, Nicholas Bownds, Robert McBride, Jr.

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

DATE: 4/1/2021

SIGNED:

Nicholas Bownds, A&P: 4318510

Work Order: 4115

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Installed Horizon Tach
4-01-21 1342.12
5-15-21 1353.80
9-2-21 1381.70

Change Back to D-1. Fitter checked and
A/C checked 100% and 100% checked and
A/C checked 100% and 100% checked and
Change D-1 of H-1. Add 100% and 100% checked and
(2 gts added in 2B hrs)

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r of
ies.)
YEAR
20
DATE

ENGINE MODEL:
IO-550-B/BP
ENGINE S/N: 569967
REG. NO: 6559
WORK ORDER: 4699



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 4/2/2022
A/C TSN: 1407.71
ENG TT:
TSMOH: 65.59
TACH: 1407.71

Engine Entries

Compressions: #1 77/80, #2 76/80, #3 76/80, #4 78/80, #5 76/80, #6 76/80, all found satisfactory per M-0. Drained oil and replaced filter, opened old filter for inspection, no debris noted. Serviced with 10 qt's of Shell 15W50 oil. Cleaned, gapped, and rotated spark plugs. Pressure checked exhaust system, no leaks noted. Pressure checked engine bay fuel system, no defects noted. Checked magneto timing per engine data plate and M-0. Cleaned fuel injection screen. Ran up, checked for leaks, none noted.... Adjusted RH and LH mag timing per engine data plate.

Technicians Who Worked On The Items Listed Above:

Zach Young

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

DATE: 4/2/2022

SIGNED:

Zach Young, A&P: 4063778

Work Order: 4699

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RIVERSIDE AVIATION

8735 SOUTH AIRPORT WAY
TULSA, OK 74132

ENGINE LOGBOOK ENTRY

15 SEPTEMBER 2022

N6559 BONANZA MODEL F33A SN: CE-877 ACFT TT: 3162.9 ACFT TACH: 0.0

CMI IO-550-B SN: 569967 ENG TSN: UNK ENG TSMOH: 89.0

DRAINED ENGINE OIL AND REMOVED OIL FILTER. SERVICED ENGINE WITH 12 QUARTS OF PHILLIPS 20W/50 OIL AND INSTALLED NEW CHAMPION CH48109-1 OIL FILTER.

RUN-UP, OP's, AND LEAK CHECK OK.

DAVID R. LANDRETH 002651512 IA



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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RIVERSIDE AVIATION
8735 SOUTH AIRPORT WAY
TULSA, OK 74132

ENGINE LOGBOOK ENTRY
15 SEPTEMBER 2022



N6559 BONANZA MODEL F33A SN: CE-877 ACFT TT: 3162.9 ACFT TACH: 0.0

CMI IO-550-B SN: 569967 ENG TSN: UNK ENG TSMOH: 89.0

INSTALLATION OF "WHIRLWIND SYSTEM III" TURBO NORMALIZING SYSTEM COVERED UNDER **STC SA5223NM** AND **STC SE5222NM**, IAW INSTALLATION INSTRUCTIONS **ETI-B-01 REV. F DATED 11/18/2003** AND MASTER DRAWING **LIST TAT-B-MDL REV. G DATED 02-21-02**. INSTALLATION OF LARGER INTERCOOLER SYSTEM AND NOSE BOWL MOUNTED INLET SCOOP COVERED UNDER EXISTING TURBONORMALIZER **STC SA5223NM** AND, IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS **ETI-B-01 REV. J DATED 03/04/09** AND MASTER DRAWING **LIST TAT-B-MDL REV. L DATED 08-20-09**. SEE FLIGHT MANUAL SUPPLEMENT FOR OPERATION AND CONTINUED AIRWORTHINESS.

INSTALLED TURBONORMALIZED FUEL CONTROLLER PART NUMBER FT-B8.5/1-442 SERIAL NUMBER A03GA013.

INSTALLED TURBONORMALIZED ENGINE DRIVEN FUEL PUMP PART NUMBER 35-6550001 SERIAL NUMBER GP2155B.

INSTALLED TURBONORMALIZED STARTER DRIVE ADAPTER PART NUMBER 642087-A68 SERIAL NUMBER QAA089191.

INSTALLATION OF GENERAL AVIATION MODIFICATION INC. turboGAMIjectors **KIT NO GT16B, S/N 31133** UNDER **STC SE09289SC** AND

IAW GAMI INSTALLATION PROCEDURE **NO. IP-97-002**.

RUN-UP, OP's, AND LEAK CHECK OK.

[Signature]
DAVID R. LANDRETH 002651512 IA

YEAR
20____
DATE

ENGINE MODEL:
IO-550-B/BP
ENGINE S/N: 569967
REG. NO: 6559
WORK ORDER: 5355



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 5/25/2023
A/C TSN: 3171.5
~~ENG TT: 23.09~~
TSMOH: 97.6
TACH: 3171.5

Engine Entries

Compressions #1 78/80, #2 76/80, #3 78/80, #4 79/80, #5 78/80, #6 77/80, MO=44, all found satisfactory per M-0. Checked magneto timing per M-0 and engine data plate. Replaced top spark plug gaskets. Pressure checked exhaust system, no leaks noted. Pressure checked engine bay fuel system, no leaks noted. Ran up, checked for leaks, none note.

Technicians Who Worked On The Items Listed Above:
Colin Gangi

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

DATE: 5/25/2023

SIGNED:

Colin Gangi, A&P: 4213181

Work Order: 5355

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ENGINE MODEL:
IO-550-B/BP
ENGINE S/N: 569967
REG. NO: 6559
WORK ORDER: 5953



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 8/16/2024
A/C TSN: 3171.5
~~ENG TT: 23.09~~
TSMOH: 102.2
TACH: 3171.5

Engine Entries

Compressions: #1 79/80, #2 78/80, #3 75/80, #4 77/80, #5 78/80, #6 74/80, all found satisfactory per M-0. Drained oil and replaced filter. Opened old filter for inspection, no debris noted. Serviced with 7 quarts of AeroShell W15W-50 oil. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Pressure checked exhaust system, no leaks noted. Pressure checked engine bay fuel system, no defects noted. Checked magneto timing. Cleaned fuel injection servo screen. Ran up, checked for leaks, none noted.... Timed LH magneto per engine data plate and CMI M-0 chapter 6-4.9.

Technicians Who Worked On The Items Listed Above:
Ariston Turner, Reagan Peniman

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

DATE: 8/16/2024

SIGNED:

Zach Young, A&P: 4063779

Work Order: 5953

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YEAR
20
DATE

6569 (09-12-2025)

MAKE: Beech
MODEL: F33a
S/N: CE-877
REG. NO: 6559
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-B/BP
ENGINE SN: 569967



Chuck's Aircraft, LLC.
6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660

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W/O #: 6569
DATE: 09-12-2025
ENG TT:
TSMOH: 104.3
A/C Tach: 3294.7
Hobbs: 183.9

erations
umber of
c entries.)

Engine Entries

Compressions: #1 54/80, #2 77/80, #3 74/80, #4 65/80, #5 76/80, #6 74/80, all found satisfactory per CAT M-0 chapter 6-4.11.
Drained oil and replaced filter. Opened old filter for inspection, no debris noted. Serviced with 10 quarts of Shell 15W50 oil. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Pressure checked exhaust system, no leaks noted. Pressure checked engine bay fuel system, no defects noted. Checked magneto timing per CAT chapter 6-4.9. Cleaned fuel injection screen. Ran up, checked for leaks, none noted.

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

DATE: 09-12-2025

SIGNED:

Robert McBride
A&P: 2710158

WORK ORDER: 6569

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YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)