

The Standard
ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer CONTINENTAL Model IO-470-C

Serial 87895-70-CR Type Certificate TC 273 PC 508

This engine is currently installed in aircraft BECH A35 A33 N367Z

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time L 26° R 26° Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

YEAR: 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.)
5-8-07	2436.20	1820		<p>07 times since major overhaul engine was disassembled & sent to Research & P.C.I. for inspection crank shaper was 10° under new eccentric weight. Bushings were installed engine was assembled with new main & sig. Rods. All new continental cyl. Pistons. all major cables prop savers new mag. new slotted new Generator new cam & lift. Engine was installed in BEECH 1733 N367Z + took Run</p> <p>Date <u>5-8-07</u> I certify that this engine has been inspected in accordance with regular annual inspection and was determined to be in airworthy condition.</p> <p>Total time, (or tach reading) <u>2436.20</u></p> <p>APU 148258014A</p> <p>Floyd A. Boger</p>

Columbia Aerotech, INC.
(503) 490-8229



ENG. Log Entry

TT; 2442.9 TSMOH; 26.7

DATE; June 25-2008 Engine S/N 87895-70-CR

Model IO-470-C

Make: CONTINENTAL

Performed Annual inspection IAW Beech checklist and FAR 43.13 App. D.

Comp. check as follows: #1-70/80, #2-68/80, #3-64/80, #4-64, #5-65/80, #6-68/80.

Cleaned, tested, installed all spark plugs, cleaned fuel strainer - checked for contaminants

Repositioned and tighten engine intake clamp. Researched Ads. Gr. Ran A/C. Ops check normal. Engine found to be airworthy at this time.



Ken Dochylo A/P3038314IA

7-29-08

YEAR: 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.)
				<p>DATE 10/4/10 TOTAL TIME 28.82 TACH 2445.0</p> <p>I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p><i>John Gotsen</i> AF 17031862616 TA</p> <p>A 1 AD's performed now. All cyl 65/80 or better, cleaned Screens, fuel tank mag. ✓ test raw ✓ fuel leaks wash. and</p>
				<p>DATE 10/7/12 TOTAL TIME 28.92 TACH 2445.1</p> <p>I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p><i>John Gotsen AF 17031862616 TA</i></p> <p>Clean Screens - ✓ mag. timing test raw . . . cyl's 65/80 or better . . .</p> <p>NO New AD's completed with Recurrs . . .</p>

Manufacturer **Continental**
 Model Number **IO-470-C**
 Serial Number **87895-70-C-R**

Total Time **1833.80**
 TSMO **13.80**

Date **11/02/2012**
 WO Number **12359**

The following work was performed as requested by the owner/operator: This engine was disassembled and inspected due to a propeller strike. Replaced the crankshaft with a certified shaft. The crankcase was repaired and certified. Inspected the magnetos for damage - no damage noted. Assembled engine. See following list of parts installed. Work was done in accordance with Continental Manual X30588 dated August 2011. Engine was run on a test stand.

The fuel injection system **MUST** be adjusted in accordance with the latest engine and airframe manufacturers instructions when this engine is installed in the aircraft.

Accessories

<u>Description</u>	<u>Model Number</u>	<u>Part Number</u>	<u>Serial Number</u>	<u>Condition</u>
Governor	-	C290D3K/T35	860519	0.0 since overhaul by Wings West Governors, RS YWWR314L, WO WW22801 dated September 6, 2012.

Service Information

<u>Service</u>	<u>Subject</u>	<u>Compliance</u>
SB96-7C	Torque limits	Used the correct torque limits.
SB00-3A	Crank, ctw's & rods	Inspected the crankshaft, counterweights and connecting rods.
MSB94-8D	Magneto timing	Correctly timed the magnetos to the engine.
MSB96-10A	Ultrasound inspection	The crankshaft was ultrasound inspected.
SB02-8B	Point wear	N/A by contact point manufacturer date.
SB03-8B	Carbon brush	N/A by carbon brush manufacturer date.
SB08-12	Crankshaft gear	Installed a new 657175 crankshaft gear.

Airworthiness Directives**Engine**

<u>AD Note</u>	<u>Amend #</u>	<u>Dated</u>	<u>R</u>	<u>Subject</u>	<u>Compliance</u>
79-05-09	39-3426	03/12/1979	N	Oil pressure relief	N/A by relief valve part number.
85-08-02	39-5029	04/15/1985	N	Valve & guide	N/A by cylinder part number.
88-03-06	39-5888	04/15/1988	N	TCM oil filter	N/A. Engine has a oil screen.
91-19-03	39-8030	09/29/1991	N	Champion oil filter	N/A. Engine has a screen.
93-10-02	39-8603	08/12/1993	N	Valve retainers	N/A by cylinder part number.
95-21-15	39-9402	11/28/1995	N	Detonation	N/A by aircraft registration number.
97-21-02	39-10155	10/27/1997	N	Piston side loading	N/A by cylinder part number.
98-01-08	LETTER	01/15/1998	N	Roller rocker arm	N/A. Roller rocker arms are not installed.
98-17-11	39-10713	10/19/1998	N	Nelson crankshafts	N/A. Nelson did not repair this crankshaft.
99-19-01	39-11290	09/30/1999	N	Crankshaft inspection	N/A by crankshaft serial number and date of last factory work.
2000-23-21	39-11994	12/12/2000	N	Crankshaft inspection	The crankshaft in this engine is not affected by engine or crankshaft serial number per Service Bulletin MSB00-5D.
2007-04-19	39-15005	05/07/2007	N	Superior cylinders	N/A by cylinder manufacturer. Installed Continental cylinders.
2009-19-07	39-16023	10/07/2009	Y	EQ3 cylinders	Inspected and determined there are no Continental EQ3 cylinders installed.
					<u>No further action is required by this AD.</u>
2010-11-04	39-16309	06/16/2010	N	Hydraulic lifters	N/A by hydraulic lifter part numbers.
Fuel Injection					
2012-03-06	39-16947	02/24/2012	N	Servo diaphragm	N/A. A Continental fuel injection system is installed.

Continued on the next page.

YEAR: ____	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.)
DATE				

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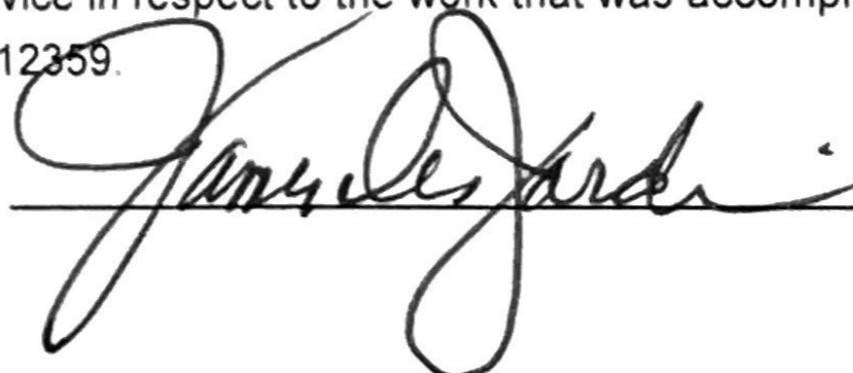
Airworthiness Directives

Oil Filter Adapter

<u>AD Note</u>	<u>Amend #</u>	<u>Dated</u>	<u>R</u>	<u>Subject</u>	<u>Compliance</u>
96-12-22	39-9665	07/31/1996	Y	Oil filter adapter	N/A. A screen is installed. <u>No further action is required by this AD.</u>

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 12359.

Date: 11/02/2012 Signed



Inspector for Premier Aircraft RS JZYR537L.

YEAR:

TACH
TIME

FLIGHT

TOTAL
TIME IN
SERVICEor
Tests, Repairs and

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair

List of Parts Installed for Work Order No.: 12359

Qty	Part Number	Description	Qty	Part Number	Description
6.0	21007	Stud	12.0	655960	Rod Bolt
6.0	21007	Stud	6.0	656990	Crankshaft Bolt
3.0	533285	Dowel Pin	1.0	657175	Crankshaft Gear
1.0	535634	Dowel Pin	2.0	AM3611	Cam
1.0	535823	Rubber Gasket	1.0	IO470C CRANK-RE	Repaired Crankshaft
3.0	626089-USED	Used Mount Leg			S/N: B444/R42849-1
16.0	629104	Snap Ring	2.0	K3215	Brush
4.0	630979-9	O Ring	12.0	M674	Spark Plug Washer
1.0	631683	Fuel Pump Drive Coupling	24.0	MS20500-428	Nut
16.0	639193	Counterweight Bushing	3.0	MS35756-8	Woodruff Key
1.0	641250	Crankshaft Seal	2.0	NAS1805-4	Lock Nut
16.0	643629	Counterweight Plate	2.0	SA532364-50.0	Felt Strip
1.0	646546A1	Gasket Set	12.0	SA630826M10	Rod Bearing
12.0	654487	Rod Nut	8.0	SA643626-101	Counterweight Pin
4.0	654589	Bolt	1.0	SA646588A1M10	Main Bearing Set
4.0	655269	Rubber Magneto Drive Bushing			