

The Standard Engine Log
SE-2

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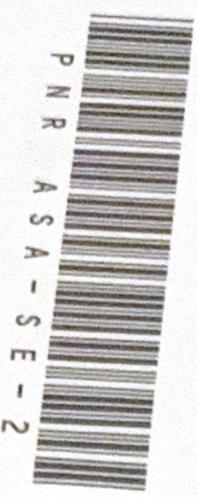
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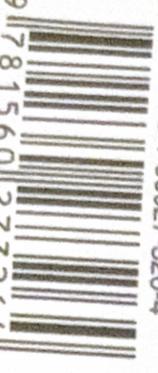
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Engine Record General Information

Manufacturer Covington Motors Model IO 530BB

Serial 1001567 Type Certificate N 4815T

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 1900 hours

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.)
20 15				
5/15				

GENESIS ENGINE

BY D'Shannon Aviation

FAA Repair Station 5DSR549C

ENGINE LOG

N4815J C-33A DATE: 05/8/15 Tach: 712.4

Eng. TT: 1585.0 TSOH: 1.5 Ground run

This is to certify that the engine described herein has been overhauled to Manufacture's new parts tolerances and limits where applicable by D'Shannon Aviation. Engine disassembled, cleaned, inspected, repaired and reassembled with Newly overhauled ECI cylinders and a crankshaft reground by Rick Roman. Crankcase has been NDT inspected IAW ASTM E-1444 by CSI. All other engine parts and accessories where overhauled or replaced with new. This engine has been Dynamic Balance IAW FAA Approved Standards and Processes. It has been tested for 1.5 hours on DSA's Dyno in accordance with data approved by and acceptable to the FAA. Details of this overhaul are on file at this repair station under WO# 2110

All applicable AD's are complied with as of this date

See folder attached for details and part/component tags for this overhaul. **IO-520-BB SN: 1001567**

The Maintenance above was performed in accordance with applicable airworthiness standards and returned to service John C. Clegg for CRS 5DSR549C Accountable Manager



YEAR	DATE	AMR SERVICES INC.	Engine TSOH:	ations ber of ntries.)
20				

Engine: IO-520-CB (41) CBB

Eng. TT 1585.0

Engine TSOH: 1.5

May 9, 2015

Tach. Time: ~~894.5~~ 712.4

Performed the following maintenance:

1. Complied with an Annual Inspection referencing the Beech 35-C33A Maintenance Manual.
2. Performed a Differential Compression Check with the following results: Cylinders #1 78/80, #2 78/80, #3 78/80, #4 78/80, #5 78/80, #6 78/80
3. Removed engine M/N IO-520-BA S/N 121128-6-B and installed overhauled engine M/N IO-520-CB (41) CBB S/N 1001567 with new engine shock mounts. Replaced all engine hoses and ducting with new.
4. Installed D-200 cooling air engine baffles P/N DW-200A-01/02 S/N 1408-12-03 in accordance with D'Shannon Products Installation Manual No. DSP-IM95-2, revision 6, dated April 16, 2002, revised 5/15/2013. Per STC SA368CH. See document DP-ICA-200 for instructions for continued airworthiness. Weight and balance negligible.
5. Serviced with Phillips 20W/50 type M oil.
6. Verified the magneto-to-engine timing, found satisfactory.
7. Ground run the engine and found it functioning normally. Leak checks found to be satisfactory.

This engine has been inspected in accordance with FAR Part 43.13 Appendix D and is approved for return to

FAA - PMA

This tag certifies that Sky-Tec Model No. **C12ST5**

Serial No. **2C5-121510** was manufactured new on 26 Mar 2015

by Sky-Tec under the authority of FAA-PMA No. PQ0852SW

Supplement No. **6** in accordance with Sky-Tec's

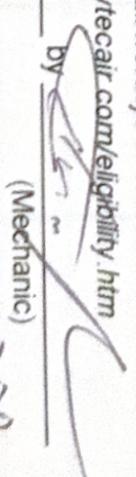
FAA-Approved Quality System (14CFR Part 21, Subpart K).

This article has been determined to be airworthy.

For installation eligibility see www.skyteccalc.com/eligibility.htm

Installed on **N 4815J**

(Aircraft)

by 

(Mechanic)

AP26615521A



Richard Ranheim 2782108 IA

YEAR 20 <u>15</u> 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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5/20/15 7:70.0 OIL FILTER CHANGE 13 ggs Phillips
20WSO XC OPER OIL FILTER (PART) 48109-1

6/11/15 768.5 OIL ANALYSIS & CAT OPER 5.1 LTR - CLEAN (PART) 48109-1
OIL FILTER 11 ggs Phillips CH 48109-1 OIL ANALYSIS (PART) 48109-1

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
9/25/2015 TACH 812.4

Removed 6 Continental fuel nozzles P/N 627335D13AA and installed General Aviation Modifications Inc Gaminjectors kit No GAD13AA: S/N 24915 I/A/W STC SE09217SC filed 337 form no change in weight and balance. Troubleshoot #1, #2 and #3 cylinder EGT intermittent Ohmed out thermocouples and removed and replaced #1 and #3 probes checked connections on probes and display unit run up ops check leak check good.
Tom Beachem AP26615521A

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
10/2/2015 TACH 816.1

Removed Sky Tec starter P/N C12ST5; S/N 2C5-421460 and installed new starter P/N C12ST5; S/N 2C5-121510 run-up ops checked good.
Tom Beachem AP26615521A

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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10/25/15 816.1 OIL FILTER CHANGE 11 ggs Phillips
20WSO XC OPER OIL FILTER (PART) 48109-1

OIL ANALYSIS X-CAT OPER FILTER 13 RESULT CLEAN (PART) 48109-1

AMR SERVICES INC.
N4815J
Engine TCM IO-520-CB-(41)
CBB
S/N: 1001567
Feb 26, 2016
Engine TSOH: 151.9 Tach. Time: 864.3
TTOE: 1736.9

Performed the following maintenance:

1. Complied with an Annual Inspection referencing the Beech 35-C33A Maintenance Manual.
2. Performed a Differential Compression Check with the following results: Cylinders #1 78/80, #2 76/80, #3 78/80, #4 77/80, #5 74/80, #6 77/80
3. Performed oil and filter change. Installed new CH48109 filter and serviced with Phillips X/C.
4. Removed, cleaned, gapped, inspected, tested, and reinstalled the Spark Plugs, no defects noted
5. Verified the magneto-to-engine timing, found satisfactory.
6. Ground run the engine and found it functioning normally. Leak checks found to be satisfactory.

This engine has been inspected in accordance with FAR Part 43.13 Appendix D and is approved for return to service.

Authorized Signature: 
Richard J. Ranheim 2782108 IA

End

YEAR 20
DATE



JUNE 17, 2016 N 4815J TACH 939.8

REPAIRED AND REPOSITIONED DEFECTIVE EDM ENGINE MONITOR SYSTEM GROUND TO ENGINE. FUNCTIONAL CHECKED GOOD.

THE AIRCRAFT AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W/O NO 76097 DATE 6/17/16

SIGNED PAUL G DAUPHINAS FOR WIPPAIRE, INC. CRS RJWR390K PHONE 651.451.1205

and Alterations
cate Number of
specific entries.)

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.)



Genesis Engines by D'Shannon Aviation

FAA Certified Repair Station # 5DSR549C

N4815J, Continental IO-520-BB, S/N 1001567
Date: 03/12/17, Eng. TT: 1026.2, TSMOH: 335.2

D'Shannon Aviation certifies that this engine has been repaired in accordance with CMI IO-520 Series Overhaul Manual P/N X30039 dated 10/2013. Component overhaul/repair list and parts list reports are provided in the document packet. Engine test run and fuel system adjusted in accordance with CMI overhaul manual and CMI Publication MO manual dated May 2016. See attached folder for component overhaul/release tags and 8130-3 airworthiness approvals. All pertinent details are on file at this repair station under WO# Long RP.

Tim Brooks
Quality Control Manager

CRS# 5DSR549C

Date: 03/12/2017

7/20/16 958.0 Oil Filter Chg 20050 201 ANA 100's 10 815
Open & with CLEAR 10 815

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
11/23/2016 TACH 1026.2

Removed right muffler for replacement. Drained oil and removed filter cut open and inspected found metal and sent to Bolduc Aviation for analysis. Removed lifters for inspection found spalling on several lifters and camshaft returned engine to D Shannon Aviation for warranty work Tom Beachem AP26615521A

YEAR 2017
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.)

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N 1001567
3/27/2017 TACH 1026.2; Eft 1898.8; Esch 313.8

Installed engine repaired by Genesis Engines by D'Shannon Aviation. Installed fuel lines and rerouted fuel flow transducer. Installed throttle and mixture cables and adjusted stops. Installed Prop governor control cable and rigged. Installed exhaust system and installed EGT and CHT probes and wiring. Installed new 48109 oil filter and service with 10 qts Phillips X/C 20W50 and 1 pint of Camguard. Preoiled engine and installed plugs. Run-up leak check ops check good. I certify that this engine has been inspected I/A/W an Annual inspection and was found to be in airworthy condition. Tom Beachem AP26615521A

5/4/17 1069.3

INSTALL NEW 48109 OIL FILTER & CWT OPER

FILTER INSPECT WAS CLEAN OF CONTAMINANTS

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
7/14/2017 TACH 1131.5

Manifold pressure erratic, checked connections suspect transducer P/N 159934A. Removed and replaced worn scat tubing from seat baffling to muffler heat shroud.
Tom Beachem AP26615521A

YEAR 2017
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.)

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
8/25/2017 TACH 1156.5

Drained oil and removed filter cut open for inspection no metal found. Installed new CH48109 Filter and serviced with 10 qts Aeroshell 15W50 run-up leak check good.
Tom Beachem AP26615521A

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
8/25/2017 TACH 1156.5

Removed JPI manifold pressure transducer P/N 159934A; S/N 5149 and installed new transducer P/N 159934A; S/N 6285. Tom Beachem AP26615521A

12/18/17 1225.4

INSTALL NEW 48109 OIL FILTER & CWT OPER

FILTER INSPECT WAS CLEAN OF CONTAMINANTS

West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313
N4815J Beech 35-C33A; S/N CE-114
12/15/2017 TACH 1223.8

Removed and replaced manifold pressure connector ops checked good.
Andrew Wiskus AP3895027

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
20				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

ENGINE LOG ENTRY N4815J (OIL CHANGE)

DATE: 04-26-18 TACH: 1,260.3 TTSN: 2,132.9 SMOH: 547.9

Drain engine oil and remove old filter. Filter cut to check for metal, none noted. Service engine with 10 quarts of Aeroshell 15W50 and install new Tempest AA48109-2 Filter. Engine run up for ops check satisfactory.

Signed: 
A&P 31232761A

Johnson Bros. Flying Service E2525 Co Hwy JJ Spring Green WI 53588 Tri County Airport (LNR) (608)341-8030

ENGINE LOG ENTRY N4815J (OIL CHANGE)

DATE: 10-02-18 TACH: 1,304.9 TTSN: 2,177.5 SMOH: 592.5

Drained engine oil and removed old filter. Cut open filter to check for metal, none was noted. Serviced engine with 10 quarts of Aeroshell 15W50 engine oil and installed new Champion CH48109-1 filter. Engine run up and leak check found to be satisfactory.

Signed: 

Owner. Commercial Pilot #3129077

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
20				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N4815J

SN# 1001567

Date 5-3-2019

Brun
A/S 15W-50

TTE:2227.3
SMOH:642.3

1. Changed oil & filter serviced with 10 Qts ~~ASW100+~~ new filter AA48109

2. Cleaned gapped & rotated plugs

3. Cleaned fuel & oil screens

4. Compression Cks #1 69 #2 71 #3 75 #4 70 #5 72 #6 70 over 80 PSI

5. Checked magneto timing

6. All routine maintenance CW

7. Ground ran engine Ops Ck good no leaks noted

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition

This Engine is approved for return to service in regards to Work performed.

Signed: 
David McCoy AP 3015278

ENGINE LOG ENTRY N4815J (OIL CHANGE)

DATE: 8-6-19 TACH: 1,395.2 TTSN: 2,267.8 SMOH: 682.8

Drained engine oil and removed old filter. Cut open filter to check for metal, none was noted. Serviced engine with 10 quarts of Aeroshell 15W50 engine oil and installed new Champion CH48109-1 filter. Engine run up and leak check found to be satisfactory.

Signed: 

Owner, Commercial Pilot #3129077

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

ENGINE Log Serv Date: 1/17/24 **5231**

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
4815J	BEECH-35-C33A	CE-114	0	0	0	1037

Crankshaft seal is leaking. Removed propeller and the old crankcase seal. Cleaned surface and installed a new seal. Cleaned propeller flange and installed a new o-ring. Reinstalled propeller and torqued. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Justin Finefield* Printed Name: Justin Finefield AP: 31073791A

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858 **5231**

Finefield Aviation **ENGINE Log** Serv Date: 4/25/24 **5302**

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
4815J	BEECH-35-C33A	CE-114	0	0	0	1041

Removed dipstick housing and adapter. Cleaned all surfaces and installed new o-rings on adapter and gasket at engine case. Replaced dipstick housing, reassembled and tightened all hardware. Ran up and checked for leaks, found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *Justin Finefield* Printed Name: Justin Finefield AP: 31073791A

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858 **5302**

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

ENGINE Log Serv Date: 8/8/24 **5382**

Aircraft	Type	S/N:	Tach:	TSMOH:	TTAF:	Hobbs
4815J	BEECH-35-C33A	CE-114	0	1068	5395.4	1068

I certify this Engine has been inspected I.A.W. with an ANNUAL INSPECTION, and was determined to be in airworthy condition, I.A.W. the BEECH maintenance manual. Compression test: 1) 74/80, 2) 75/80, 3) 70/80, 4) 70/80, 5) 70/80, 6) 74/80. Checked magneto timing to specs. Tightened rocker cover screws. Tightened intake and exhaust nuts and bolts. Tightened induction hose clamps. Removed spark plugs, cleaned, inspected, gapped, reinstalled and torqued. Cleaned and reinstalled spark plug leads. Cleaned fuel controller screen, reinstalled and safetied. Greased prop hub with Aeroshell #5 grease. Installed a new induction air filter element. Dressed propeller blade leading edges. Tightened left and right tailpipe clamp hardware at mufflers. Removed air/oil separator, plugged fitting in valve cover with JB Weld and rubber cap and hose clamp and tightened. Installed a new prop governor rod end with new hardware and rigged to specs. Installed correct duct on engine breather with two new hose clamps and secured. Installed a new right muffler. Installed new left side exhaust tailpipe links and rigged. Installed a new exhaust stud on cylinder #2 and locked in. Installed inner cylinder supports between #1 & 3 and #3 & 5 correctly. Installed a new left exhaust collector with new gaskets. Installed springs on cowl flap hinges to keep hinge holes from wearing. Washed down engine. Lubed engine controls and checked rigging. Ran up and checked for leaks found none. Adjusted takeoff fuel flow to specs.

This aircraft has been found airworthy for return to service with respect to the work described herein.

Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA

For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858 **5382**

