

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

Custom Air motive, Inc.
FAA REPAIR STATION #DC2K763K
AIRCRAFT ENGINE SERVICE
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115
(918) 836-6836
FAX (918) 836-9431

N6644Y LH

Custom Airmotive, Inc.

FAA REPAIR STATION #DC2R763K
2702 N. SHERIDAN PH. 918-836-6836
Tulsa, Okla. 74115

WARRANTY:

All engines rebuilt by Custom Airmotive after March 1, 1997, are guaranteed to be free from defects in material and workmanship, under normal use and service for six months or 240 hours; whichever occurs first. An additional prorated warranty will apply to parts only to manufacturers published T.B.O. Accessories will be guaranteed by the vendor. All parts and labor to be approved by Custom Airmotive prior to commencement of work. Cracked cylinders and crankcases excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. Proration to be based on hours logged, or 40 hours per month; whichever is greater.

THE **adlog** TM
AIRCRAFT
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ENGINE MAINTENANCE RECO

Aircraft Registration No. 6644Y

Engine Manufacturer Lyc

Model 1D-540-C4B5

Serial No. L-13158-48A

Date installed on aircraft 10/10/06

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right ☒ Left
☐ Front ☐ Rear



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965
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SERVICEABLE

Mfr. Name Lycoming

Component Name Engine Assy.

Model 1D-540-C4B5

Serial L-13158-48A

The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

Pertinent details of the repair are on file at this repair station under

Work Order No. 20161

Date 10/3-06

Signed Jim Peep for
(Sign. of Authorized Indiv.)

Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE

FAA REPAIR STATION #DC2R763K
2702 NO. SHERIDAN ROAD - BUILDING B
TULSA, OKLAHOMA 74115

CA FORM 008 10/03

Page No. 2
ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS.

TT 4118.7 TSMOH 2.1 (test run)
 Model IO-540-C4B5 S/N L-13158-48A

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

Work order no. 20161

Date Oct. 03, 2006 Signed Mark Littery for

FAA REPAIR STATION DC2R763K

Custom Airmotive, Inc.
 2702-B North Sheridan Road
 Tulsa, OK 74115 USA
 ph. 918-836-6836 fax 918-836-9431

Notes: Fuel system and magnetos were also overhauled (see appropriate tags). Spark plugs, ignition harness, oil filter and fuel pump are new. This engine is equipped with ECI (LYC.) FREEDOM NICKEL BORE cylinders.

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER 1E4
 MODEL IO-540-C4B5 S/N L-13158-48A WO# 20161 TT 4118.7

A.D.# METHOD OF COMPLIANCE
 3-14-03 P/C/W; HAD REDESIGNED SHAFT.
 4-16-05 C/W BY USE OF A NEW P/N LW-15473 PUMP.
 6-20-04 C/W; USED CORRECT GASKET W/ADAPTER.
 7-22-06 FUEL SYSTEM O-H'ED @ CRS#HK2R875K.
 3-23-01R4 N/A TO THESE NEW SL13444-1 PISTON PINS.
 5-08-09R3 P/C/W; ALSO SEE 96-09-10.
 5-09-15 FUEL SYSTEM O-H'ED @ CRS#HK2R875K.
 8-23-10 FUEL SYSTEM O-H'ED @ CRS#HK2R875K.
 9-04-05 FUEL SYSTEM O-H'ED @ CRS#HK2R875K.
 7-10-06R1 N/A PER S/N OR THESE ROCKER ARMS.
 2-12-05 N/A TO THESE NEW SL13444-1 PISTON PINS.
 5-07-01 N/A; USED NEW SL-75061 ROD BOLTS.
 5-26-02 N/A TO THIS ENGINE.
 6-09-10 C/W; USED LW18109 & 18110 GEARS (05K19423-S EQUIV.)
 6-23-03 N/A TO THIS NEW PUMP PER CODE.
 7-15-11 N/A TO THESE NEW SL13444-1 PISTON PINS.
 8-17-11 N/A; CRANKSHAFT WAS NOT SENT TO NELSON.
 002-19-03 N/A PER MODEL OR S/N.
 002-26-01 C/W BY INSP. AND SECURED LINES PER S.B.342D.
 003-14-03 N/A TO THIS A/C TYPE PUMP.
 004-05-24 C/W; USED A NEW STD2247 BOLT @ O-H.
 004-10-14 C/W S.B.475C & S.B.554 SUP. 1.(GEAR MOD. & RETENTION).
 005-19-11 N/A TO THIS SERVICEABLE CRANKSHAFT S/N 89319.
 006-10-21 N/A TO THESE GENUINE LYC. CONN. RODS.
 006-12-07 N/A TO THESE GENUINE LYC. CYLINDERS.

SIGNED Mark Littery FOR CRS# DC2R763K ON Oct. 03, 2006

DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Broadie's Aircraft Inc., Meacham Field, Loc N2, Ft. Worth, TX 76106

SUPPLEMENTAL LOG BOOK ENTRY

A/C N# 6644Y S/N: 3958

Description of work performed: LEFT ENGINE

REMOVED ENGINE 10-540-C4B5 S/N L12087-48A. INSTALLED NEW OVERHAULED ENGINE 10-540-C4B5 S/N L13158-48A. (SEE TAG). FABED NEW OIL AND FUEL HOSES. NEW BOLTS AND ENGINE LORD MOUNTS P/N J9613-12. NEW CURTIS DRAIN VALVE INSTALLED P/N CCB-37000. EXHAUST SYSTEM CHECKED FOR CRACKS. CHANGED AIR FILTER. CLEANED FIRE WALL AND MOUNT. ENGINE BAFFLES WERE REPAIRED WHERE NEEDED. CHECKED COWLING. ALL ACCESSORIES, VACUUM PUMP, HYDRO PUMP, STARTER, ALTERNATOR ETC. WERE USED AGAIN (NO OVERHAUL). FLUSHED OIL COOLER. CHECKED ENGINE CONTROLS. USED A/S 100 MINERAL OIL. REMOVED LOWER PLUGS AND TURNED ENGINE OVER TO PRE-OIL ENGINE. REINSTALLED PLUGS. WASHED ENGINE. GROUND RUN ENGINE. OPS CHECKED OK. SET IDLE SPEED UP. MIXTURE WAS GOOD. ENGINE IS READY FOR TEST FLIGHT. RETURNED TO SERVICE.

Signature: Ben Littery

Repair Station #WF1R582K

Date: 10/10/2006

TTSO 08:44
 AC/TT 5712.22
 TACH: 1611.52
 HOBBS

RO# 180343

BROADIE'S AIRCRAFT, INC.

Meacham Field, Loc. 2N
 200 Commander Rd., Fort Worth, TX 76106
 FAA Repair Station #WF1R582K
 Airframe Class 3
 Powerplant Class 1

I certify that this Aircraft/Engine has been inspected in accordance with a ANNUAL inspection and was determined to be in Airworthy Condition. Details of inspection are on file under.
 W.O. No. 180343 Date 10/10/06 Total
 Time 1611.52
 Signed Ben Littery

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DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

ENGINE MAINTENANCE RECORD

A.C.T.T.: 5221.1
TACH: 1770.3MAKE: LYCOMING
S/N: L-13158-48AREG: N6644Y
DATE: 02-10-2011

WORK ACCOMPLISHED:

1. COMPLIED WITH ANNUAL/100 HOUR INSPECTION.
2. COMPLIED WITH OIL AND FILTER CHANGE; 50 HOURS. FILTER P/N CH48110-1. SERVICED ENGINE WITH AEROSHELL OIL 100.
4. COMPLIED WITH COMPRESSION CHECKS: #1 70/80, #2 74/80, #3 80/80, #4 72/80, #5 70/80, #6 72/80.
5. REMOVED AND REPLACED #2, #4, #6 EXHAUST GASKETS WITH NEW; P/N LW-19296.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED AND REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE IN REGARDS TO WORK PERFORMED

SHAWN D. WYATT
JA #3473434
NIGHTHAWK ENTERPRISES 156 Vista Drive ~ Washington, LA 70589 ~ 337-351-0813

May 13, 2011 N6644Y Left Engine Tach: 1798.12 SMOH: 186.6

Drained oil & cut filter, no contaminants found. Installed new CH 48110-1 filter & 10 quarts Aeroshell 100W. Installed New RA 77611 "Blow Proof" exhaust gaskets, nuts, & washers on cylinders 2, 4, & 6. Washed & ground ran engine & all operations normal. Aircraft is approved for return to service for work performed.

Lloyd Ardoin

Certificate No: AP 3464259 IA

Signed: *Lloyd Ardoin*

DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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NIGHTHAWK ENTERPRISES 156 Vista Drive ~ Washington, LA 70589 ~ 337-351-0813

August 20, 2011 N6644Y Left Engine Tach: 1825.76 SMOH: 214.24

Drained oil & cut filter, no contaminants found. Installed new CH 48110-1 filter & 10 quarts Aeroshell 100W. Cleaned & tested all REM 38E spark plugs. Washed & performed ground & flight tests, & all operations normal.

Lloyd Ardoin

Certificate No: AP 3464259 IA

Signed: *Lloyd Ardoin*

November 20, 2011 Left Engine Tach 1855.77 SMOH 244.25

Drained oil and opened filter. No metal or contaminants found.

Installed a new CH48110-1 oil filter; 10 QTS of Aeroshell 100W.

Washed and performed ground and flight test. All operations

are normal.

Steve Lupkey - Aircraft Owner

Pilot Certificate No: 3226554

NIGHTHAWK ENTERPRISES 156 Vista Drive ~ Washington, LA 70589 ~ 337-351-0813

February 2, 2012 N6644Y LE: TACH: 1869.52 SMOH: 258.0

Oil & filter changed by owner, see previous log entry. Checked air filter & magneto timing. Installed new BA3-5-1 vac sock filter under nacelle cowl. Cleaned & tested spark plugs.

Comp check as follows ~ 1. 79 / 80, 2. 75 / 80, 3. 79 / 80, 4. 79 / 80, 5. 80 / 80, 6. 78 / 80.

Verified Ad compliance through 11-15-10. Washed & performed ground & flight tests, & all operations normal.

I certify this engine has been inspected IAW an annual inspection & was determined to be in an airworthy condition.

Lloyd Ardoin

Certificate No: AP 3464259 IA

Signed: *Lloyd Ardoin*

April 7, 2012 Left Engine Tach 1889.69 SMOH 278.17

Drained oil and opened filter. No metal or contaminants found.

Installed a new CH48110-1 oil filter; 10 QTS of Aeroshell 100W.

Washed and performed ground and flight test. All

operations are normal.

Steven W. Lupkey - Aircraft Owner

Pilot Certificate No: 3226554

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

LEFT ENGINE MAINTENANCE RECORD

N6644Y
PA-23-250
S/N:27-3958
Date: 06/25/2012
Tach L. Eng:1,894.3
Date: 5/25/2012

#1.) Maintenance Discrepancy: Owner requested the removal of the left engine inboard exhaust due to severe cracks a hole and bad weld repairs.

Corrective Action: Removed existing exhaust manifold from left engine inboard side. Cut exhaust to remove from crossover tube. Owner provided servicable used manifold. Installed unit with new gaskets and hardware.

"The maintenance operation described above was/were inspected and with respect to the work performed, the aircraft /engine and or component is/approved for return to service for the corrected items. Details are on file at this facility.

Signed:

Steven D. Stetson

A&P2080821

Dec 16, 2012 LE Tach 1919.14 SMOH 307.59
Drained oil and removed filter. No metal or contaminants
Found. Installed a new CH48110-1 oil filter and
10 QTS of Aeroshell 100W oil. Washed and performed
Ground & Flight test. All operations are normal.
Steven W. Lupton - Aircraft Owner
Cert. # 3226554

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DESCRIPTION OF REPAIR

OVERHAULED TO SERVICE LIMITS

MECH.

David B. Bullock

Custom Airmotive, Inc.

AIRCRAFT ENGINE SERVICE

FAA REPAIR STATION #DC2R763K

2702 NO. SHERIDAN ROAD - BUILDING B

CA FORM 006A 10/03

TULSA, OKLAHOMA 74115

PERFORMED—
PERSON PERFORMING WORK

ge

to low
removal
to low

compression - sent to Custom
Airmotive for overhaul +
reinstall with new seal's
+ gasket's + ring's + replaced
all spark plug's - checked
Mag's + timing. checked
Ex system satisfactory -
ground run satisfactory

Date: 5-1-13 SMOH 364:0

Total Time: 5377 Tach/Hobbs Time: 1916.0

I certify that this Eng. has been inspected IAW
An 100H inspection IAW FAR43 appendix D as
applicable and has been determined to be in
airworthy condition at this time.

Signed:

A&P:

1726347

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Date: 7-2-14
Total Time 368 Tach/Hobbs Time: 1930
5/11/14
I certify that this Engine has been inspected IAW
An 100hr Inspection IAW FAR43 appendix D as
applicable and has been determined to be in
airworthy condition at this time.
Signed: William Stanes
A&P: 3482821-

L/E

Date: 9-1-15
Total Time 386 Tach/Hobbs Time: 1940
11/4
I certify that this Engine has been inspected IAW
An 100hr Inspection IAW FAR43 appendix D as
applicable and has been determined to be in
airworthy condition at this time.
Signed: William Stanes
A&P: 3482821 A4P

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Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333

Date: April/ 20 / 2022

Left Engine Tach Time 2044.91 SMOH 433.35 N6644Y Serial 27-3958

Drained oil replaced with 10 qts of Aeroshell 100w, replaced oil filter with CH48110-1. Cylinder Compression #1 76/80, #2 72/80, #3 72/80, #4 60/80, #5 75/80, #6 72/80. Replaced all damaged adel clamps and removed zip ties from engine mount and replaced with adel clamps, repaired airbox baffling. Replaced Lordmounts J9613-12, inspected exhaust system, lubed cables, replaced air filter Bracket Aero BA-115. Complied with all applicable AD's see Airworthiness Directives: Compliance Report.

I certify that this Engine has been inspected IAW an 100hr Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: [Signature]

A&P3055561

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