

| YEAR<br>2003<br>DATE | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.) |
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|                      |                           |                   |                             |                                                                                                                                                                                                                   |

MAKE Lycoming MODEL IO-360-C106 S/N L-14016-51A Hours  
Total Time 2,856.00 Hours Time Since Major Overhaul ZERO Hours

This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294.7. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.

Installed four (4) new Lycoming cylinders P/N 05K21120. Reinstalled magneto: P/N 10-349305-1, S/N 8126015, overhauled by Poplar Grove Airmotive, Inc.. Installed new fuel pump P/N LW15473. Installed servo P/N 2524592-8, S/N 70028507, repaired by Precision Airmotive Corporation. Installed flow divider P/N 2524232-2, S/N 070711, overhauled by Precision Airmotive Corporation. Installed new cam and tappet kit P/N AEL100.  
---End---

All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under

Work Order # 7505 Date 5/6/2003

Poplar Grove Airmotive, Inc.

Poplar Grove Airport, Poplar Grove, IL  
FAA Approved Repair Station #YYBR664L

Signed for Poplar Grove Airmotive, Inc.

MANUFACTURER: Lycoming ENGINE MODEL: IO-360-C106 S/N: L-14016-51A WO # 7505

| AD #                                                        | DESCRIPTION                                              | COMPLIANCE STATUS                                  |
|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|
| 06-20-04                                                    | oil filter adapter gasket                                | N/A by gasket P/N                                  |
| #71-05-02 R4                                                | crankcase                                                | N/A by engine S/N                                  |
| 71-11-02                                                    | tappet plunger P/N 76290 and 73065                       | P/C/W-has tappets P/N 78290                        |
| 73-23-01 R4                                                 | piston pin P/N 69650                                     | N/A to new pins installed                          |
| 75-08-09 R3                                                 | oil pump drive shaft with woodruff key                   | N/A-has drive shaft with flats                     |
| 75-09-15                                                    | fuel flow dividers with P/N "-1"                         | N/A-flow divider P/N is "-2"                       |
| 78-23-10                                                    | fuel servo                                               | C/W by servo overhaul                              |
| 79-04-05                                                    | fuel servo                                               | N/A by servo dash no. IAW SB 433A                  |
| 90-04-06 R1                                                 | external oil line                                        | C/W by inspection IAW para (a) (1)                 |
| 91-09-07 C                                                  | fuel pump fitting                                        | N/A-engine not turbocharged                        |
| #91-14-22                                                   | crankshaft gear                                          | C/W IAW Lycoming SB 475A                           |
| Next due at engine overhaul, after propeller strike, sudden |                                                          | stoppage or whenever gear train repair is required |
| 92-12-05                                                    | piston pin P/N LW-14077                                  | N/A by date of purchase of original pins installed |
| #95-07-01                                                   | rod bolts                                                | N/A by new rod bolts installed                     |
| 95-26-02                                                    | improper fuel                                            | N/A by registration # 1299J                        |
| 96-09-10 C                                                  | oil pump                                                 | C/W IAW SB524                                      |
| 96-23-03                                                    | fuel pump                                                | N/A by installation of new Lycoming pump           |
| 97-15-11                                                    | piston pin                                               | N/A to new pins installed                          |
| #98-02-08                                                   | crankshaft                                               | N/A to engine using controllable pitch prop        |
| 98-17-11 C                                                  | crankshaft                                               | C/W by inspection of crankshaft IAW para (b)       |
| #98-18-12                                                   | rotary fuel pump                                         | N/A has diaphragm-type pump                        |
| #02-26-01                                                   | fuel injector lines next due 100 hr or annual inspection | C/W IAW Lycoming SB 342B                           |

Poplar Grove Airmotive, Inc.  
FAA Certified Repair Station YYBR664L

Date: 5/6/2003

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Tags

wo- 7505

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### Bennett Aircraft Service

2Jun03 2856hours Tach Time Engine overhauled by Popular Grove Airmotive, see preceding entry for details. Engine oil cooler cleaned and checked by Positech International Inc. All fuel and oil hoses replaced. Engine baffling reconditioned. New oil filter and 8 quarts Aeroshell 80 mineral oil added. I certify this engine was inspected in accordance with an annual inspection and is determined to be in airworthy condition.

Robert Bennett  
T.A.

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DATE July 27, 2010  
N1299J S/N 299 Hobbs 1907.7 Tach 3570.27 T.T. 3570.27  
Lycoming IO-360-C1D5 S/NL-14016-51A SMOH 690.91  
Hartzell HC-E3YR-1RF  
Drained engine oil and replaced 8 QTs w/ Aeroshell 15w50 oil, removed, replaced, and inspected oil filter,  
no defects noted P/N ES48110. Ops Check Leak check passed, OK for service.

David G. Cobb A&P [REDACTED] /A

September 16, 2010  
N1299J S/N 299 Hobbs Tach 3572.99 T.T. 3572.99  
Lycoming IO-360-C1D5 S/NL-14016-51A SMOH 716.99  
Hartzell HC-E3YR-1RF

Performed annual inspection 1AW Current Commander service data and checklist and FAR 43 appendix D.  
Drained engine oil and replaced 7 QTs w/ Aeroshell 15w50 oil, removed, replaced, and inspected oil filter,  
no defects noted P/N AA48110. Replaced left magneto w/ OH unit Ser.# 9091403 and reinstalled and  
timed to engine 1AW current Bendix TCM service instructions Performed compression test with the  
following results, 1) 77/80 2) 76/80 3) 78/80 4) 77/80. Cleaned sump screen. Removed, gapped and rotated  
spark plugs. Replaced Air filter PN BA-3905. Leak checked muffler at 10PSI, checked O.K. AD's C/W  
per TData list in AC records.

I certify that this engine was inspected in accordance with an annual inspection and determined to be in  
airworthy condition.

David G. Cobb A&P [REDACTED] /A

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DATE 2011  
3/8 3608.10 1949.1 3608.10 -O- SMOH This engine was overhauled  
to factory New limits, balanced, blueprinted, portmatched, flowed,  
and a noscor type valve job. The Clys were also nicke plated by PAP  
Aircraft Clys of America and the performance work done by PAP  
6081 6082 6083 6084 w/o #2784 All AD's C/W thru TData 2011-08 (list  
attached). Rods exchanged with 4 units from D+D 01312133Y w/o #  
12219. Crank, Cam, Lifters, Hy Units, tach shaft, rocker arms, &  
gears reconditioned by Aircraft Specialties DD2R764K w/o 204455,  
Mag's and fuel injection system overhauled by Professional A/C Rec  
PO5R554Y w/o 55038. Buffing reconditioned by Gunn Motion Inc w/o  
1640. New parts installed: Crankcase, GAM I injectors, oil pump gears,  
vernatherm, Crank gear bolt, attaching hardware, main brgs, rod brgs, rod  
bolts, Rod nuts, Rod bushings, thru bolts, fuel pump, pump push rod,  
Pistons, Pins, Rings, C/W bushings rollers plated & rings, Cyl base  
nuts, Valves, guides, springs, locks, lash caps, rocker arm shafts  
& bushings, oil return lines & hoses, Mag clamps, adols, harness, spark  
plugs, push rod tube springs, oil pressure valve spring, oil filter.

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### WARRANTY

The engine or component identified below is guaranteed against failure due to workmanship or materials for a period of 300 hours or 6 months, whichever occurs first. At our option, we will repair or replace any defective component at our facility at LaFayette, Georgia, USA. Transportation to and from our service center in LaFayette, GA is the responsibility of the owner/operator. Abuse, neglect, and/or failure to perform required manufacturer's recommended maintenance voids this warranty.

Component: Engine

Manufacturer: Lycoming

Model #: J6360C106 Serial #: L14016-51A

Hours of Installation: 360810 Date of Installation: 3/8/11

GANN AVIATION, INC.

P.O. Box 493 • LaFayette, GA 30728

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April 6, 2011  
N1299J S/N 299 Hobbs Tach 3608.10 T.T. 00.00  
Lycoming IO-360-C1D5 S/NL-14016-51A SMOH 00.00  
Hartzell HC-E3YR-1RF

Removed engine for repair of crack in the crankcase at the #4 cylinder base. Installed Gann zero time engine onto airframe. Filled w/ 8 quarts Aeroshell 100 straight mineral oil. Replaced all engine hoses w/ new cleaned checked and installed oil cooler and run tested for leaks none found.

I certify that this engine was inspected in accordance with an annual inspection and determined to be in airworthy condition.

David G. Cobb A&P [REDACTED] /A

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N1299J Airframe Log Entry, Aircraft S/N:299

Dir: 9/18/13, Tach: 3298.72

Removed vacuum pump P/N-211CC installed new TEMPEST AA231SCC vacuum

Pump. Operational check found to be satisfactory.

This aircraft is approved for return to service with regard to the work performed.

██████████ Darin Heffelfinger, A&P ██████████

M&M Aviation Service, Ltd.

Whiteside County Airport, ██████████ Rock Falls, IL 61071

October 23, 2013

N1299J S/N 299

Hobbs

Tach 3808.88

T.T. 3808.88

Lycoming IO-360-C1D5 S/NL-14016-51A

SMOH 200.78

Hartzell HC-E3YR-1RF

Drained engine oil and replaced 8 QTs w/ Aeroshell W100 oil, removed, replaced, and inspected oil filter. no defects noted P/N AA48110. Ops Check Leak check passed, OK for service.

David G. Cobb A&P ██████████ I/A

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August 2013 ~~APR~~ Dec. 27, 2013

N1299J S/N 299

Hobbs

Tach 3834.71

T.T. 3834.71

Lycoming IO-360-C1D5 S/NL-14016-51A

SMOH 226.61

T.T. 226.61

Hartzell HC-E3YR-1RF

T.T.O.H.00.00

Replaced the number three intake port plug. Removed propeller for prop strike inspection. Removed propeller governor for prop strike inspection. Reinstalled both after overhaul from Sensinich propeller services in Gainesville. Operations check and leak test passed. OK for service per these repairs.

David G. Cobb A&P ██████████ I/A

November 3, 2014

N1299J S/N 299

Hobbs

Tach 3877.38

T.T. 3877.38

Lycoming IO-360-C1D5 S/NL-14016-51A

SMOH 269.28

T.T. 269.28

Hartzell HC-E3YR-1RF

T.T. 00.00

Removed engine for prop strike On August 9, 2014. Reinstalled on above date after inspection by Gann aviation. Replaced air and oil filters and filled w/ 8QTs aeroshell 100 straight mineral oil.

I certify that this engine was inspected in accordance with an annual inspection and determined to be in airworthy condition.

David G. Cobb A&P ██████████ I/A

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November 3, 2014  
N1299J S/N 299 Hobbs Tach 3877.38 T.T. 3877.38  
Lycoming IO-360-C1D5 S/NL-14016-51A SMOH 269.28 T.T. 269.28  
Hartzell HC-E3YR-1RF T.T. 00.00

Installed new propeller after prop strike

I certify that this propeller was inspected in accordance with an annual inspection and was determined to be in airworthy condition.

David G. Cobb A&P [REDACTED] I/A

January 9, 2015  
N1299J S/N 299 Hobbs Tach 3894.00 T.T. 3877.38  
Lycoming IO-360-C1D5 S/NL-14016-51A SMOH 312.9 T.T. 3877.38  
Hartzell HC-E3YR-1RF T.T. 16.62

Drained engine oil and replenished w/ 8 Qts Aeroshell 100 straight mineral oil. Replaced oil filter w/new AA48110-2 filter. Leak check Passed. OK form service.

David G. Cobb A&P [REDACTED] I/A

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Gann Aviation, Inc.

Engine Logbook Entry

Date: 10-15-14 N Number: 1229J Engine Make: Lycoming  
Model: IO360-C1D6 SN: L-14016-51A Tach: 3877.38 SMOH: 269.30  
This engine was disassembled, cleaned, inspected, repaired, and assembled I/A/W  
Lycoming overhaul manual. All AD's C/W through Tdata 2014-20 (See Attached  
list). The steel parts were inspected by Aircraft Specialties DD2R764K WO#  
226305. The Magneto's were overhauled by CMI P/N BL-349365-3 and BL-  
349305-1. New part's Installed C/wt rollers, Bushings, Plates, and Snap Rings,  
Main Bearings, Crank Gear Bolt, attaching hardware, Clamps, Rod Bearings, Rod  
Bolts, Rod Nuts, Push Rod Tube Springs, Oil Return Hoses, Gaskets, Lock Tabs,  
O-Rings, and Seals.

This engine is approved for return to service.

Signature:

Carlus Gann P [REDACTED]

\*\*\*\*\*END\*\*\*\*\*

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August 5, 2015

N1299J S/N 299

Hobbs

Tach 3958.33

T.T. 3958.33

Lycoming IO-360-C1D5 S/NL-14016-51A

SMOH 350.23

T.T. 350.23

Hartzell HC-E3YR-1RF

T.T. 80.95

Performed annual inspection IAW Current Commander service data and checklist and FAR 43 appendix D. Drained engine oil and replaced 8 QTs w/ Aeroshell W100 oil, removed, replaced, and inspected oil filter, no defects noted P/N CH48110. Performed compression test with the following results, 1) 75/80 2) 79/80 3) 76/80 4) 79/80. Cleaned sump screen. Removed, gapped and rotated spark plugs. Replaced Air filter PN BA-3905, AD's C/W per list in AC records.

I certify that this engine was inspected in accordance with an annual inspection and determined to be in airworthy condition.

David G. Cobb A&P [REDACTED] I/A

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N 1299 J MAKE RACHWELL MODEL 112

THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.41) HAS BEEN PERFORMED THIS DATE 16 SEPT. 15

ALTIMETER TESTED IN COMPLIANCE WITH FAR 91.41 PART 43

TO 2200 FEET DATE 16 SEPT. 15 STATIC SYSTEM CHECK

PERFORMED BY RAY ALLEN'S ELECTRONICS, INC BUTLER, GA. F.A.A.

R/S/HS-4024M

SIGNED [REDACTED]

UNITED STP ACT

DATE 16 SEPT. 15

(MAKE) GARMIN

(SERIAL) [REDACTED]

HAS BEEN TESTED, INSPECTED AND FOUND TO

COMPLY WITH APPENDIX E OF F.A.R. 43 AND PART 91.41, F.A.A. K/HS-4024M

SIGNED [REDACTED]

TESTS PERFORMED BY RAY ALLEN'S ELECTRONICS, INC BUTLER, GA.

February 5, 2016

N1299J S/N 299

Hobbs

Tach 4017.76

T.T. 4017.76

Lycoming IO-360-C1D5 S/NL-14016-51A

SMOH 436.00

T.T. 4001.14

Hartzell HC-E3YR-1RF

T.T. 140.35

Drained engine oil and replenished w/ 8 QTs Aeroshell W100. Replaced oil filter w/ new AA48110-2 filter. Bank check Passed. OK for service.

David G. Cobb A&P [REDACTED] I/A