

MIXG

The Standard



ENGINE LOG

ASA-SE-1



MODEL SE-1



ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER LYCOMING MODEL AEIO-360-B1G6

SERIAL L-22487-51A TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT GREAT LAKES 2T-1A-2
N1XG SN 1001

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard



ENGINE LOG

REGISTERED OWNER RECORD

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____
NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____
NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____
NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____
NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NOTES

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

11/29/04 Lycoming AEIO-360-B1G6 s/n L-22487-51A Tach 735.36 TTE 735.36
Removed from N1XG, Great Lakes 2T-1A-2 s/n 1001 for overhaul.

Benjamin M. Redman
AP 473119579

MAKE	Lycoming	MODEL	AEIO-360-B1G6	S/N	L-22487-51A
Total Time	735 36	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 05K21104. Installed two (2) new Slick magnetos right P/N 4371. S/N 04111459 and left P/N 4371, S/N 04111455. Installed fuel pump P/N LW15473, S/N AA18744 newly overhauled by Aero Accessories, Inc.. Supplied fuel servo RSA-5AD1, P/N 2524682-8, S/N 70249201, rebuilt by Precision Airmotive, LLC. Installed flow divider P/N 2524232-2, S/N AB522, overhauled by Precision Airmotive, LLC. Supplied starter P/N MZ-4222, S/N D062668 -----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 # 8783 Date 12/27/2004

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: AEIO-360-B1G6 S/N: L-22487-51A WO# 8543

AD #	DESCRIPTION	COMPLIANCE STATUS
98-02-08	crankshaft failure	N/A by constant speed prop.
97-15-11	piston pin failure	N/A to new pins installed
96-23-03	in flight engine failure	N/A to overhauled fuel pump
96-09-10 C	oil pump failure due to impeller	P/C/W IAW SB 524
84-13-05	in flight propeller flange separation	N/A by engine S/N
75-08-09 R	oil pump failure	N/A by S/N
78-23-10	fuel servo	C/W by servo overhaul
79-04-05	fuel servo	N/A by servo dash no. IAW SB 433A
87-10-06 R1	rocker arm	N/A rocker P/N P/N LW-18790 not installed
90-04-06 R1	external oil line	C/W by inspection IAW para (a) (1)
91-08-07 C	fuel pump fitting	N/A engine not turbocharged
#04-10-14	crankshaft gear	C/W IAW Lycoming SB 475C
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 new pins installed
95-07-01	connecting rod bolt P/N 75060	N/A to new bolts installed
#02-26-01	fuel injector lines	C/W by inspection

Next due at 100-hour/annual inspection

Poplar Grove Airmotive Inc.

FAA Certified Repair Station YYBR664L




Date: 12/27/04



6/19/06 Lycoming AEIO-360-B1G6 s/n L-22487-51A Tach 000.00 SMOH 000.00 TTE 735.36
Installed in NIXG, Great Lakes 2T-1A-2 s/n 1001 with new Lord p/n J7401-2 mounts, new hardware and
reconditioned engine mount (Kosola and Associates w/o 32446). Installed reconditioned oil cooler (Pacific
Oil Cooler w/o 45650). Installed overhauled Hartzell Governor F-6-31Z s/n D477T (Aircraft Propeller
Service Inc. w/o 74258). Reconditioned baffles and attached new baffle material. Installed rebuilt exhaust
(AWI w/o 19548) and new stack extension supports. Installed overhauled Hartzell propeller model HC-
C2YK-4BF s/n AU11902B and new Hartzell spinner assembly p/n 835-41. Filled with 8 qt. Aeroshell
80M. Test run and leak check OK. *I certify that I have inspected this ENGINE in accordance with an
ANNUAL/100 hour inspection and found it to be in airworthy condition.*

Benjamin M. Redman
AP 473119579 IA

9/24/06	20.1 TACH	COMPRESSION CHECK RESULTS #1 75/80	
#2 75/80	#3 75/80	#4 75/80	OPERATIONAL CHECK NORMAL END
William B. McAdams			
AP 411049207 IA for Ocean Airline			

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10/9/6	33.2			Oil + filter change. 8 qt Shell 100 filter split - no residue / fragments Run up + checked OK. J Greenwell
12/4/6	57.8			up clean fuel injectors - pressure test OK J Greenwell

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2007				
1/15/7	66.5			Oil + filter change - filter & debris. add shell 100 added. run up OK J Greenwell
<div style="text-align: center;">  Aircraft Engineering, Inc. Bldg. 434 Bartow Airport Bartow Florida 33830 863.533.1870 FAA VF4R594M </div>				
DATE: 1/26/2007		TACH: 99.0		
N1XG		ENGINE		WO# A 1716
1 CHANGE OIL & FILTER. SERVICE w/8 QTS 100W 2 TEST RUN UP NORMAL				
THE AIRCRAFT, ENGINE(S), OR COMPONENT ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER				
A1714		DATE: 1/26/07		SIGNED
FOR AIRCRAFT ENGINEERING, INC. #VF4R594M BARTOW AIRPORT, BARTOW, FLORIDA 33830				
4/6/7 Tach = 99.0 Oil + filter changed 7 qt Aeroshell 100 w/plus added Good run OK. J Greenwell				

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11/3	548			
548	113			
 Aircraft Engineering, Inc. Bldg. 434 Bartow Airport Bartow Florida 33830 863.533.1870 FAA VF4R594M				
 Aircraft Engineering, Inc. Bldg. 434 Bartow Airport Bartow Florida 33830 863.533.1870 FAA VF4R594M ANNUAL STATEMENT				
Date <u>7/9/07</u> SMOH <u>113</u> TAC <u>113</u> Total Time <u>848</u> I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and has been determined to be in airworthy condition. AD'S thru Card <u>2007-13</u> AD list back of log book. For details work order # <u>A 769</u> Bill Turley Signature #VF4R594M Inspector Rating				
DATE: 7/10/2007 TACH: 113 N1XG ENGINE WO# A 769				
1 ANNUAL INSPECTION COMPLETE 2 COMP TEST 80 PSI. 1.74 2.74 3.74 4.74 3 CHANGE OIL & FILTER. SERVICE w/8 QTS 100W 4 INSTALL NEW AIR FILTER 5 REMOVE & REPLACE ALL FUEL & OIL HOSES WITH NEW 6 INSTALL NEW GAMI NOZZLES. SEE 337 THIS DATE 7 INSTALL AIRWOLF REMOTE AIR FILTER. SEE 337 THIS DATE 8 AD 02-26-01 LYCOMING LINES. C/W BY INSPECTION 9 AD 04-25-22 ALT AIR DOOR. C/W BY INSP & REPAIR				


DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
01/12	137		878	DRAINED ENGINE OIL. Filled with 8 QTS AeroShell 1100 PLUS R. Deantano
04/12				
04/12	150		880	CHANGED OIL & FILTER - FILTER CUT & CHECKED, NO METAL. Filled w/ 5 QTS AeroShell 1100 PLUS RAN UP & NO LEAKS
05/8	153		888	CHANGED oil & filter
07/07	153		888	REMOVED old CHAISTEN inverted oil system flushed all hoses & engine with MINERAL SPIRITS. Installed NEW CHAISTEN inverted system. Filled system with 8 QUARTS AeroShell 100, RAN ENGINE.
				- OVER -

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small>
				FROM OVERHAUL CHECKED FOR LEAKS. NONE SEEN. DRAINED OIL TO BE SURE SYSTEM PURGED OF ALL MINERAL SPIRITS. CHANGED FILTER. FILLED WITH 8 QUARTS AERO-SHELL 100W. INSTALLED OVERHAULED FUEL INJECTOR, PART # 2524682-8 RSA-5AD1 SERIAL #71020, OVERHAULED BY AMETEK B&S AIRCRAFT PARTS & ACCESSORIES, WO# RO8-04155, COPY IN AIRCRAFT RECORDS. INSTALLED STAINLESS STEEL BRAIDED COVERS ON OIL NOSES.

[illegible]

125 Airport Road
Saint Simons Island, GA 31522
912-638-8667

HOBBS:


Kirk A. Ramsey
A&P 250534036 IA

OF
(IES.)

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DATE

19__



AVIATION REPAIR
ST. SIMONS ISLAND, GA

11 SE APRON DRIVE
ST. SIMONS ISLAND,
GEORGIA 31522
912-638-8667

DATE: 08/05/2015

N: 1XG

LOG: ENGINE

MAKE: LYCOMING

MODEL: AEIO-360-B1G6

S/N L-22487-51A

TACH: 0249.4

HOBBS:

COMP. TIME:

CONDUCTED 100HR INSPECTION IAW APPROVED GREAT LAKES 2T-1A-2 INSPECTION GUIDE. COMPRESSION RESULTS: 1. 71/80 2. 72/80 3. 74/80 4. 75/80. CLEANED AND GAPPED SPARK PLUGS. REMOVED FILTER AND INSPECTED FOR CONTAMINANTS, NONE FOUND. INSTALLED AND SAFTIED NEW (P/N: CH48109-1) FILTER. CLEANED FUEL INJECTOR NOZZLES AND STRAINER. REPLACED CLAMP HOLDING LEFT EXHAUST INSULATION W/ A NEW 64MM BREEZE CLAMP IAW GREAT LAKES M.M. CLEANED CONNECTIONS TO #4 EGT PROBE. OPS CHECK NORMAL. WASHED ENGINE AND COWLING. PERFORMED POST INSPECTION RUN-UP AND LEAK CHECK. NO LEAKS NOTED.

END

[Signature]
KIRK A. RAMSEY
A&P 3543915 IA

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DATE

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AVIATION REPAIR
ST. SIMONS ISLAND, GA

11 SE APRON DRIVE
ST. SIMONS ISLAND,
GEORGIA 31522
912-638-8667

DATE: 07/12/17

N: 1XG

LOG: ENGINE

MAKE: LYCOMING

MODEL: AEIO-360-B1G6

S/N L-22487-51A

TACH: 0267.0

HOBBS:

COMP. TIME: 267.0 TSMOH

CONDUCTED 100HR INSPECTION IAW GREAT LAKES 2T-1A-2 INSPECTION GUIDE. COMPRESSION RESULTS: 1. 80/80 2. 74/80 3. 80/80 4. 62/80. DRAINED OIL AND TOOK SAMPLE FOR ANALYSIS. REMOVED FILTER AND INSPECTED FOR CONTAMINANTS, NONE FOUND. INSTALLED AND SAFTIED NEW (P/N: CH48109-1) FILTER. SERVICED ENGINE WITH 8 QTS AEROSHELL W100 PLUS OIL. CLEANED FUEL INJECTOR NOZZLES AND STRAINER. CLEANED AND GAPPED SPARK PLUGS. REMOVED PROP SPINNER AND INSPECTED PROP ASSEMBLY. LUBED PROP ASSY WITH AEROSHELL 5 GREASE. REINSTALLED PROP SPINNER. OPS CHECK OK. WASHED ENGINE AND COWLING. PERFORMED POST INSPECTION RUN-UP AND LEAK CHECK. NO LEAKS NOTED. OPS CHECK OK.

END

[Signature]
KIRK A. RAMSEY
A&P 3543915 IA

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TRIES.)

DATE

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AVIATION REPAIR
ST. SIMONS ISLAND, GA

11 SE APRON DRIVE
ST. SIMONS ISLAND,
GEORGIA 31522
912-638-8667

DATE: 09/11/2019

N: 1XG

LOG: ENGINE

MAKE: LYCOMING

MODEL: AEIO-360-B1G6

S/N L-22487-51A

TACH: 0276.5

HOBBS:

COMP. TIME: 276.5 TSMOH

PERFORMED 100HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH APPROVED GREAT LAKES 2T-1A-2 INSPECTION GUIDE. COMPRESSION RESULTS: 1: 69/80 2: 68/80 3: 70/80 4: 68/80. DRAINED OIL AND TOOK SAMPLE FOR ANALYSIS. REMOVED FILTER AND INSPECTED FOR CONTAMINANTS, NONE FOUND. INSTALLED AND SAFTIED NEW FILTER (P/N: CH48109-1). SERVICED ENGINE WITH 8QTS OF AEROSHELL W100 PLUS OIL. CLEANED AND GAPPED SPARK PLUGS. CLEANED FUEL INJECTOR NOZZLES. CLEANED FUEL STRAINER. REPLACED FUEL STRAINER GASKET AND UPPER BOWL GASKET USING NEW FUEL STRAINER GASKET KIT (P/N: FS-KT-1). CHECKED MAGNETO TIMING. WASHED ENGINE AND COWLING. PERFORMED POST INSPECTION RUN-UP AND LEAK CHECK. NO LEAKS NOTED. ALL APPLICABLE A.D.'S COMPLIED WITH THROUGH THIS DATE. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

KIRK A. RAMSEY
A&P 3543915 IA

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09 04.2022- Great Lakes / N1XG / Lycoming AEIO-360 SN-L-22487-51A

TACH - 282.6 SMO- 282.6

Performed 100/Annual Inspection IAW Great Lakes 2T-1A-2 Insp.Guide
Compression results: #1: 72/80 #2: 78/80 #3: 78/80 #4: 74/80. Drained Oil and replaced With AeroShell W100 Removed oil filter, cut open and examined, found no metal. Replaced & safetied w/ new filter (109-1).
Cleaned, gap checked & replaced spark plugs. Washed and degreased engine space and cowling. Performed post inspection run-up/power/leak check-No Leaks Noted. All applicable AD's complied with. I certify this engine has been inspected IAW a 100HR/Annual Inspection – and was determined to be in AirWorthy condition. Return to service OK.

Stephen S. Gray IA, 1932063

04 Sept. 2022

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ST. SIMONS ISLAND, GA

11 SE APRON DRIVE
ST SIMONS ISLAND,
GEORGIA 31522
912-638-8667

DATE: MARCH 4, 2024

N: 1XG

LOG: ENGINE

MAKE: LYCOMING

MODEL: AEIO-360-B1G6

S/N L-22487-51A

TACH.

HOBBS: 0282.7

COMP. TIME. 282.7 TSMOH

CONDUCT 100HR/ ANNUAL INSPECTION. PERFORMED 100/HR ANNUAL INSPECTION IN ACCORDANCE WITH APPROVED GREAT LAKES 2T-1A-2 INSPECTION GUIDE. PERFORMED VISUAL INSPECTION OF ENGINE. PERFORMED ENGINE RUN-UP. COMPRESSION RESULTS: 1: 77/80 2: 76/80 3: 79/80 4: 71/80. BORESCOPED ALL CYLINDERS AND INSPECTED ALL VALVE ASSYS, NO FAULTS FOUND. DRAINED OIL, REMOVED FILTER, AND INSPECTED FOR CONTAMINANTS, NONE FOUND. INSTALLED NEW OIL FILTER (P/N: AA48109) AND SAFETIED. SERVICED ENGINE WITH 8 QTS AEROSHELL W100 OIL. CLEANED FUEL INJECTOR NOZZLES AND STRAINER. REPLACED SPARK PLUGS WITH 8 NEW CHAMPION SPARK PLUGS (PN REM40E). OPS CHECK NORMAL. WASHED ENGINE. PERFORMED POST INSPECTION RUN-UP AND LEAK CHECK. NO LEAKS NOTED. RESEARCHED A.D.'S AND UPDATED LOGBOOKS. I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HR INSPECTION AND IS AIRWORTHY AT THIS TIME.

KIRK A. RAMSEY
A&P 3543915 IA

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