

DATE	TACH TIME	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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YEAR _____
DATE _____

19 September 2006

All recommended parts listed in the Lycoming Overhaul Manual and Service Bulletin SB#240S were installed at time of this overhaul... (see list below):

*FAA-PMA Parts are frequently substituted for Textron-Lycoming factory parts.

1	SL7S439-1	GASKET SET	1	AN565B1032HS	SET SCREW
1	SL-STD-1211	EXPANSION PLUG	4	SL13922A	CONN ROD BUSHING
1	SL-STD-2213	CRANKSHAFT BOLT	3	SL31H-0.68	BOLT
2	AEL13884	BEARING, CRANKSHAFT FRONT	4	69832	HOSE
4	AEL11021	BEARING, CRANKSHAFT	4	SL-STD-1821	DRAIN HOSE
8	AEL72877	LIFTER	1	1W-13472B	FUEL PUMP, OMC
8	AEL75061	BOLT, CONNECTING ROD	1	AEL13600	VALVE, TEMPERATURE CONTROL
8	SL13186	CONN ROD NUT	1	CH48110-1	OIL FILTER
8	AEL13521	BEARING, CONNECTING ROD	1	61158H	C/S GEAR, MODIF.
1	AEL76121	SHAFT, TACHOMETER	4	AK113790	SHAFT, ROCKER, PARALLEL
1	NS18825-1081	CLIP	2	AEL12692	THROTTLE BUTTON
4	SL13444-1	PISTON PIN WITH PLUGS	4	HL80396	ROCKER ARM BUSHING
1	78531	BODY, OIL PUMP	4	SL74637	ROCKER ARM BUSHING
1	AEL18109-S	OIL PUMP IMPELLER KIT	1	SL18840	NEW CAMSHAFT, L/W THROTTLE
1	SL1028-B	BALL-CHROME ALLOY	4	MS27215-2	PLUG-DEHYDRATOR
1	61084	SPRING	4	EC1	NEW TITAN CYL ASST WITH CERMINIL BARREL/EC1

Certified Engines Unlimited Inc

** Opa Locks Airport, Florida USA
FAA CSR#04RJO9M

Inv/wc#46742/25398

*** date: 19 September 2006

19 September 2006

This Lycoming engine, model O-360 A1D, s/n L-28198-36A, was Major Overhauled by Certified Engines Unlimited, Inc., of Opa Locka, Florida according to factory recommended procedures, specifications, limits & pertinent Federal Aviation Regulations.

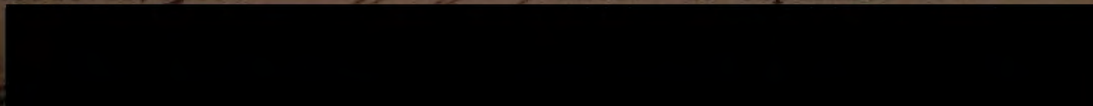
All internal steel parts were magna-fluxed by Gold coast Aero Accessories, Inc. CRS#GCDR387X & all non-ferrous materials were checked for cracks. All the guidelines from the Lycoming Table of Limits SSP#1776 and Overhaul Manual #60294-7-9 were followed at time of overhaul. The Fuel Pump was OHC by Aero Accessories, CRS#YV4R688M. All tags received from the accessory suppliers are located at the rear of this logbook. The Camshaft was supplied new. The crankcase OHC by Crankcase Services Inc CRS#H1HR0960. Crankshaft s/n 147909, n/a AD #2006-06-16. Four new 'Titan' Cylinder assemblies W/~CERMINIL~ barrels.

Certified Engines Unlimited Inc ** Opa Locka Airport, Florida USA

FAA CRS#KG4R309M

Inv/wo#46742/25398

date: 19 September 2006

Authorized Signature: 

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19 September 2006

After final assembly, this engine was run-in for a period of three hours with all temperatures, pressures & performances within these limits as prescribed by the factory.

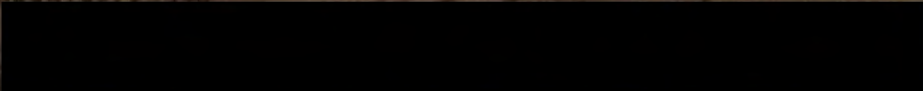
All airworthiness directives complied with at major overhaul are listed at the rear of this logbook. This engine is airworthy and acceptable for return to normal service.

Certified Engines Unlimited Inc ** Opa Locka Airport, Florida USA

FAA CSR#KG4R309M

Inv/wc#46742/25308

date: 19 September 2006

Authorized Signature: 

Frank Hayes, Sr.

Certified Engines Unlimited, Inc.

YEAR

DATE

MFG. Textron Lycoming

MODEL D-360-A1D

SERIAL # L-28198-36A

TOTAL TIME 668.14 HRS.

AD. NOTES: CW SEE REAR OF LOG

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER
DATE 9/19/06

[Redacted Signature]

SIGNATURE OF AUTHORIZED INDIVIDUAL

FOR CERTIFIED ENGINES UNLIMITED, INC.

4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054
Phone: (305) 685-8331 Fax: (305) 681-8027

JAR 145 APPROVED

4000 N.W. 145 St. - Airport
Opa-Locka, Fla. 33054
Phone: (305) 685-8331
Fax (305) 681-8027

**CERTIFIED
ENGINES
UNLIMITED, INC.**

FAA Approved Repair Station No. KG4R369M

Part Name ENGINE

Part No. D-360-A1D

Invoice/Work Order# 46742/25398

Remarks D SINCE MAJOR OVERHAUL
+ TSSC Run

SERVICEABLE



on total 16,500

Causeway

DATE

DATE

TIME



MAINTENANCE RELEASE

FAA CRS# KG4R309M

The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

CAUTION!

This engine has been run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty. For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.

CAUTION!

Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul. eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

Pertinent details of the repair are on file at this agency under:

INV/WO# 46743/25328

Date 9/19/06

Engine Record General Information

19 February 2007

Manufacturer: Textron Lycoming

Model O-360-A1D

Serial: L-28198-36A

Type Certificate: E-286-R19

*This engine is currently installed
in aircraft: PA23-160 N21009 (RH)*

Minimum Octane Fuel: 91/96 OR
100/130

Oil Grade Summer: 50W
Winter: 40W

Magneto Time: 25° BTC

Spark Plug Gap: .016 - .021

Firing Order: 1-3-2-4

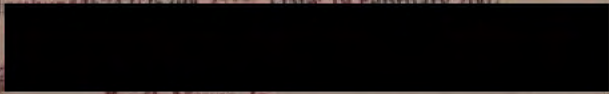
**Manufacturer's Recommended
TBO at 2000 hours**

Comments:

Certified Engines Unlimited Inc **** Opa Locka Airport, Florida USA

FAA CRS#KG4R309M

Index #4571375208 **** Date: 19 February 2007

Authorized Signature: 

Frank Neves, Jr.

YEAR
DATE

Miller Aviation, Inc
605 SW 77th Way
Pembroke Pines, FL 33023

terations
umber of
ic entries.)

Rt. Engine

N2100P Lt. Tach: .31 TTE: 669.75 SMOH: 0.0 14 July 2010
Model #: O-360-A1D S/N: L-28197-36A

Performed Engine Condition Inspection. Inspected previously installed engine, records indicate engine Overhauled 09-19-06, Unknown Installation date. Engine Modified by Owner by installing Fuel Injection, Turbo, Intercooler, Pressurized Magneto's, Oil Fuel lines & hoses, Ducting & controls. Inspected installation of EI UBG-16 Fuel Flow Transducer, EGT & CHT probes & wiring for proper routing, connections & security per Installation Manual. Inspected & lubed all engine controls. All spark plugs removed, cleaned, inspected, tested, regapped & installed. Performed compression ck: #1 75/80, #2 70/80, #3 68/80, #4 75/80. Checked & set magneto timing. Drained oil & removed oil filter, filter opened & inspected. Serviced engine w/ 7 qts Aeroshell 100 Plus & installed new oil filter CH48110. Oil Screen cleaned, inspected & installed. All electrical cables & wiring inspected. Propeller Governor removed for overhaul, installed & set IAW Piper Service Manual. AD 06-10-21 ECI Connecting Rods & AD 06-12-07 ECI Parallel Valve Cyl Assy. Not Applicable by Parts installed. AD 06-20-09 Crankshaft Retirement. Not Applicable by Engine & Crankshaft Serial No's installed. AD 07-04-19 Superior Air Parts Cast Cyl Assy's, Not Applicable by Parts installed. AD 2004-10-14 C1 Crankshaft Gear & Gear Retaining Bolt. Not Applicable at this time. AD 06-12-07 ECI Parallel Valve Cyl Assy & AD 07-04-19 Superior Air Parts Cast Cyl Assy's, Not Applicable by parts installed. Complied w/ AD 08-08-14, Fuel Injector Servo Plug, next due 6610.77 TTAF. Complied w/ AD 08-14-07, External Fuel Injection Lines, next due 6660.77 TTAF. AD 2009-26-12, ECI P N AEL65102 "TITAN" Cyl's, not applicable by parts installed. All AD's checked thru 2010-14, See AD compliance list attached to log books. Engine cleaned & ground ran for leak checks. I certify this Engine has been inspected per 14 CFR, Part 43, Appendix D and determined to be in a condition for safe operation.

R. W. Miller A&P

DATE

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Hollywood Aircraft Maintenance

1602 SW 77th Ave

Pembroke Pines, FL 33023

Make: PIPER

Model: PA-23

Reg. No.: N2100P

Date: 11/18/13

S/N: 23-688

TIAF:

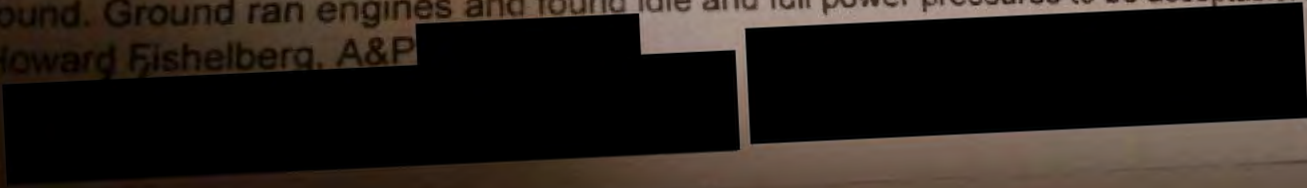
Engine Log

Type: lycoming

S/N:

Removed cylinder and inspected for issues. Issues with the cylinder bore were noted and cylinder was sent to ECI, Inc for repair. Cylinder was returned to us in serviceable condition. Cylinder was reinstalled on RH #3 Cyl location with new gaskets. All cylinder accessories were attached IAW PA23 Service Manual. Engine was ground ran and found to be operating properly. No leaks detected. Removed fuel pumps from LH and RH Engines. Send to Quality Aircraft Accessories for overhaul. Reinstalled LH and RH Overhauled fuel pumps. Leak checked good. No defects found. Ground ran engines and found idle and full power pressures to be acceptable. No further defects noted.

Howard Fishelberg, A&P



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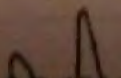
Miller Aviation, Inc
605 SW 77th Way
Pembroke Pines, FL 33023

Rt. Engine

N2100P Lt. Tach: .31 TTE: 669.75 SMOH: 0.0 15 Mar. 2012

Model #: O-360-A1D S/N: L-28197-36A

Performed Engine Condition Inspection. Engine ground ran to operational temps & pressures. Removed engine cowling for inspection. Adjusted R1 Propeller to Proper Static RPM, set to 2690 RPM. Oil/Fuel lines & hoses routed & secured. All electrical cables & wiring inspected. Replaced seals on #1 cylinder Intake pushrod. Idle/Mixture set. I certify this Engine has been inspected/serviced and determined to be in a condition for safe operation.


R. W. Miller A & P 4546908

DATE

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Technician or Repair Facility. (See back pages for other specific entries.)

Hollywood Aircraft Maintenance

1602 SW 77th Ave

Pembroke Pines, FL 33023

Make: PIPER

Model: PA-23

Reg. No.: N2100P

Date: 11/18/13

S/N: 23-688

TIAF:

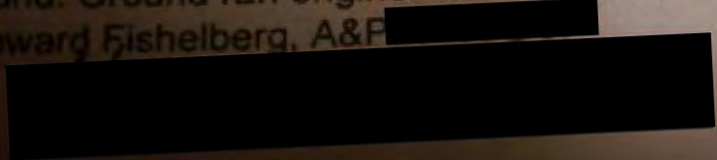
Engine Log

Type: lycoming

SIN:

Removed cylinder and inspected for issues. Issues with the cylinder bore were noted and cylinder was sent to ECI, Inc for repair. Cylinder was returned to us in serviceable condition. Cylinder was reinstalled on RH #3 Cyl location with new gaskets. All cylinder accessories were attached IAW PA23 Service Manual. Engine was ground ran and found to be operating properly. No leaks detected. Removed fuel pumps from LH and RH Engines. Send to Quality Aircraft Accessories for overhaul. Reinstalled LH and RH Overhauled fuel pumps. Leak checked good. No defects found. Ground ran engines and found idle and full power pressures to be acceptable. No further defects noted.

Howard Fishelberg, A&P



entries.)

FL 33023

: N2100P

TTAF:

S/N:

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DATE	TAC TIME	FLIGHT	TIME IN SERVICE	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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11/05/2014

RH Engine

N2100P

LH Tach: 50.01

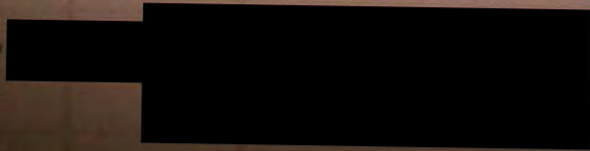
RH Tach: 49.31

TTAF: 6611.77

Completed Condition Inspection IAW 14 CFR 91.409 to the scope and detail of 14 CFR 43 Appendix "D". All engine compressions were at or above 70/80. No engine services were performed at this inspection. AD Research Completed and all applicable recurring AD's were complied with or found to be in compliance at this inspection. No additional modifications at this time.

I certify this aircraft engine has been inspected IAW 14 CFR 91.409 to the scope and detail of 14 CFR 43 Appendix "D" and was found to be in a condition for safe operation.

James Robert Stone, A&P



, AIP [Redacted] IA

Miller Aviation, Inc
605 SW 77th Way
Pembroke Pines, FL 33023

Rt. Engine

N2100P Lt. Tach: 51.0 TTE: 720.44 SMOH: 51.0 01 Mar. 2015

Model #: O-360-A1D S/N: L-28198-36A

Engine cleaned & ground ran for operational checks, temps & pressures noted. Performed Engine Condition Inspection. Inspected all Fuel/Oil lines for proper routing, security & Leakage. Drained oil & removed oil filter, complied w/ Lycoming SB 480E, Oil Filter cut opened & inspected for debris & metal contamination, no metal found. Oil Screen cleaned, inspected & installed. Serviced engine w/ 8 qts Aeroshell 100 Plus & installed new oil filter CH48110. Oil Screen cleaned, inspected & installed. Inspected installation of EI UBG-16 Fuel Flow Transducer, EGT & CHT probes & wiring for proper routing, connections & security per Installation Manual. Inspected & lubed all engine controls. All spark plugs removed, cleaned, inspected, tested, regapped & installed. Performed compression ck: #1 78/80, #2 75/80, #3 74/80, #4 76/80. Checked & set magneto timing. All electrical cables & wiring inspected for routing & security. AD 2004-10-14 C1 Crankshaft Gear & Gear Retaining Bolt, Not Applicable at this time, next due at Propeller Strike or Sudden Stoppage. Complied w/ AD 08-14-07, External Fuel Injection Lines, next due 6711.46 TTAF. All AD's checked thru 2015-03. See AD compliance list attached to log books. Engine cleaned & ground ran for leak checks. I certify this Engine has been inspected per 14 CFR, Part 43, Appendix D and determined to be in a condition for safe operation.

Daniel Posada

Alterations
Number of
cific entries

YEAR

DATE

