

AVCO LYCOMING

ENGINE LOG

 **AVCO** LYCOMING DIVISION

WILLIAMSPORT, PENNSYLVANIA 17701

SSP 1872

Right
AVCO LYCOMING DIVISION
WILLIAMSPORT, PA. 17701

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF Avco Lycoming

MAKE

MODEL

SERIAL

FROM

19

TO

19

DETAILING TIME FROM

TO

HOURS

HOURS

SSP 1872

June 1972

REMANUFACTURED ZERO TIME RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been repaired, run-in and tested as prescribed by **AVCO LYCOMING** specifications and Federal Aviation Regulations. All applicable Airworthiness Directives and **AVCO LYCOMING** Bulletins have been complied with at time of remanufacture. No further run-in is required.


MODEL LTD-360-E1A6D SERIAL NO. RL-000212-74T
DATE 03/29/85 P.L. STRYKER

(AUTHORIZED REPRESENTATIVE)

 **AVCO** LYCOMING WILLIAMSPORT DIVISION
WILLIAMSPORT, PENNSYLVANIA 17701

FORM NO. 776-E

ENGINE DESCRIPTION

Mfgr.  AVCO LYCOMING DIVISION	Place	WILLIAMSPORT, PA. 17701	Date
Type	Model	Serial No.	
Rated H.P.	Max.H.P.	Weight (Dry)	
Rated R.P.M.	Max. R.P.M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		
Reduction Gear Ratio			
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial No.	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.		
Pitch	Diameter	Length	
Name			
Address			

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
Apr 15-86			Hobz - 652.5 - 51.5 - 50-H Checked True Lines checked Exhaust system Checked All Engine Controls Checked All Master Mount Balts. Drained Oil refill with Aeroshell 50W Cleaned Oil Screen Put on Oil filter No. OF-51-A Put in Oil Additive - A-D-80-04-03 Compression Check: (1) $\frac{12}{80}$ - (2) $\frac{12}{80}$ - (3) $\frac{12}{80}$ (4) $\frac{12}{80}$		
<p>TO THE BEST OF MY KNOWLEDGE I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ACCORDING TO A</p>					
<p>100 449</p>			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
<p>FOUND TO BE AIRWORTHY.</p>			Brought Forward		
<p>SECTION AND</p>			Total to Date		

Jay O. Gilly A&P-712031716

SERIAL No. _____

[illegible]

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
July 8-86			50 hour Check Hobbs - 0704 - Previous 16525 Checked & Cleaned Plugs Check Magnets Checked all Oil & fuel lines Changed Oil - Aerashell - 50 Put in Oil Additive Cleaned Oil & Gas screens. All work was done according to Piper Injection Report No. 1 Greased Prop. Checked Air in Prop.		
			Page Total (over)	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
April 17 - 1987			Hobbs. Previous 652.5 Present 748.4 Cleaned Plugs Cleaned Oil Screen Changed Oil Filter Replaced with OESIA. Cleaned Air Filter Checked Exhaust system & Engine Mount all O.K. Drained Oil. Put in 6 qts Aero Shell 50W Compression Check ① $8\frac{1}{2}$ - ② $8\frac{1}{2}$ - ③ $8\frac{1}{4}$ - ④ $8\frac{1}{2}$ TO THE BEST OF MY KNOWLEDGE I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ACCORDING TO A 100 hr <u>100 hr</u> Inspection INSPECTION AND I <u>DEEMED</u> TO BE AIRWORTHY	Oil Addicten - AD-80-04-03 Checked Air on Prop. Jay D. Lilly 7/2031716	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

**LICENSE
NUMBER**

DATE _____

TIME

Hrs. Min.

REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

SIGNATURE

DATE 4/17/81 T.T. IN SERVICE 82-7

DATE 4/1/40 I CERTIFY THAT
AD'S CHECKED THRU: 87-7
INSPECTED IN ACCORDANCE

AD'S CHECKED THRU: 8/1/54
THIS eng HAS BEEN INSPECTED IN ACCORDANCE
WITH Annual INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION 8/1/54 - Loe

SIGNED:

NUMBER:

Page Total

Brought Forward

Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
3-10-88	HOBBS		800.0 SMOH 199.0 HR CHANGE OIL AND FILTER, INSPECT SCREENS INSPECT CONTROLS, 4W AD 80(04-03 R2) BP TNSP. AND INSTALL ADDITIVE. <i>[Signature]</i> A#P519886010		
7-14-88	HOBBS		838.1 SMOH 237.1 HRS CHECK COMP. #1 75/80, #2 73/80, #3 76/80, #4 76/80, CLEAN AND GAP PLUGS, CHECK MAG. TIMING, CLEAN AIR AND FUEL FILTERS, PRESS. CHECK EXHAUST, INSPECT		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
7-27-89	8	87.6	<p>HRS. \$MOH. 286.6 HRS CHANGE OIL AND FILTER, C/W ADDO-04-03 BY INSTALLING ADDITIVE AND INSP. OF SCREENS & FILTER, CHECK COMP. #1 76/80, #2 75/80, #3 74/80, #4 76/80, CLEAN AND GAP PLUGS, CK 'MAG. TIMING, CLEAN FUEL SCREEN, CLEAN AIR FILTER, INSP. EXHAUST AND IND. SYSTEM THIS ENGINE HAS BEEN INSP. FOR A 100HR TUST IN ACCORD. WITH FAR 43 APP. D AND IS AIRWORTHY FOR RETURN TO SERVICE.</p>		
			Page Total	<p>All Repair Data Must Be the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.</p>	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
			checked Compression 1- ⁷² / ₈₀ 2- ⁷² / ₈₀ 3- ⁷⁶ / ₈₀ 4- ⁷⁵ / ₈₀ certify that this Engine has been		
			checked, Magn + time, checked exhaust	Inspected in accordance with annual	
			& turbo system. Installed new	inspection and was determined to be in	
			in the air filter. Installed new	airworthy condition.	
			bottom plugs. Installed new	Mechanic <u>William R. Brubaker</u>	
			oil cooler hoses. Installed	A & P no: <u>1053223 TA</u>	
			new camshaft seals. change	Date <u>Sept 21, 1990</u>	
			oil & filter. add oil additive.	Tach <u>925</u>	
			checked controls. Installed new	Total time <u>324 5 MOH</u>	
			alternator Belt.		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

Right Engine
12/20/91

N83003

TCM LTO-360-E1A6D
S/N RL-212-74T
TT 361.4

- *Completed 100 hour inspection on engine
- *Compression tested all 75/80 or better
- *Spark plugs cleaned, gapped & rotated
- *Removed mag, cleaned, greased bearing, installed new points, internally timed
- *Mag installed & adjusted to 22°
- *Mag switch functionally checked
- *Mag switches wires reversed at the switch
- *Complied with AD 80-4-3 by inspecting oil filter & adding Lycoming additive LW16702
- *Installed new dip stick gaskets
- *Induction & exhaust system pressurized & checked for leaks
- *Fuel screen inspected & cleaned
- *Primer nozzles unplugged
- *Propeller inspected, serviced, dressed & painted
- *Engine controls inspected & lubricated
- *Engine washed, checked for oil leaks
- *Engine ground run, checked o.k.

CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH AN ANNUAL INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION.

Mark L. Thompson
DA 503907175

LICENSE
NUMBER

DA

N83003 Right Engine
A/C Hobbs 989.9
TTSRM 388.9

LTO-360-E1A6D
SNRL-000212-74T
10-13-94

- *100 hr Inspection completed on engine
- *Compression tested all 74/80 or better
- *Magnetos timing checked
- *Spark plugs cleaned, gapped & rotated
- *Oil & filter changed, serviced with 6 qts of Aeroshell 15W50 AD 80-4-3 complied with
- *Magnetos switches functionally checked
- *Propeller serviced & inspected, also inspected in accordance with AD 90-2-23, reinspect for AD each 50 hrs
- *Controls inspected & lubed
- *Engine washed & ground run, leak check okay
- *WO #1788 on file this station

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH 100 HOUR INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION

Frank A. Schuchman
AEP 503907175

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LICENS
NUMBE

N83003

Right Engine

LT0-360-E1A6D

Hobbs 1015.2

TT 414.2

3/9/95

- * 100 hr Inspection completed
- * Compression #1-75 #2-74 #3-76 #4-78/80
- * Checked timing
- * Changed oil & filter C/W AD 80-4-3
used 15W50 *crashell*
- * Spark plugs cleaned, gapped & rotated
- * Tightened valve covers
- * Controls inspected & lubed
- * AD 78-09-07 Due at 1101. hobbs *Impulse*
- * Engine washed & ground run
- * C/W AD 90-2-23 prop hub due every 50 hrs
- * Checked AD's thru 95-04M
- * WO #2071 on file

I CERTIFY THAT THIS engine
HAS BEEN INSPECTED IN ACCORDANCE
WITH 100 hr INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION.

Don Valde
A/P 504041875

Indorsement
d his Rating
e Shown.

ATURE

LICENSE
NUMBER

N83003 PA-180T S/N 44-8107018 7/27/98

TT 437.6 HRS

*R/H engine Lycoming LTO-360-E1A6D S/N RL-212-74T

*Complied with AD 80-04-03R2 no contamination found

*Compression test: 1.78, 2.78, 3.76, 4.76

*Greased prop & dressed prop blades

*Complied with AD 96-12-07 mag. 'X'=.036

*Cleaned, gapped & rotated spark plugs

*Pressure tested exhaust system

*Changed oil & filter with 6 qts W100(50wt), LW-16702 additive & CH48103 filter

*Cleaned engine

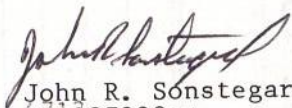
*Cleaned Gascolater & screen

*Timed magneto to engine

*Complied with SB 719 engine mount inspection

*Complied with AD's thru 7/13/98 CD ROM

I certify this engine has been inspected in accordance with a 100 hr inspection & found to be in an airworthy condition.



John R. Sonstegard
471387320IA

URE

LICENSE
NUMBER

orsement
his Rating
Shown.

6/15/00

LTO-360-E1A6D

S/NRL-212-74T

ACTT 1059.8

HOBB's 1059.8

EngineTT 458.8

IE LOG SERIAL No. _____

* C/W 100hr inspection IAW PA 44-180T inspection guide.

* Compression tested as follows 1=72, 2=72, 3=72, 4=72/80.

* Drained oil, inspected oil filter, installed new filter and Aershell 50W Deg. With

1 LW-16702 additive. This C/W AD 80-4-3.

* Spark plug's cleaned, gapped, and rotated.

* Magneto timing checked.

* AD Listing updated thru CD-ROM 5-29-00.

* Engine washed. Control's lubed.

* Ground run up completed.

* Work order 3270 on file this station.

E-REMARKS

SIGNATURE

LICENSE
NUMBER

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH 100 HR INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION

QUEST AVIATION, INC.

ABERDEEN, SOUTH DAKOTA

F. A. A. App'd. Repair Station OW5R108N

Kevin Brown AP503927199

All Repair Data Must Bear the Endorsement
of a Certificated Mechanic, and his Rating
and Certificate Number MUST be Shown.

Brought Forward

Total to Date

12-18-01 LTO-360-E1A6D ACTT 1078.4
ENGINE TT 477.4 S/N RL-212-74T HOBBS 1078.4

- * Complied with 100 Hour inspection IAW PA-44-180T inspection guide.
- * Compression tested as follows: 1 - 76 2 - 76 3 - 75 4 - 76/80.
- * Drained oil, inspected filter and serviced with Aeroshell 50W, with 1 LW-16702 additive, and CH48103 filter. Leak check ok.
- * Spark plugs cleaned, gapped, and rotated.
- * Installed two new RHB37E spark plugs on #2 and #4 bottom cylinders.
- * Checked magneto timing. Checked good.
- * AD Listing updated through CD-ROM 12-10-01.
- * Complied with AD 80-04-03 R2 by visual inspection of oil suction screen and filter, no metal found at this time. Next due at 1128.4 HOBBS.
- * Washed and lubed engine.
- * Ground run up completed.
- * Work Order # 3739 on file at this station.

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH 100 HR INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION

QUEST AVIATION, INC.

ABERDEEN, SOUTH DAKOTA

F. A. A. Appd. Repair Station GW58108N

Patricia A. P. S. 3967775

Repair Data Must Bear the Endorsement
Certificated Mechanic, and his Rating
Certificate Number MUST be Shown.

SIGNATURE

LICENSE
NUMBER

OG SERIAL No. _____

Total to Date

5-28-03 LTO-360-E1A6D S/N RL-212-74T ACTT 1081.1 HOBBS 1081.1
ENGINE TT 480.1

- * Complied with 100 hour inspection IAW PA-44-180T inspection guide.
- * Compression tested as follows: 1 - 77 2 - 78 3 - 74 4 - 77/80.
- * Drained oil, inspected filter and serviced with Aeroshell 50W, with 1 LW-16702 additive, and CH48103 filter. Leak check ok.
- * Checked magneto timing, checked good.
- * Complied with AD 80-04-03 R2 by visual inspection of oil suction screen and filter, no metal found at this time. Next due at 1131.1 HOBBS.
- * AD 2002-12-07 d/n/a by date code listed in AD.
- * Washed and lubed engine.
- * Ground run up completed.
- * Work Order # 4157 on file at this station.

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH 100 HR INSPECTION
AND IS DETERMINED TO BE IN AN AIRWORTHY
CONDITION.

QUEST AVIATION, INC.
ABERDEEN, SOUTH DAKOTA
A. A. Appd. Repair Station OW5R108N
Kevin Brown

RIAL No. _____

SIGNATURE
LICENSE
NUMBER

Not Bear the Endorsement
mechanic, and his Rating
or MUST be Shown.

Total to Date

ENGINE LOG SERIAL No. _____



11-1-2006

S/N RL-212-74T

N83003

HOUR METER 1091.7

Lycoming LTO-360-E1A6D

TOTAL TIME 490.7

- Completed and 100 hour inspection in accordance with Pipers inspection guide
- AD 80-04-03 R2 complied with by installation of Aero shell 15w50 at the oil change
- AD 2005-12-06 on the impulse coupling is N/A by engine model
- AD 80-25-07 R1 on the oil cooler complied with by visual inspection
- Compression tested #1-77 #2- 76 #3- 77 #4-76
- Oil and filter changed, serviced with Aero shell 15w50
- Installed new vacuum pump on the right engine P/N 212CW S/N 119111
- Installed new Brackett air filter P/N BA-3510 see 337 form for details
- Replaced exhaust gaskets on cylinder#2 & #4

Inspection Maintenance Release: I certify that Powerplant has been inspected in accordance with 100 HR inspection and was determined to be airworthy. Details on file at this agency on Work

Order # 4775 Signed Mark Lehrkamp  for CRS # OW5R108N 4440 East Hwy 12 Aberdeen, South Dakota Phone (605) 225-8008

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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		Total to Date	

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
6/4/66			<p>TT 1098.4 <u>SN OH</u> 497.4</p> <p>Engine inspected FAW 100 hr Inspection using Lys. Manual</p> <p>Compression cell upper 70[±]. Checked mag - engine timing</p> <p>Checked all engine controls OK at this time all AD²D</p> <p>CW at this time. See T Data sheets. Test run</p> <p>with no leaks</p> <p>I certify this engine has been inspected FAW</p> <p>and is in Airworthy Condition.</p> <p>Jack Jones 1382672 FA</p>		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

DATE _____

Service Bulletins, Letters, Instructions & A D Notes

AD-80-04-03 Complied by Adding Recommended Oil Addition

5/10/18 H11016 Spent 500.41

Engine inspected IAW 100 hr inspection using
Sycs manual Compression all in 70³
checked mag - engine tuning, Checked & lubed
all controls OK at this time. All A D's
C.W. at this time. See T data sheets
Test run with no issues

I certify this engine has been inspected
IAW and is in an airworthy condition
Jack Jones 1382672 I A

DATE 9-24-19

Service Bulletins, Letters, Instructions & A D Notes

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S08. 6 ETT

Logbook Ended This Date. *John Boyle* 34207231A

