

LIMITED WARRANTY

TO: J & S Aviation
ENGINE Lycoming O-320-E2A
SERIAL: L-19195-27A
WORK ORDER 303058

AIRCRAFT: _____
REGISTRATION: _____
TACH OR HOBBS: _____
DATE OF OVERHAUL: 4-25-03

AMERICA'S AIRCRAFT ENGINES, INC. warrants this engine, to be free from defects in materials and workmanship furnished by America's Aircraft Engines, Inc. for twelve (12) months or 500 hours, whichever occurs first. Accessories will be warranted by respective vendors.

This engine, excluding accessories, is further warranted to be free from defects in materials furnished by America's Aircraft Engines, Inc. until T.B.O. on a pro-rated basis on parts. For the purpose of calculating pro-ration, a minimum of 40 hours per month from the date of overhaul will apply. Replacement or repair of engine, component, or parts under this Limited Warranty will not extend the warranty period. Installation or removal cost are excluded under pro-rated portion. Cracked cylinders and cracked crankcases excluded from all warranty unless it can be determined that they are a direct result of improper assembly.

To exercise this Limited Warranty, America's Aircraft Engines, Inc. must be promptly notified of the discovery of any defect or failure by call or letter fully describing such defect or failure to:

America's Aircraft Engines, Inc.
P.O. Box 582453 • Tulsa, OK 74158
(918) 371-3000

All warranty work is to be accomplished in Tulsa, Oklahoma by America's Aircraft Engines, Inc. unless approval is granted in writing by America's Aircraft Engines, Inc. for work to be accomplished elsewhere or by anyone else, prior to commencement of such work. America's Aircraft Engines, Inc. reserves the right to furnish any or all parts thereof.

America's Aircraft Engines, Inc. is not responsible for any consequential loss associated with any failure or defect under this Limited Warranty and no allowance will be made for down time, loss of use, hotel, freight, transportation or any other incidental expense directly or indirectly associated with such defect or failure.

This Limited Warranty is expressly in lieu of all warranties and representations, expressed or implied in fact or by law including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. The work to which this Limited Warranty applies is deemed to have been accomplished in Tulsa, Oklahoma and in the event of a dispute on this Limited Warranty, the laws of the State of Oklahoma shall apply and any litigation shall be maintained only in the State of Oklahoma in a court of Competent Jurisdiction.

This Limited Warranty gives you specific...

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.)

RETRIEVE ACFT AFTER LANDING INCIDENT. TAXIED THROUGH
CONSTRUCTION OBJECTS - DAMAGED LEFT WING AND FUSelage -
STORED ACFT IN HANGAR.

09-15-02 TACH 3016.3

STARTED WORK TO REPAIR ACFT. REMOVE & REPLACE LEFT WING,
FUEL TANK, AILERON AND FLAP. PAINTED TO MATCH AIRCRAFT IN
ORIGINAL PAINT SCHEME. REMOVE AND REPLACE BOTH MAIN
GEAR LEGS WITH SERVICABLE RE-CONDITIONED UNIT FROM J.T. EVANS
AIRCRAFT. (OLD ONES WERE ~~NOT~~ NOT GOOD EXTREME CONDITION). REPLACED RIGHT
MAIN AND NOSE TIRE WITH NEW GOODYEAR FIT CUB TIL TIRES. REPLACED
LEFT BRAKE CALIPHER WITH NEW UNIT. REPLACED ALL FOUR BRAKE
PADS. CLEANED WHEEL UNITS & INSTALLED NEW O-RINGS. (contd →

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.)
19				Service and Bled Lines - Testy BRAKES good. Remove & Replace Tail Stroke unit with PMA & unit. Replaced left wheel Fairing after painting to match Aft scheme. Remove Nose Baul. Repair top of Baul with 5 layers of Fiberglass. Repair & Paint outside. INSTALL FIAP, Aileron, and Stabilizer GAP Seals IAW STC # SA603GL. (See FAA Form 337 dated 6-11-03) Installed wing Root Fairings in Accordance with STC #1216GL See FAA Form 337 Dated 6-11-03. Installed O-320 E2A Engine modified to 160 HP (STC 367CH) in accordance with STC # 413CH. (BOTH 337's Attached in Records. # 413CH dated 6-11-03 (Continued Next page.)

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.)
				(Continued.) installed Bracket Air Filter Assembly in accordance with STC #SA 693CE. (see FAA Form 337 dated 3-11-03. Assembly # BA-104 / Element # BA-3. Remove and Replace Oil Cooler Hoses with New type Fireslender Hoses. That comply with TSO 53A Type D. install All old Fireslender Hoses (Complete) with New Fireslender Hoses. install New Wing GAT Seal on Both wings. install Fuel PLACARD on left wing and Quantity Reading. install Serviceable Right elevator Trim TAB due to Dent in old one. install New E17 unit and Remate shield antennas. Test unit in accordance with FAR 91.207-D. OK. Battery expire MARCH 09- (Continued Next Page) →

DATE	RECORDING FAH 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.)
10-76-07-12				(Continued) Remove & Replace STIFFEN Channel on Bottom of Fuselage with Serviceable Channel STIFFEN. Service & Pumped up all water tanks after Pumping and Deflating STIFFEN. Lubed & inspected all Flight Controls, CRABS, ETC AFTER Rigging All all SATFIED, Rigged & tensioned. Remove Bottom Canvas. STRIP due to 3 small areas of corrosion where paint was SKINNED off. Primed & Repainted. Inspected wings & Fuselage, lubed all Control Hinges, and Searched ADS, compiled New list, Installed New paper air FILTER. (AD 84-26-02) AD 95-26-13 CW 13 Installation of new Hoses (See prev. page) INSTALL NEW LIPT Detector Switch on left wing. (Tested in flight OK) (Contd next page)

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.)
(Continued.)				INSPECTED AIRCRAFT USING Checklist for annual inspection. 08-06-03 / TACH 3016.3
				I certify the aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. John Hamman 456543146 IA
				Annual inspection completed 08-06-03. Note: AIRCRAFT Requires A Test Flight Prior TO Passengers.
08-06-03.				AIRCRAFT Test Flown And All systems, Engine Propeller, Aircraft Trim was Satisfactory

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER
MECHANIC OR REPAIR FACILITY (SEE BACK PAGES FOR OTHER SPECIAL INSTRUCTIONS)

DATE
5/20/07

TACK TIME
"0"

TOTAL TIME
3 Hrs. 3

N3552K
PA28-23623

C/W Annual per F.A.R. 43 Appendix D. Remove all inspection panels and inspect, lube controls. Clean and pack wheel bearings, replace brake pads, check lights. C/W F.A.R. 91-207-D E.L.T. for operation, battery due 3/09. C/W F.A.R. 69-22-02-R2 by inspection of both control yokes. F.A.R. 70-26-04-R2 not due until 3181.7 hours. Clean service and charge battery, replaced all inspection panels and washed aircraft.

I certify this aircraft was inspected I.A.W. an annual inspection and was determined to be in airworthy condition.

Signed [Redacted Signature] [Redacted Signature] IA

[illegible]

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.)
7/7/09	3460			Jacked Aircraft and installed strut Kit # JMRM91 in both main gears. and P/N 06-03965 Kit in nose strut. adjusted tension on torque link bolts and installed Cotter Pins. Inflated struts to recommended pressure 140 psi. Manual. Several battery. Installed new battery in ELT. Due June 2008. Checked Nav lights. I have inspected this aircraft
		IAW FAR APP D for a AN VAC and determined it to be		in airworthy condition.
				[REDACTED] [REDACTED] IA

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.)
2/15/14	00 48.2			Installed 3 new 600 X 6 X 4 Airtrax tires and tubes.
				Installed fresh batteries due Feb. 2016.
				adjusted pressure in oleo struts.
				Installed fresh Gill Main battery.
				Serviced all pulleys and hinges.
				AD's researched and complied with.
				I certify that I have inspected this
				aircraft I/A/W A ANNUAL and within
				the guidelines of FAR 43 APP(D) and have
				determined it to be airworthy at this time
				[REDACTED] [REDACTED] [REDACTED]

The Standard
 -AIRCRAFT LOG

ASA/SA-1

YEAR DATE	RECORDING TACH 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.) and Alterations
2/15/14	0048.2			B+R Cowlings. Removed spark plugs checked and checked gap to .16. Checked cyl compression. #1 74 #2 76 #3 74 #4 76 over 80 PSI. Checked mag timing to 25° BTC. No oil leaks noted. oil and changed by owner. I have inspected this Eng. for a ANNUAL and determined it to be in satisfactory condition. App IA

DATE	TIME	SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
7/7/09	34.6		Drained oil and installed New 48110 oil filter. 7 qts new shell 100 oil. Cyl. Compression all above 70/80. R&R cleaned fuel strainer and re-sealed. Wires Mag Check good. I Certify that I have inspected this engine and propeller for a 100 hr Annual and determined them to be in Airworthy condition. I A

YEAR

RECORDING

TACH

TIME

TODAY'S

FLIGHT

TOTAL

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.)

DATE

DATE

5/20/07

TACH TIME

"0"

T.S.M.O.

100.0

N3552K

L-19195-27A

Compression #1 72/80 #2 78/80 #3 78/80 #4 78/80 Clean gap and rotate spark plugs, change oil and filter. Service W/T 7 quarts Aero Shell 15w50. Cut open oil filter, no metal found. Clean oil screen. Clean fuel screen. C/W F.A.R. 70-16-05 by inspection of muffler. Clean engine run up and check for oil leaks, none found.

I certify this engine was inspected I.A.W. an annual inspection and was determined to be in airworthy condition.

Signed

IA

5/20/07

"0"

I have inspected this Propeller I.A.W. Sensenich service Manual and determined it is airworthy.

IA

YEAR

03

DATE

RECORD

TACH

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.)

4-29-03

3016.3

THIS ENGINE WAS MODIFIED IN ACCORD.
WITH STC # S.E 367CH (UPGRADE TO
160 H.P.)

P#

05-15-03. INSTALLED THIS ENGINE IN PIPER PA-28-140
N3552K

08-06-03 TACH 3016.3 Engine Runup good. Run engine for
3 Runs - :30 cumulative. Ready for Test Flight.
Annual inspection on Engine & propeller completed the
date.

14

DATE

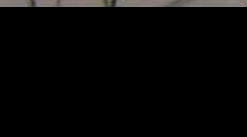
MAKE LycomingMODEL O-320-E2ASERIAL # L-19195-27ADATE 4-25-03TIME SMOH 0.0TOTAL TIME 3016.3

America's Aircraft Engines, Inc. certifies that this engine has been disassembled, overhauled and tested in accordance with recommended procedures and all clearances and tolerances are within specified limits. Procedures and limits used are as contained in engine manufacturers overhaul manual number 60294-7.

America's Aircraft Engines, Inc. certifies the engine identified above was overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Following A.D.'s complied with SEE NOTES

Pertinent details of the overhaul are on file at America's Aircraft Engines, Inc. under work order number 303058

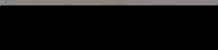
Signed



Authorized Signature

For **America's Aircraft Engines, Inc.**
P.O. Box 582453
Tulsa, OK 74158

FORM AAE 101

CERTIFIED REPAIR STATION NO. 

LYCOMING O-320-E2A S/N L-19195-27A W/O 303058 A.D. NOTES

A.D. 55-02-02 AMD N/A AFFECTED GASKET NOT INSTALLED.

A.D. 59-10-07 N/A AFFECTED CLAMPS NOT INSTALLED.

A.D. 63-23-02 AMD 39-627 N/A NEW CYLINDER ASSEMBLIES INSTALLED.

A.D. 64-16-05 AMD 765 N/A AFFECTED FUEL PUMP NOT INSTALLED.

A.D. 66-20-04 AMD 39-277 N/A AFFECTED FILTER ADAPTER GASKET NOT INSTALLED.

A.D. 73-23-01 R4 AMD 39-2804 N/A AFFECTED PISTON PINS NOT INSTALLED.

A.D. 75-08-09 R3 AMD 39-3013 C/W I.A.W. SB 381 B.

A.D. 87-10-06 R1 AMD 39-6293 N/A AFFECTED ROCKER ARM NOT INSTALLED.

A.D. 91-14-22 AMD 39-6916 C/W CRANKSHAFT & GEAR MODIFICATION, INSTALLATION AND INSPECTION.

A.D. 92-12-05 AMD 39-8265 N/A AFFECTED PISTON PINS NOT INSTALLED.

A.D. 93-11-11 AMD 39-8584 N/A AFFECTED FUEL PUMP NOT INSTALLED.

A.D. 95-26-02 AMD 39-9460 N/A OWNER/OPERATOR RESPONSIBILITY TO USE PROPER OCTANE FUEL.

A.D. 96-09-10 AMD 39-9586 C/W INSTALLED IMPELLERS 18109 & 18110 I.A.W. SB 454 B.

A.D. 97-15-11 AMD 39-10085 N/A AFFECTED PISTON PIN NOT INSTALLED.

A.D. 98-02-08 AMD 39-10291 C/W BY AIRCRAFT SPECIALTIES I.A.W. 505 B.

A.D. 98-17-11 AMD 39-10713 N/A AFFECTED CRANKSHAFT NOT INSTALLED.

[REDACTED] KEN FISHER A&P # [REDACTED]