

The Standard
 ENGINE LOG

ASA-SE-2

The subject aircraft was involved in an incident / accident on _ rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: **0903177159US.**

Signed: ***Underwriters Salvage Company***

Date: **12/11/2024**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100

YEAR DATE	RECORDING TACH TIME	TODAY'S 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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Date: 12/15/2022 Hours: EngTT: 4523.91 / TSMOH 691.7 / Hobbs 691.7

Tail#: N4654R

Make: Lycoming

Model: O-320-E3D

S/N: L-15828-27E

Annual Inspection completed in accordance with 14 CFR Part 43 Appendix D.
DIFFERENTIAL COMPRESSION TEST RESULTS at 80 psi 1/78 2/77 3/78 4/71.
Removed and replaced oil and filter. Serviced with 7 quarts AeroShell 15-50W oil and
oil filter, p/n AA48110-2. See AD Compliance List in aircraft records for details. I
certify that this ENGINE has been inspected in accordance with an ANNUAL
inspection and was determined to be in airworthy condition. --- END ---

James Stinger AIP 2266060 IA

Date: 04/15/2024 Hours: EngTT: 4541.9 / TSFRM 709.7 / Tach 709.7

Tail#: N4654R

Make: Lycoming

Model: O-320-E3D

S/N: L-15828-27E

Annual Inspection completed in accordance with 14 CFR Part 43 Appendix D.
DIFFERENTIAL COMPRESSION TEST RESULTS at 80 psi 1/76 2/77 3/72 4/70.
Removed and replaced oil and filter. Serviced with 7 quarts AeroShell 15-50W oil and
oil filter, p/n AA48110-2. See AD Compliance List in aircraft records for details. I
certify that this ENGINE has been inspected in accordance with an ANNUAL
inspection and was determined to be in airworthy condition.
--- END ---

James Stinger AIP 2266060 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S 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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10601 Observation Road
Manassas, VA 20110
(703) 368-8100

Engine LYCOMING O-320-E2A Jul 01, 2020
N4654R Tach: 561.04 ENG SN: L-15828-27E
PIPER PA-28-140 SN28-21409 TTAF: 4354.74 TSOH:561.04 TTE: 4393.24

Performed an Engine inspection as part of an Annual Inspection with reference to Textron Lycoming® Maintenance Manual inspection checklist and the scope and detail of 14 CFR 43 Appendix D. Compression check results: #1) 72/80, #2) 78/80, #3) 78/80, #4) 76/80. Drained oil, collected sample, removed filter, and inspected contents of filter element with no contamination noted. Installed a new Tempest® Oil Filter (P/N: AA48110-2), torqued to 18 ft•lbs, and safety wired in place. Serviced engine with 7 quarts of Aeroshell® W100 Oil. Installed new gasket (PN: 72059 Rev. E) on Oil filler neck where it meets the crank case. Cleaned, gapped, tested, rotated, reinstalled spark plugs with new copper gaskets (P/N: MS17840-1), and torqued to 35 ft•lbs. Verified Magneto timing at 25° BTDC. Inspected engine controls for proper operation and full travel. Cleaned and visually inspected engine and components, post run up and leak check satisfactory.

Researched Engine ADs through June 2020.

I certify that this Engine has been inspected as part of a 100hr/Annual Inspection and determined to be in airworthy condition.

Eric Litt A&P 1435253 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S 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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RENNER AVIATION

3600 Carol Kennedy Dr, San Andreas, Ca. 95249

Date: 10-1-2021 N4654R Engine Tach: 660.41 ETT: 5444.36 SMOH: 660.41

Compressions as follows: 1- 75/80, 2- 76/80, 3- 76/80, 4- 73/80

Complied with the following inspections and airworthiness directives:

1. Annual/100 Hour inspection per 14 CFR Part 43 Appendix D.
2. AD's checked thru this date, none due at this time.

Replaced the following items:

1. Oil filter CH48110-1, screen gasket AN900-16

Performed the following repairs and/or service items:

1. Changed oil and filter, inspected old oil filter and suction screen, no findings. Serviced engine with 8 qts. Aero Shell 100W Plus. Run and leak check ok.
2. Adjusted idle mixture and speed.
3. Both magnetos removed and installed after 500hr insp./repairs by Aero Accessories CRS# XB2R286L under W.O.'s (left 52786), (right 52787) dated 8/4/2021. Magnetos were installed per Lycoming Direct Drive overhaul manual as revised with new gaskets and hardware torqued per Slick SB 3-80B. Run, leak and operation check ok.
4. Tightened and safetied oil gauge tube.

I certify that this engine has been inspected in accordance with an Annual/100 Hour inspection and was determined to be in an airworthy condition.

Signed

Renner Brewer A&P/ IA 3177530

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YEAR 2019 DATE	RECORDING TACH TIME	TODAY'S 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.)
1/2/19	537.19			Replaced Kelly Aerospace starter P/N MZ-602-001-001 F122634 with a Hartzell P/N ERZ-801-1 N A-S 2220 United was installed. IAW Magneto timing at 25° BTDC. Instructions: <u>CZK A&P 3393071</u>
2/16/19	539.18			CHANGED OIL & FILTER (7 QTS OF AEROSHELL WISW-50 OIL, 11 OZ CAMGUARD, AND TEMPEST FILTER AA48110 R. SCHMID 3704800



10601 Observation Road
Manassas, VA 20110
(703) 368-8100

Engine LYCOMING O-320-E2A Jun 07, 2019
N4654R Tach: 539.67 ENG SN: L-15828-27E
PIPER PA-28-140 SN28-21409 TTAF: 4333.37 TSOH:539.67 TTE: 4371.87

Performed an Engine inspection as part of a Annual Inspection with reference to Lycoming O-320 Series Operator's Manual inspection checklist and the scope and detail of 14 CFR 43 Appendix D. Compression check results: #1)78/80, #2)73/80, #3)75/80, #4)72/80. Inspected contents of filter element, no contamination noted. Reviewed oil report from sample previously taken for this annual. Removed and reinstalled Oil Filler Tube with a new Gasket P/N:72059 and safety wired in place. Cleaned, gapped, and tested spark plugs. Rotated and reinstalled with new copper gaskets P/N:MS17840-1, torqued to 35ft/lbs. Verified Magneto timing at 25° BTDC. Inspected engine controls for proper operation and full travel. Cleaned and visually inspected engine and components, post run up and leak check satisfactory. Researched ADs through June 07, 2019

I certify that this Engine has been inspected as part of a 100hr/Annual Inspection and determined to be in airworthy condition.
David Carter A&P 3186493 IA David Carter

YEAR 2019 DATE	RECORDING TACH TIME	TODAY'S 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.)
1/13/19	551.73			CHANGED OIL & FILTER (7 QTS OF AEROSHELL WISW-50 OIL, 11 OZ OF CAMGUARD, AND TEMPEST FILTER AA48110. OPS CHECK W/ NO LEAKS. R. SCHMID 3704800



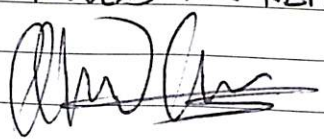
10601 Observation Road
Manassas, VA 20110
(703) 368-8100

Engine LYCOMING O-320-E2A Feb 12, 2020
N4654R Tach: 552.22 ENG SN: L-15828-27E
PIPER PA-28-140 SN28-21409 TTAF: 4345.92 TSOH:552.22 TTE: 4384.42

Installed a new TANIS AIRCRAFT ENGINE PREHEATER KIT P/N:TSP4CYL-2925-115 S/N:54715. with four clamps P/N:MS21919-DG10. IAW engine preheat kit drawing # 02925-115. Revision E. Dated April 12, 2019 and Tanis instructions - preheat kit installation, TNP2925 Rev. E, dated April 12, 2019 or later FAA approved revision. Lycoming O-320 maintenance manual and AC 43.13. STC No.SE03232CH.Ops check satisfactory. Created a 337 form for the installation of the Tanis Preheat Engine Kit and a copy of this form was send to the FAA and another was provided to the customer. A weight and balance was negligible for this install.

Henry Zamora A&P 4060946 Henry Zamora

NEXT ENTRY ON
FOLLOWING PAGE 22

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
8-3	437.81	20.33	4259.22	CHANGED OIL & FILTER 8QTS AERO 100+ TEMPEST AA48110 OIL FILTER T. Schul 223945
10/17/14	481.0		4302.41	COMPRESSIONS 1: 76/80 2: 74/80 3: 75/80 4: 72/80 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.  2794644 A&P
10/28/14	481.0		4302.41	CHANGED OIL & FILTER 8QTS AERO 100+ TEMPEST AA48110 OIL FILTER CHANGED AIR FILTER BH-3 T. Schul 223945

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
5/14/18		N4654R	Tach: 505.86	TSO: 505.86 Cylinder compressions: (1) 75/80, (2) 74/80, (3) 76/80, (4) 72/80 Service engine with 7 quarts of Aeroshell W100 Plus. Installed Tempest oil filter, pn AA48110-2. Performed run up and leak check. I certify that this engine has been inspected in accordance with a 100 hour inspection and is approved for return to service.  A&P 2794644
10/7/18	535.09	43.3		CHANGED OIL & FILTER 7 QTS AERO 15/50 TEMPEST AA48110 OIL FILTER R. SCHMID 3704808

YEAR 10 DATE	RECORDING TACH TIME	TODAY'S 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.)
10/16	302.9	20.5	4124.41	REPLACED SPINNER PLATE PART # 66630-000 T. Schul 223945
10/25	313	10.1	4135.41	REPLACED AIR CLEANER BA 3 T. Schul 223945
10/25	313	30.6	4135.41	CHANGED OIL & FILTER 80TS AERO 100+ / TEMPEST AA 48110 T. Schul 223945
1-29-11	341.5	28.5	4163.91	CHANGED OIL/FILTER 80TS AERO 100+ / TEMPEST AA 48110 T. Schul 223945
6-8-11	367.2	25.7	4188.61	CHANGED OIL/FILTER 80TS AERO 100+ / TEMPEST AA 48110 T. Schul 223945

N5654R Tach 391.19

Engine

Compressions, 1, 78/80 2, 79/80 3, 77/80 4, 74/80. Cleaned and gapped spark plugs. AD 9-26-12 is not applicable. Type cylinders not installed. I certify this engine and propeller have been inspected in accordance with a 100 hour inspection and is airworthy and approved for return to service.

Michael Moore 3556971 A&P

[Signature]

4-14-12

YEAR DATE	RECORDING TACH TIME	TODAY'S 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.)
6-5	392.17	24.97	4213.58	CHANGED OIL & FILTER 80TS. AERO 100+ TEMPEST AA 48110 FILTER/BA-3 AIR FILTER T. Schul 223945
10-8	417.48	25.31	4238.89	CHANGED OIL & FILTER 80TS AERO 15/50 TEMPEST AA 48110 OIL FILTER T. Schul 223945
5-20-13	430.83		TET 430.83	COMPRESSIONS: 1, 78/80 2, 79/80 3, 79/80 4, 76/80. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND IS AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.
5-20-13	430.83		4252.24	I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND IS AIRWORTHY AND APPROVED FOR RETURN TO SERVICE.

[Signature]

3556971 AP

[Signature] 3556971 AP

YEAR DATE	RECORDING TACH TIME	TODAY'S 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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Moore Aviation Services
4702 Fighter Aces Dr.
Mesa, AZ. 85215

N5654R Hobbs 192.0 7-14-2009

Engine

Compressions, 1, 76/80 2, 78/80 3, 74/80 4, 76/80. Installed new magneto gaskets. Cleaned and gapped spark plugs. No AD's for this engine at this time. I certify this engine and propeller have been inspected in accordance with a 100 hour inspection and is airworthy and approved for return to service.

Michael Moore 504906069 A&P *Mike*

7-14-09	192.0	34.7	4024.21	CHANGED OIL & FILTER / AIR FILTER 8QTS. AGRO 100+ / BA-3 AIR FILTER TEMPEST AA 48110 OIL FILTER T. Schul 223945
11-2-09	216.0	24	4047.21	CHANGED OIL & FILTER 8QTS. AGRO 100+ TEMPEST AA 48110 T. Schul 223945

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2-4-10	261.7	45	4083.21	CHANGED OIL & FILTER / TEMPEST AA 48110-2 FILTER 8QTS. AEROSHELL 100+ T. Schul 223945
5/22/10	282.4	20.7	4103.91	CHANGED OIL & FILTER / AIR CLEANER 8QTS. AERO-SHELL 100+ / TEMPEST FILTER AA 48110-2 BA-3 AIR FILTER T. Schul 223945

Moore Aviation Services
4702 Fighter Aces Dr.
Mesa, AZ. 85215

N5654R Tach 299.539-2-2010

Airframe

Cleaned fuel system filters. Replaced instrument vacuum filter. Replaced steering knuckle clevis pin. Repaired baffle by oil cooler. Complied with AD 95-26-13 oil cooler hose inspection, AD 76-07-12 ignition switch inspection and AD 10-15-10 Control shaft inspection. I certify this Aircraft has been inspected in accordance with a 100 hour inspection and is airworthy and approved for return to service.

Michael Moore 504906069 IA *Mike*

10-16	302.9	20.5	4124.41	INSTALLED NEW ALT. BELT #S-1597-1-37.5 T. Schul 223945
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YEAR 2006 DATE	RECORDING TACH TIME	TODAY'S 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.)
9-17	0.0		3832.2	INSTALLED NEW ENGINE ON AIRCRAFT. INSTALLED NEW BARELINES ON ENGINE. INSTALLED NEW ENGINE PRIME LINES (FUEL). INSTALLED ALL NEW SEAT DUCTS ON ENGINE. RIGGED AND SECURED OIL AND FUEL LINES. RIGGED ALL ENGINE CONTROLS. INSTALLED POWER FLOW EXHAUST SYSTEM IN ACCORDANCE WITH STC # SA02168AT. ENGINE HAS BEEN CONVERTED FROM A O-320-E20 TO A O-320-E30. SEE 3375 DATED 7-31-06. ENGINE LEAK TEST RUN GOOD. OIL COOLER WAS OVERHAULED BY RILEY OIL COOLER SERVICES.
12-13-06	24.35		3856.55	CHANGED OIL & FILTER - 8QT. AECO 100 ^W MINERAL 1- TEMPEST FILTER #AA48110

223945 T. Schmitt

[Signature] 5049060697A

Engine Record General Information

Manufacturer Lycoming Model O-320-E3D

Serial L-15828-27E Type Certificate _____

This engine is currently installed in aircraft: N4654 R

Minimum Octane Fuel 100 LL Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

ALT. BELT PART # 51597-1-37.5 (CESSNA #)