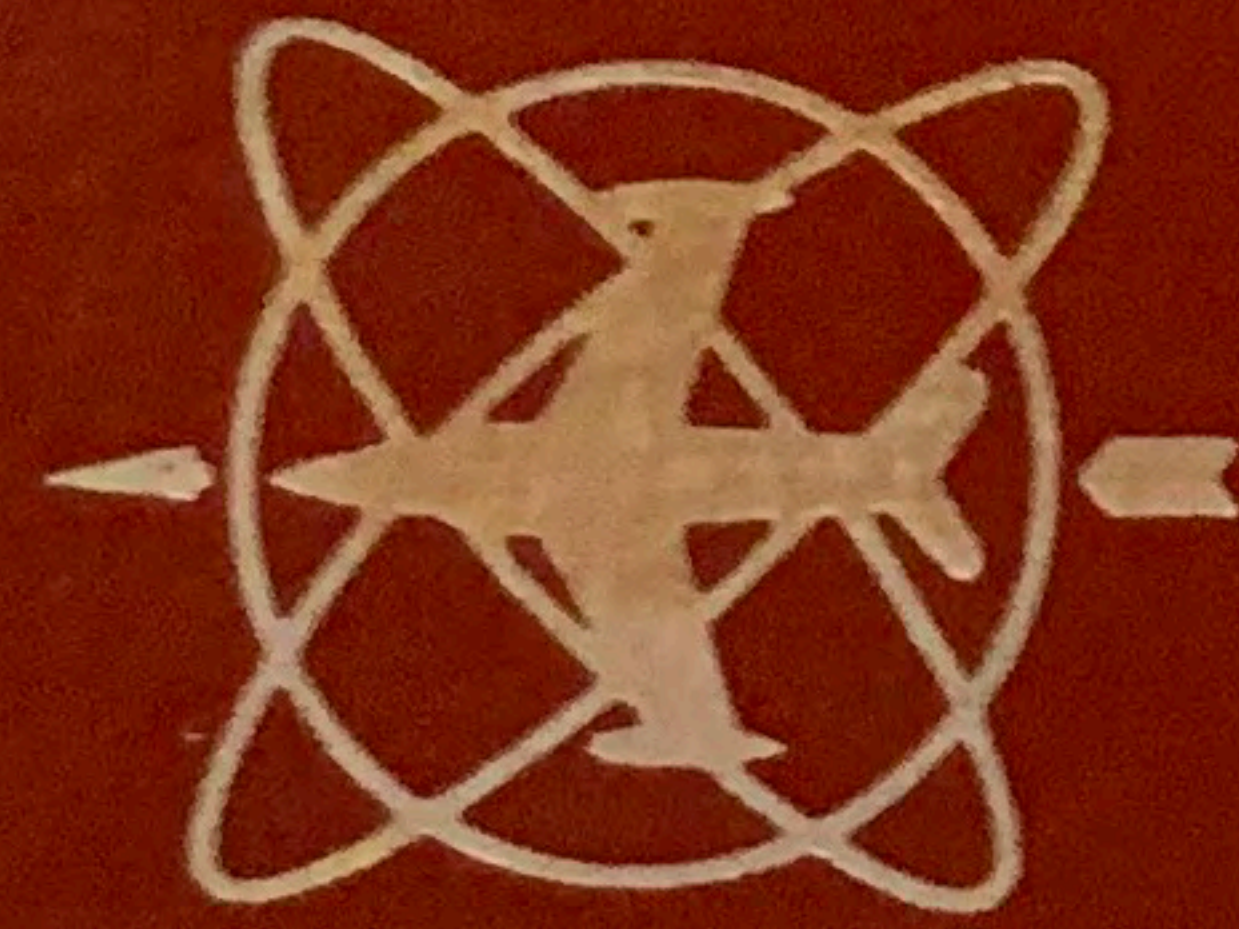


ENGINE

BOOK #2

*The Standard*

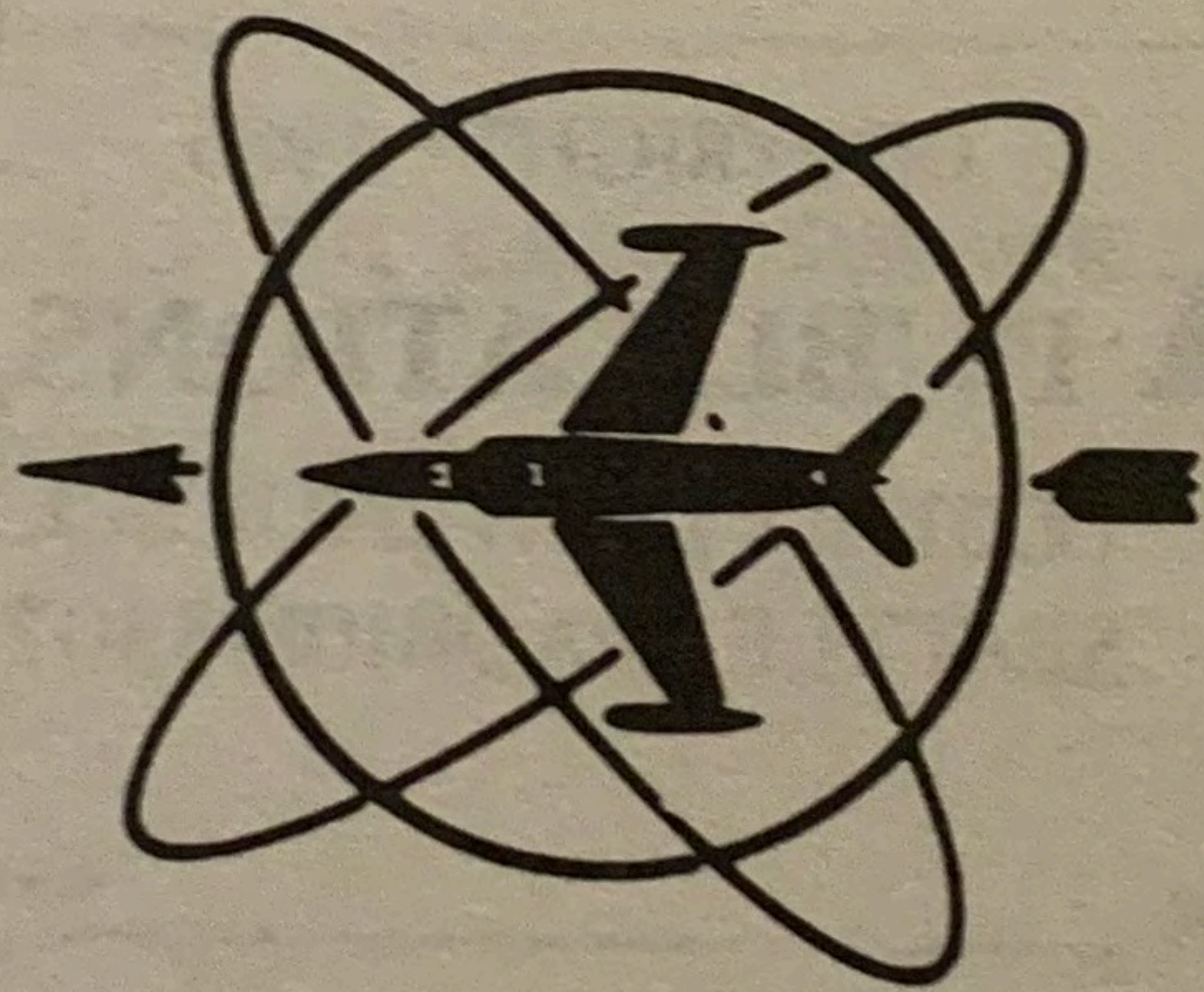


ENGINE LOG

ASA 65-1

1995 -





MODEL SE-1

The Standard

ENGINE LOG

ENGINE RECORD - GENERAL INFORMATION

Book # 3

MANUFACTURER Cye MODEL O-320-E20

SERIAL BL-20928-27A TYPE CERTIFICATE 1

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT Cardinal 177 N 3447T

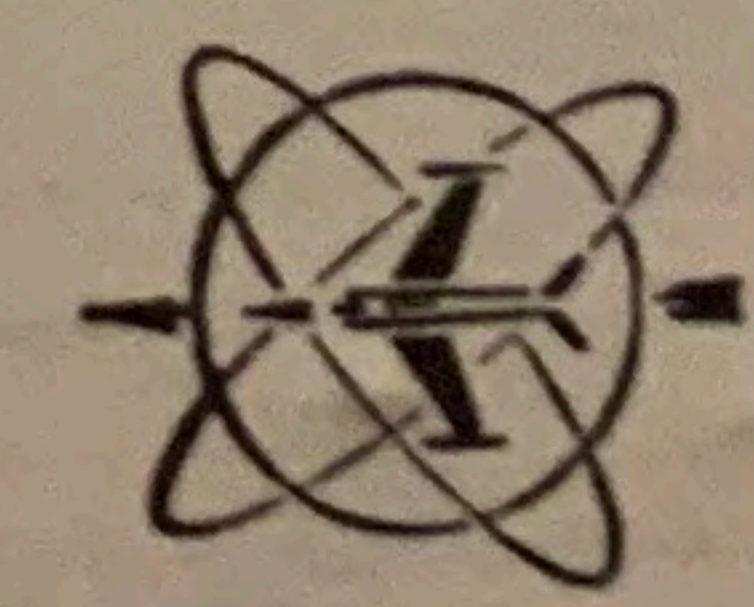
MINIMUM OCTANE FUEL 100 OIL GRADE SUMMER 50 WINTER 30

MAGNETO TIME \_\_\_\_\_ POINT SETTING \_\_\_\_\_ FIRING ORDER \_\_\_\_\_

SPARK PLUG GAP \_\_\_\_\_

MFG. RECOMMENDED OVERHAUL AT 2000 HOURS.

The Standard



ENGINE LOG



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.)
4-3-97	TAC	Reads	766	100 Hr / Annual Inspection
	Completed	this	date.	Cleaned + checked Spark Plugs
AD 97-01-13		Visual	check	no hoses affected by this A.D.
AD 96-09-10	Oil Pump	+ Hosing	Done	7-15-97, Drained
Carb.	Checked	fuel	Screen	Compression CK All 78-Ronbyrd -
I	Certify	that	this	engine has been inspected
in	accordance	with	100 hr / Annual	Inspection and
was	determined	to be	in	Airworthy condition
TAC	766	Total	time	3071
			1122	smott
				APR 2171553 J. M. Allen

**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.)

DATE  
19 48

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

AD 76-07-17 by functional test of Bendix Sev. C/W SI 1341 by drilling oil passage hole in Accy. housing for new oil pump driven gear.

CYLINDER NO.					
1	2	3	4	5	6
67	74	74	75		
80	80	80			
COMPRESSION CHECK					

I CERTIFY THAT THIS Engine  
 HAS BEEN INSPECTED IN ACCORDANCE  
 WITH A 100 hr Annual  
 INSPECTION AND WAS DETERMINED  
 TO BE IN AIRWORTHY CONDITION.

*Paul H. Medw*  
 A-60513945040 FA

DATE 19 <u>98</u>	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.)
8/10	830.3		3607.3	Drained oil - Replaced with 7qts AeroShell 100w (50w) S. Canister Cert #45244597
11/3	841.6		3608.6	AD 98-23-01 DNA S. Canister # 45244597 (owner)
12/15	843.0		3610.0	Oil Drained & replaced with 7qts AeroShell 100w (50w)
				Spark plugs cleaned, gapped, & rotated Compr check taken @ this time #1 $\frac{74}{80}$ #2 $\frac{75}{80}$ #3 $\frac{74}{80}$ #4 $\frac{72}{80}$
				Re-tuned mag. - S. Canister #45244597



DATE 19 <u>99</u>	RECORDING TACH TIME	TSMO 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.)
5/15	853.0	1209.0	3630.03	- Rocker box cover gaskets (4) replaced new - All push rod housing retaining springs replaced new - All fuel intake pipe hoses and gaskets replaced new. Engine test run to full power - no oil or fuel leaks noted. S. Cristia C-45244597 owner.
6/17	860.4		3637.43	Oil drained & replaced with Penoshell (7 qts) W100 50WT
6/16	859.8	1215.8	3636.83	Add Microlon oil treatment S. Cristia #45244597

Q

DATE 19 <u>99</u>	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	880.2	1236.2	3657.23	Oil drained & replaced with 7 qts Aeroshell w/100 58 wt Standard #45244597
12/11/99	x 154	12-11-99	N3447T Tach 895.6	T.T. 3672.63 Auto fuel STC, SE1931CE, has been purchased for this engine. The STC has been installed as per the instructions contained in the STC. A copy of the STC, a copy of the 337 and flight data information has been included in the aircraft records. No change to the weight and balance. See Records For STC & Flight Data 1237
			Bill Nash	A&P 466200138 IA Bill Nash

DATE <i>19 2000</i>	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.)
------------------------	---------------------------	------------------	-----------------------------	---

5-01-00 N3447T Tach 0915.1 SMOH 1277.1 TT3692.13  
 This engine has been inspected IAW an annual Inspection.  
 The Spark plugs were cleaned and gapped. The oil filter  
 was checked. The compression was checked as follows:  
 #1-80, #2-80, #3-80.. #4-76. The muffler shroud was  
 removed and the muffler was checked for leaks. SCAT  
 hose was replaced as needed. The engine was solvent  
 washed and painted. All AD notes on this engine are  
 are current as of this date. This engine is determined  
 to be airworthy as of this date and is returned to  
 service.

Bill Nash A&P 466200138 IA  
*Bill Nash*

DATE	RECORDING TACH TIME	SMDH 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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2000 9/13	933.5	1295.4	<del>1295.5</del> 3710.53	(SC) Drained oil - Put in Amshell W100 (50WT) 7qts Incl #45244597
	<del>946.6</del>			
11-23	946.6	1507.0		Put in Phillips 20w 50 7qts
10/8/02	1003.9	1365.9	3780.9	100hr INSPECTION COMPLETED THIS DATE IAW LYCOMING SERVICE MANUAL. REPLACED THREE FLEX LINES AND ELECTRIC FUEL PUMP. REMOVED PRESTOLITE MZ4223 STARTER AND REPLACED WITH SKY-TEC 149- 12LS PER LYCOMING SERVICE INSTRUCTION No. 1154F. ALL APPLICABLE AD NOTES INDICATED IN THE COMPLIANCE RECORD. ALL SYSTEMS CHECKED AND WERE OPERATING TO SPECIFICATIONS. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW WITH A 100HR INSPECTION AND <sup>WAS</sup> DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME Howard J Lowe IA 10-8-02 293321495



DATE

N3447T

Cessna 177

S/N 17700747

October 3, 2007

Tach Time 1091.2

Aircraft Total Time 3868.23

Lycoming O-320-E2D S/N L-20928-27A Time SMOH 1448.13 Engine Total Time 3868.23

Annual inspection completed this date in accordance with FAR 43 App. D and Cessna 177 Service Manual recommendations. Inspected engine, intake, accessories and mounts. Removed cylinders #3 and #4 and reinstalled after repair by Harrison Engine Service. Installed cylinder assemblies with new gasket kits. Replaced all rocker cover gaskets with silicone gaskets P/N RG 75906. Reinstalled Powerflow exhaust with new 77611 exhaust gaskets. All work performed IAW Lycoming Direct Drive Overhaul Manual and base nuts torqued IAW Lycoming SI 1029D. Performed compression check #1 78 #2 76/80 #3 & 4 not checked at this time. Cleaned, gapped, inspected and rotated spark plugs. Checked mag to engine timing. Drained engine oil. Serviced engine with 8 qts. Phillips 20W50 X/C oil. Cleaned oil pressure and sump screens. No abnormal metal found. Oil sample taken for analysis by Blackstone Labs. Replaced engine driven fuel pump with overhauled unit from Aero Accessories P/N LW15472 S/N AA22748. Inspected exhaust in accordance with Powerflow continued airworthiness instructions. Replaced air induction element P/N BA-5705.

All applicable Airworthiness Directives checked and complied with thru 2007-19.

Performed ground run up and leak inspection satisfactory.

**I certify that this engine has been inspected in accordance with an ANNUAL inspection and determined to be in an airworthy condition.**

**SEAN R. HOUK AP27560482/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)
--------------	---------------------------	------------------	-----------------------------	--

**N3447T**

**Cessna 177**

**S/N 17700747**

**August 20, 2009**

**Tach Time 1113.7**

**Aircraft Total Time 3890.73**

**Lycoming O-320-E2D**

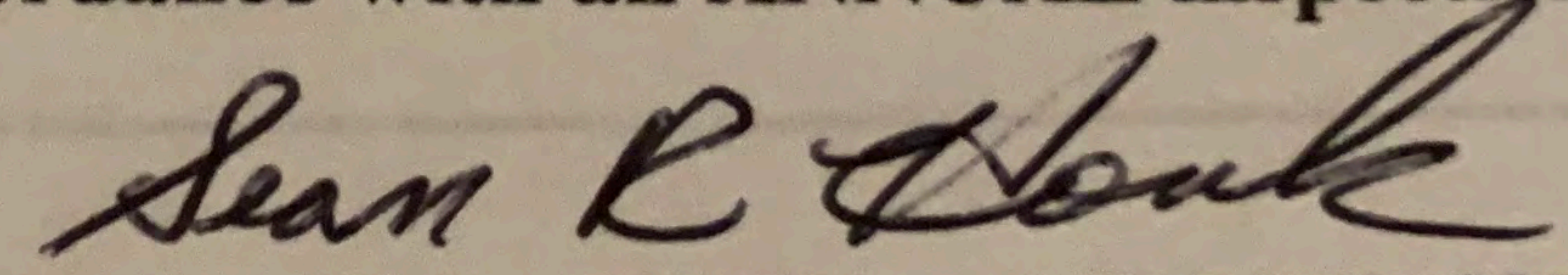
**S/N L-20928-27A**

**Time SMOH 1470.63**

**Engine Total Time 3890.73**

Annual inspection completed this date in accordance with FAR 43 App. D and Cessna 177 Service Manual recommendations. Inspected engine, intake, accessories, and mounts. Performed compression check #1 78 #2 73 #3 78 #4 77/80. Cleaned, gapped, inspected, and rotated spark plugs. Checked mag to engine timing. Drained engine oil. Serviced engine with 8 qts. Phillips 20W50 Type M Straight Mineral oil. Cleaned oil pressure and sump screens. No abnormal metal found. Inspected exhaust in accordance with Powerflow continued airworthiness instructions. Replaced air induction element P/N BA-5705. Replaced engine baffle seal. All applicable Airworthiness Directives checked and complied with thru 2009-17. Performed ground run up and leak inspection satisfactory.

**I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.**



**SEAN R. HOUK AP275604827IA**



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.)
---------------------------	------------------	-----------------------------	---

**N3447T**

**Cessna 177**

**S/N 17700747**

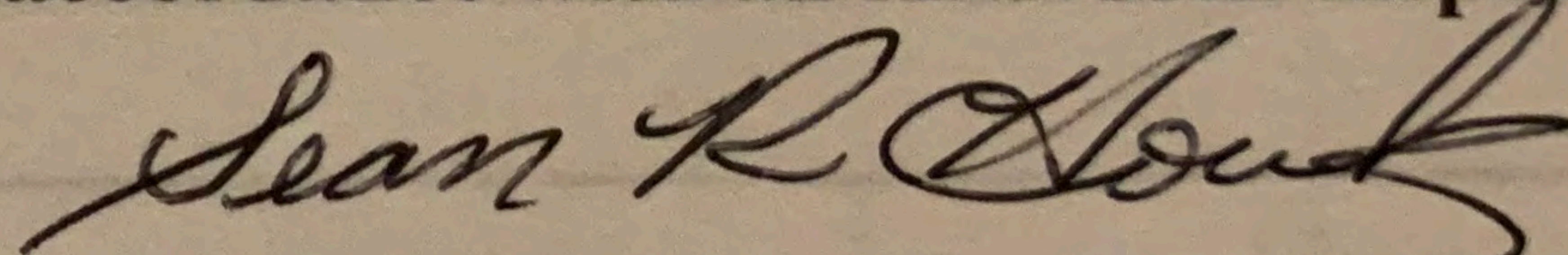
**September 1, 2011**

**Tach Time 1123.1**

**Aircraft Total Time 3900.13**

**Lycoming O-320-E2D S/N L-20928-27A Time SMOH 1480.03 ETT 3900.13**

Annual inspection completed this date in accordance with FAR 43 App. D and Cessna 177 service manual recommendations. Inspected engine, intake, accessories and mounts. Performed compression check #1 76 #2 77 #3 79 #4 73/80. Cleaned, gapped, inspected and rotated spark plugs. Replaced left magneto/N 4371 with new magneto P/N 4371 S/N 10070338. Replaced right magneto P/N 4370 with new magneto P/N 4370 S/N 09120793. Set both mags at 25' TDC. Changed oil. Serviced engine with 8 qts. Phillips M20W50 oil. Cleaned oil screens. No abnormal metal found. Inspected and lubricated engine controls. Inspected exhaust in accordance with Powerflow continued airworthiness instructions. All applicable Airworthiness Directives checked and complied with thru 2011-18. Performed ground run up and leak inspection satisfactory. I certify that this engine has been inspected in accordance with an ANNUAL inspection and determined to be in an airworthy condition.



**SEAN R. HOUK AP275604827IA**







DATE 2016 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.)
4 MAY	1357.2		4134.23	<p>Maintenance completed by Songbird Aviation LLC</p> <p>THE BELOW STATEMENT IN NO WAY IMPLIES OR GUARANTEES THAT THIS AIRCRAFT, OR ENGINE, OR ACCESSORIES WILL CONTINUE TO FUNCTION FOR ANY PERIOD OF TIME AFTER THIS INSPECTION, AND ONLY STATES THAT THIS AIRCRAFT WAS INSPECTED AND CERTIFIED TO COMPLY WITH ALL APPLICABLE FEDERAL AVIATION ADMINISTRATION STANDARDS, AIRWORTHY DIRECTIVES AND FAR PART 43 APPENDIX D.</p> <p>I CERTIFY THAT THIS AIRCRAFT / ENGINE SN <u>L-20928-27A</u> WITH <u>4134.23</u> HOURS IN SERVICE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION PROCEDURES THIS DATE <u>4 MAY 16</u> AND FOUND TO BE AIRWORTHY, SEE AD SECTION FOR APPLICABLE AD'S.</p> <p>Kenneth W. Smith A&amp;P 2721718 IA <i>Kenneth W. Smith</i></p>
4 MAY 16	1357.2		4134.23	ENGINE COMPRESSION #1-64 #2-67 #3-68 #4-66



DATE 2018 <u>19</u>	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.)
---------------------------	---------------------------	------------------	-----------------------------	---

8 MAY 18

1461.6

*Inspection completed by Songbird Aviation LLC*

Engine

4238.63

08 May 2018 N3447T Total Time: ~~1461.6~~ Tach: 1461.6

Preformed Annual Inspection per FAR 43, Appendix D and, manufactures inspection checklist as a guide.

- Checked cylinder compressions with engine hot/cold: #1-64/80, #2-40/80, #3-66/80, #4-66/80, Static RPM checks and oil consumption good, no corrective action performed on Cylinder #2.
- Cleaned and gapped spark plugs and checked magneto to engine timing.

AIRWORTHINESS DIRECTIVES

None due at this time

I certify that this engine and propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.

Kenneth W. Smith *Kenneth W. Smith* A&P 2721718IA



DATE 2020 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 APR 20	1590.5			<p style="text-align: center;"><i>Inspection completed by Songbird Aviation LLC</i></p>
07 Apr 20	N3447T		<p style="text-align: center;">4367.53 Total Time: <del>1950.5</del></p>	<p style="text-align: center;">1590.5 Tach: <del>1950.5</del></p>
<p>Performed Annual Inspection per FAR 43, Appendix D and manufactures inspection checklist as a guide.</p> <p>- Performed cylinder compression check, results as follows: #1-<u>64</u>/80, #2-<u>62</u>/80, #3-<u>62</u>/80, #4-<u>62</u>/80,</p> <p>- Cleaned, inspected, gaped and tested all spark plugs. <span style="float: right;">COLD</span></p>				
<p><b><u>AIRWORTHINESS DIRECTIVES</u></b></p> <p>Complied with the following Ad's: None Due at this time</p>				
<p>I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time</p>				
<p>Kenneth W. Smith <u><i>Kenneth W. Smith</i></u> A&amp;P 27217181A</p>				

**DATE ENGINE LOG**

19\_\_\_\_  
Date: 07-01-21  
TACH: 1618.8

REG. # N3447T  
HOBBS: 2279.30

SER. # L-20928-27A  
TSN: 4395.83

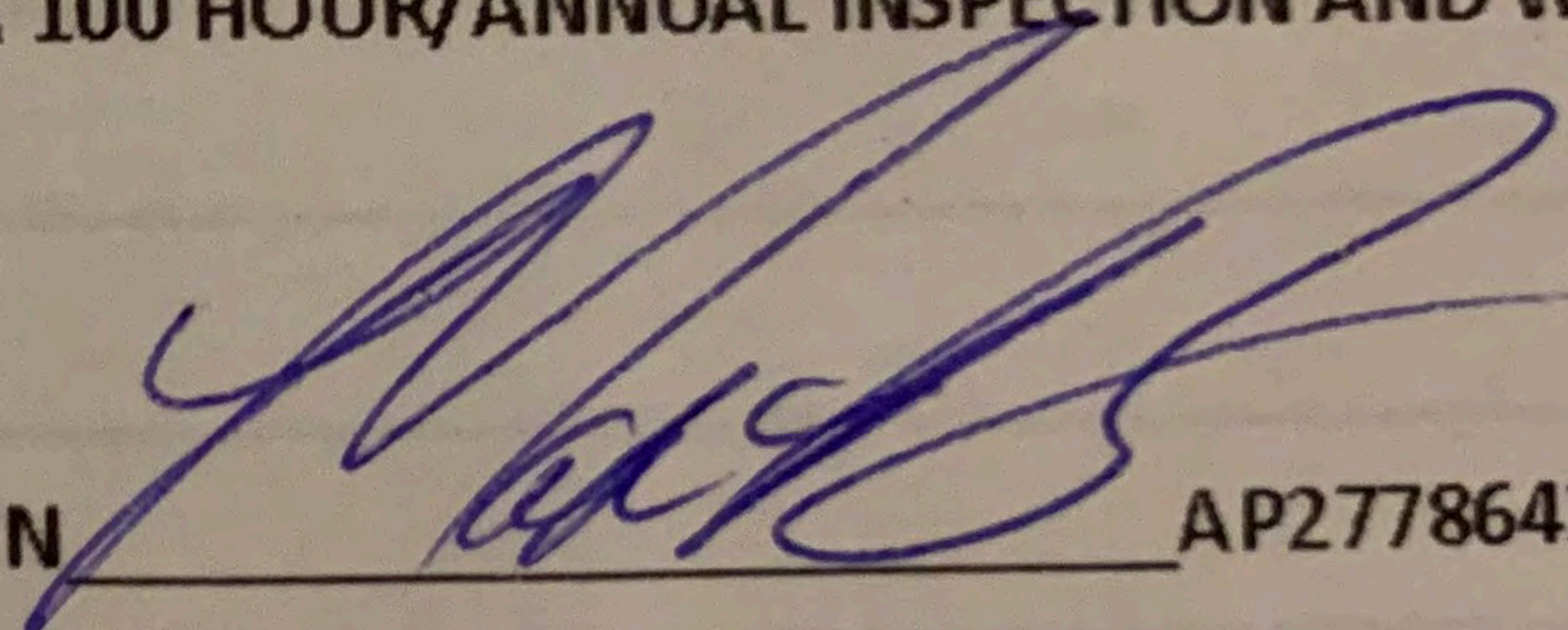
W.O.  
TSO: 1975.73

NS  
BER OF  
NTRIES.)

INSPECTED ENGINE FOR A 100HR INSPECTION. COMPRESSION #1-71/80. #2-73/80. #3-72/80. #4-60/80. INSPECTED OIL FILTER FROM PREVIOUS OIL CHANGE. (NO DEFECTS NOTED). CHECKED MAGNETO TO ENGINE TIMING. REMOVED AND REPLACED ALL SPARK PLUGS P/N UREM40E. INSPECTED ALL FUEL AND OIL LINES. INSPECTED THROTTLE AND MIXTURE LINKAGES. INSPECTED EXHAUST SYSTEM. REMOVED CARB DRAIN PLUG AND DRAINED CARB AND REINSTALLED PLUG. PERFORMED GROUND RUN. NO LEAKS NOTED. OPS CHECK GOOD. ALL WORK DONE IN ACCORDANCE WITH FAR 43 APPENDIX (D) AND LYCOMING OPS MANUAL AND TABLE OF LIMITS. CHECKED ALL AD'S THRU BIWEEKLY 2021-13.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

MARK BROWN



AP2778642IA




POWERED BY

**LYCOMING**

**TEXTRON** Lycoming