## THE AIRCRAFT MAINTENANCE MAINTENANCE RECORD RECORD SYSTEM

## ENGINE MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	SIGNATUR	DESCRIPT RE & CERTIFIC	ON OF WORK PER	RFORMED — SON PERFORMING WOR	K
				TOTALS broug	ht forward fro	m previous page		
	_	proving Chill Aviation Authority Country: FAA/United States		THORIZED RE	LEASE CE	RTIFICATE	3. Form Tracking Number: Invoice # 11372	
	-		760 Airport Road, Cirv	cinnati, Ohio 45226 Certifica	ate No. ESZR316Y		8. Work Order/Contract/Invoice Number: E8026-PURCH	
		2. Description:	ng Engine	O-320-E2D	9. Quantity: 16	L-45081-27A	11. Status/Works	
	12. F	lemarks:		ANCE WITH THE APPLICABLE LYC	OMING MANUALS, A LI		Overhauled	
	TO SI	IRN TO SERVICE ENGIN ERVICE FOR WORK PER IS AND ACCESSORIES RE	E TEST RUN PER FAA I FORMED. EPLACED:	APPROVED DATA (SEIP-103) AND	OR OVERHAUL MANUA	BEEN INSPECTED AND HAVE BE L. TEST SHEET FURNISHED. THIS	THINESS DIRECTIVES AND EN DETERMINED AIRWORTHY TO ENGINE IS APPROVED FOR RETURN	Part I
	4 No.	w Superior Millennium w Slick Magnetos orthodox Corbustos	Cylinders	Engine T.S.N. Un	known Hours			
	1 Ne	w Set of Spark Plugs w Harness						
				and the same of the same of	THE PARTY OF THE P	U.9 Return to Service	Other regulation specified in Block 12	
	10000	O Approved design of O Non-approved deal			Certifies the described in Regulation service.	at unless othern ise specified in Blo Black 12 was accomplished in acc Part 43 and in respect in that wa	ch 12, the work identified in Block 12 ck 12, the work identified in Block 11 and wedance with Title 14, Code of Federal rk, the items are approved for return to	
	222	State of the state of		13c, Approval/Authorization	No. 5 14 Aucharden	Plluson	and the second s	-
	DA T	Common (Typed or Poland	2 63624	Lie Bob (ddimm),yyyk	144 Nam (Ty	eeman, Inspector		7
	244		HALF TO THE	User/Ins	taller Responsibilitie		06/Apr/2022	_
	U.S.	executed that the overla	estaller covers that hi	wher airworthiness authority acce	atically constitute authori on nire-orthiness authori pts niverall engine(s)/pro-	y to install the aircraft engine/pro y different then the airmorthiness refler(s)/article(s) from the airmort	pelleriarticle.  nuthority of the country specified in Block hiness authority of the country specified	
		nents in Blacks 13a and nel regulations by the un orm 8130–3 (02–14)	14a do not constitute is errinotaller before the	estallation certification. In all case sircraft may be flown.	es, aircraft maintenance r	reords must contain an installation		
	-	MM 8130-3 (02-14)					NSN 0052-00-012-9005	_
					STATE OF	No. of Party		
							Salara III	
	1							
100						Children -		
2000				SUB-TOTAL:	S this name			
2 300					o uno pago			

Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
------	--------------------------------	------------------------------------	---------------------------------------	---

## Logbook Entry

Date: May 3, 2022 Make: Lycoming Model: 0-320-E2D S/N: L-45081-27A

Reg: N13887 Tach: 6394.2 TTSMOH: "0" TT ENG: Unknown

- Removed engine model O-320-E2D serial number L-44648-27A from this airframe and installed an "Overhauled" 0-320-E2D serial number L-45081-27A (as modified by STC SE3692SW-D) engine rated for 160 H.P. take off and 150 H.P. METO in accordance with the Cessna Service Manual using the following components:
- 1. Engine mount isolators "New" Lord part number J9613-49 4 each.

2. Oil Cooler "Overhauled" part number 8406R.

- 3. Precision Hose Technology Fuel/Oil hoses part numbers, oil pressure 124001-3CR0184 , cooler to engine 111417-650230, engine to cooler 111417-650280, strainer to carburetor 111417-8D0240.
- Starter "Overhauled" Prestolite part number MZ-4222 serial number L000251.

5. Alternator "Overhauled" Ford part number DOFF103000J.

- 6. Carburetor "Overhauled" Marvel-Schebler model MA-4SPA part number 10-5217 serial number
- Serviced engine with 8 quarts Aeroshell 100w mineral oil.
- All required airworthiness directives accomplished at engine overhaul. (See overhaul records).
- Performed an engine run up and test with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469 I/A

**Logbook Entry** Reg: N13887

Make: Lycoming Tach Time: 6433.7

July 5, 2022 L-45081-27A

Model: 0-320-E2D Serial Number: 444 TTSMOH: 39.5 TT ENG: Unknown

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D in

- addition to the Cessna Service Manual Inspection checklist. Performed a compression check: 80, 80, 80, 79 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter. Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive. Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be

David Birgmann A/P 3958469 I/A

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	SIGNATUR	DESCRIPT RE & CERTIFIC	ON OF WORK PER	RFORMED — SON PERFORMING WOR	K
				TOTALS broug	ht forward fro	m previous page		
	_	proving Chill Aviation Authority Country: FAA/United States		THORIZED RE	LEASE CE	RTIFICATE	3. Form Tracking Number: Invoice # 11372	
	-		760 Airport Road, Cirv	cinnati, Ohio 45226 Certifica	ate No. ESZR316Y		8. Work Order/Contract/Invoice Number: E8026-PURCH	
		2. Description:	ng Engine	O-320-E2D	9. Quantity: 16	L-45081-27A	11. Status/Works	
	12. F	lemarks:		ANCE WITH THE APPLICABLE LYC	OMING MANUALS, A LI		Overhauled	
	TO SI	IRN TO SERVICE ENGIN ERVICE FOR WORK PER IS AND ACCESSORIES RE	E TEST RUN PER FAA I FORMED. EPLACED:	APPROVED DATA (SEIP-103) AND	OR OVERHAUL MANUA	BEEN INSPECTED AND HAVE BE L. TEST SHEET FURNISHED. THIS	THINESS DIRECTIVES AND EN DETERMINED AIRWORTHY TO ENGINE IS APPROVED FOR RETURN	Part I
	4 No.	w Superior Millennium w Slick Magnetos orthodox Corbustos	Cylinders	Engine T.S.N. Un	known Hours			
	1 Ne	w Set of Spark Plugs w Harness						
				and the same of the same of	THE PARTY OF THE P	U.9 Return to Service	Other regulation specified in Block 12	
	10000	O Approved design of O Non-approved deal			Certifies the described in Regulation service.	at unless othern ise specified in Blo Black 12 was accomplished in acc Part 43 and in respect in that wa	ch 12, the work identified in Block 12 ck 12, the work identified in Block 11 and wedance with Title 14, Code of Federal rk, the items are approved for return to	
	222	State of the state of		13c, Approval/Authorization	No. 5 14 Aucharden	Plluson	and the second s	-
	DA T	Common (Typed or Poland	2 63624	Lie Bob (ddimm),yyyk	144 Nam (Ty	eeman, Inspector		7
	244		HALF TO THE	User/Ins	taller Responsibilitie		06/Apr/2022	_
	U.S.	executed that the overla	estaller covers that hi	wher airworthiness authority acce	atically constitute authori on nire-orthiness authori pts niverall engine(s)/pro-	y to install the aircraft engine/pro y different then the airmorthiness refler(s)/article(s) from the airmort	pelleriarticle.  nuthority of the country specified in Block hiness authority of the country specified	
		nents in Blacks 13a and nel regulations by the un orm 8130–3 (02–14)	14a do not constitute is errinotaller before the	estallation certification. In all case sircraft may be flown.	es, aircraft maintenance r	reords must contain an installation		
	-	MM 8130-3 (02-14)					NSN 0052-00-012-9005	_
					STATE OF	No. of Party		
	1							
100						Children -		
2000				SUB-TOTAL:	S this name			
2 300					o uno pago			

Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
------	--------------------------------	------------------------------------	---------------------------------------	---

## Logbook Entry

Date: May 3, 2022 Make: Lycoming Model: 0-320-E2D S/N: L-45081-27A

Reg: N13887 Tach: 6394.2 TTSMOH: "0" TT ENG: Unknown

- Removed engine model O-320-E2D serial number L-44648-27A from this airframe and installed an "Overhauled" 0-320-E2D serial number L-45081-27A (as modified by STC SE3692SW-D) engine rated for 160 H.P. take off and 150 H.P. METO in accordance with the Cessna Service Manual using the following components:
- 1. Engine mount isolators "New" Lord part number J9613-49 4 each.

2. Oil Cooler "Overhauled" part number 8406R.

- 3. Precision Hose Technology Fuel/Oil hoses part numbers, oil pressure 124001-3CR0184 , cooler to engine 111417-650230, engine to cooler 111417-650280, strainer to carburetor 111417-8D0240.
- Starter "Overhauled" Prestolite part number MZ-4222 serial number L000251.

5. Alternator "Overhauled" Ford part number DOFF103000J.

- 6. Carburetor "Overhauled" Marvel-Schebler model MA-4SPA part number 10-5217 serial number
- Serviced engine with 8 quarts Aeroshell 100w mineral oil.
- All required airworthiness directives accomplished at engine overhaul. (See overhaul records).
- Performed an engine run up and test with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469 I/A

**Logbook Entry** Reg: N13887

Make: Lycoming Tach Time: 6433.7

July 5, 2022 L-45081-27A

Model: 0-320-E2D Serial Number: 444 TTSMOH: 39.5 TT ENG: Unknown

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D in

- addition to the Cessna Service Manual Inspection checklist. Performed a compression check: 80, 80, 80, 79 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter. Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive. Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be

David Birgmann A/P 3958469 I/A

David Birgmann A/P 3958469

David Birgmann A/P 3958469

		-
Loo	book	Entry
LUY	-	THE !

December 4, 2022

Reg: N13887

Make: Lycoming Tach Time: 6674.4

Model: O-320-E2D Serial Number: 1-446 TTSMOH: 280.2 TT ENG: Unknown

-4508127A

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist.
- Performed a compression check: 76, 74, 80, 76 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter.
- Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

Tach: 6722.7 TSMOH: 328.5 .

TTENG: Unknown

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.

David Birgmann A/P 3958469 I/A

Reg: N13887

Date: 01/16/2022 Make: Lycoming

Model: O-320-E2D

S/N: L-45081-27A

Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469 D B

Logbook Entry

Reg: N13887

Make: Lycoming Tach Time: 6768.1

TTSMOH: 373.9

February 28, 2023 Model: 0-320-E2D Serial Number: ± 44648-2/A TT ENG: Unknown

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist.
- Performed a compression check: 76, 80, 78, 78 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter.
- Inspected oil screen and cut oil filter open and inspected with no discrepancies noted. Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be

David Birgmann A/P 3958469 I/A

Reg. N13887  Date: 04/19/2023  Tach: 6822.3  Make: Lycoming  TSMOH: 428.1  Model: O-320-E2D  TTENG: Unknown  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  TT ENG: Unknown  Removed and replaced Starter with an "Overhauled" Prestolite starter part number MZ-4222  Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESC SIGNATURE & CER	CRIPTION OF WORK PERFORMED — RTIFICATE NO. OF PERSON PERFORMING	WOR
Date: 04/19/2023  Make: Lycoming  TSMOH: 428.1  Model: O-320-E2D  TTENG: Unknown  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  Serial Number: 444648-27A  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	States are not a	A CANADA TO STATE OF	62/3853		forwa	ard from previous page	
Make: Lycoming TSMOH: 428.1  Model: O-320-E2D TTENG: Unknown S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-27A TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestous testarter part number MZ-4222 Serial Number: TH000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	THE PART OF SEC. 28.			Tac	h: 6822 3		-
Model: 0-320-E2D  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  Serial Number: L-44648-27A  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A							
Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887 Make: Lycoming Tach Time: 6833.7 TTSMOH: 439.5 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	Model: (	D-320-E2D			Control of the later of the lat		
Logbook Entry  Reg: N13887  Make: Lycoming Model: O-320-E2D Serial Number: 444648-27A  Tach Time: 6833.7  TTSMOH: 439.5  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	CH4811 oil and d	0-1 oil filter. Se	erviced engine	with 7 quarts Phi	llips 20w50w		
Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-274 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	David Bi	rgmann A/P 39	58469				
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/8 (-2-7 A)  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	1446-05-2010						-
Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-274 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							_
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/86(-27) A  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/8 (-2-7 A)  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							
Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222     Serial Number: 44648-27A     TTSMOH: 439.5 TT ENG: Unknown      Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222     Serial Number THO00049 in accordance with the Cessna Service Manual.      Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A		Logbook Eni	trv				-
Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A						MAY 5, 2023	
David Birgmann A/P 3958469 I/A			7 Make			L-4508(-27 A Serial Number: 44648 27A	
David Birgmann A/P 3958469 I/A  D. Representation of the property of the prope		Reg: N1388:	7 Make Tach oved and rep I Number 78	Time: 6833.7 placed starter w	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
D. Br		Reg: N1388:	7 Make Tach oved and rep I Number 78	Time: 6833.7 placed starter w	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
		Reg: N1388:  Remo	7 Make Tach oved and rep Il Number 71 mplished and	Time: 6833.7 placed starter w H000049 in accid d engine start v	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
		Reg: N1388:  Remo	7 Make Tach oved and rep Il Number 71 mplished and	Time: 6833.7 placed starter w H000049 in accid d engine start v	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	

100	haal	Entry
LUY	DOOK	Entry

Reg: N13887

Make: Lycoming

Model: O-320-E2D Serial Number: 4 Tach Time: 6862.3 TTSMOH: 468.1 TT ENG: Unknown

May 24, 2023

 Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist section 2-22.

- Performed a compression check: 75, 75, 78, 75.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter. Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Timed left and right magnetos in accordance with the Cessna Service Manual section 11-19.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.

		-
Loo	book	Entry
LUY	-	THE !

December 4, 2022

Reg: N13887

Make: Lycoming Tach Time: 6674.4

Model: O-320-E2D Serial Number: 1-446 TTSMOH: 280.2 TT ENG: Unknown

-4508127A

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist.
- Performed a compression check: 76, 74, 80, 76 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter.
- Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

Tach: 6722.7 TSMOH: 328.5 .

TTENG: Unknown

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.

David Birgmann A/P 3958469 I/A

Reg: N13887

Date: 01/16/2022 Make: Lycoming

Model: O-320-E2D

S/N: L-45081-27A

Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.

David Birgmann A/P 3958469 D B

Logbook Entry

Reg: N13887

Make: Lycoming Tach Time: 6768.1

TTSMOH: 373.9

February 28, 2023 Model: 0-320-E2D Serial Number: ± 44648-2/A TT ENG: Unknown

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist.
- Performed a compression check: 76, 80, 78, 78 respectively.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter.
- Inspected oil screen and cut oil filter open and inspected with no discrepancies noted. Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be

David Birgmann A/P 3958469 I/A

Reg. N13887  Date: 04/19/2023  Tach: 6822.3  Make: Lycoming  TSMOH: 428.1  Model: O-320-E2D  TTENG: Unknown  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  TT ENG: Unknown  Removed and replaced Starter with an "Overhauled" Prestolite starter part number MZ-4222  Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESC SIGNATURE & CER	CRIPTION OF WORK PERFORMED — RTIFICATE NO. OF PERSON PERFORMING	WOR
Date: 04/19/2023  Make: Lycoming  TSMOH: 428.1  Model: O-320-E2D  TTENG: Unknown  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  Serial Number: 444648-27A  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	States are not a	A CANADA TO STATE OF	62/3853		forwa	ard from previous page	
Make: Lycoming TSMOH: 428.1  Model: O-320-E2D TTENG: Unknown S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-27A TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestous testarter part number MZ-4222 Serial Number: TH000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A	THE PART OF SEC. 28.			Tac	h: 6822 3		-
Model: 0-320-E2D  S/ N: L-45081-27A  Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887  Make: Lycoming Tach Time: 6833.7  TTSMOH: 439.5  Serial Number: L-44648-27A  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A  David Birgmann A/P 3958469 I/A							
Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Phillips 20w50w oil and one pint "Avblend" oil additive. Ran engine with no leaks or any other discrepancies noted.  David Birgmann A/P 3958469  Logbook Entry  Reg: N13887 Make: Lycoming Tach Time: 6833.7 TTSMOH: 439.5 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	Model: (	D-320-E2D			Control of the later of the lat		
Logbook Entry  Reg: N13887  Make: Lycoming Model: O-320-E2D Serial Number: 444648-27A  Tach Time: 6833.7  TTSMOH: 439.5  TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	CH4811 oil and d	0-1 oil filter. Se	erviced engine	with 7 quarts Phi	llips 20w50w		
Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-274 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	David Bi	rgmann A/P 39	58469				
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/8 (-2-7 A)  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A	1446-05-2010						-
Reg: N13887 Make: Lycoming Model: O-320-E2D Serial Number: L44648-274 TT ENG: Unknown  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							_
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/86(-27) A  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							
Reg: N13887 Make: Lycoming Model: 0-320-E2D Serial Number: 445/8 (-2-7 A)  Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222 Serial Number 7H000049 in accordance with the Cessna Service Manual.  Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A							
Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222     Serial Number: 44648-27A     TTSMOH: 439.5 TT ENG: Unknown      Removed and replaced starter with an "Overhauled" Prestolite starter part number MZ-4222     Serial Number THO00049 in accordance with the Cessna Service Manual.      Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A		Logbook Eni	try				-
Accomplished and engine start with no other discrepancies noted.  David Birgmann A/P 3958469 I/A						MAY 5, 2023	
David Birgmann A/P 3958469 I/A			7 Make			L-4508(-27 A Serial Number: 44648 27A	
David Birgmann A/P 3958469 I/A  D. Representation of the property of the prope		Reg: N1388:	7 Make Tach oved and rep I Number 78	Time: 6833.7 placed starter w	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
D. Br		Reg: N1388:	7 Make Tach oved and rep I Number 78	Time: 6833.7 placed starter w	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
		Reg: N1388:  Remo	7 Make Tach oved and rep Il Number 71 mplished and	Time: 6833.7 placed starter w H000049 in accid d engine start v	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	
		Reg: N1388:  Remo	7 Make Tach oved and rep Il Number 71 mplished and	Time: 6833.7 placed starter w H000049 in accid d engine start v	TTSMOH: 439.5 with an "Overhauled" P	Serial Number: 44648 274 TT ENG: Unknown Trestolite starter part number MZ-4222	

100	haal	Entry
LUY	DOOK	Entry

Reg: N13887

Make: Lycoming

Model: O-320-E2D Serial Number: 4 Tach Time: 6862.3 TTSMOH: 468.1 TT ENG: Unknown

May 24, 2023

 Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D in addition to the Cessna Service Manual Inspection checklist section 2-22.

- Performed a compression check: 75, 75, 78, 75.
- Drained oil and removed oil filter, replaced oil filter with a "Champion CH48110-1 oil filter. Inspected oil screen and cut oil filter open and inspected with no discrepancies noted.
- Serviced engine with 7 quart "Aeroshell" 100w oil and one can "Avblend" oil additive.
- Cleaned and gapped all spark plugs.
- Tightened all induction tube hose clamps, tightened all exhaust nuts.
- Timed left and right magnetos in accordance with the Cessna Service Manual section 11-19.
- Adjusted fuel air mixture as required.
- Accomplished an engine run with no leaks or any other discrepancies noted.

See AD compliance paper work. See AD compliance listing.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.

ATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMED	RMING WORK
Reg: N	13887			ward from previous page	
	5/23/2023			ach: 6907.2	
	ycoming			SMOH: 513.0 TENG: Unknown	
	0-320-E2D			TENG: ORKHOWII	
S/ N: L-	45081-27A			- Chempion	
CH4811		erviced engine and" oil additiv	e with 7 quarts I e. Ran engine v	with a Champion Phillips 20w50w with no leaks or	
David B	sirgmann A/P 3	958469			
	additio	Make Tach	: Lycoming Fime: 6960.5	Model: O-320-E2D Serial Number: Lace 1974 TTSMOH: 566.3 TT ENG: Unknown ection of this engine in accordance with FAR 43 appendix D	-
I c in a	Perfor     Draine     Inspec     Servic     Cleane     Tighte     Timed     Adjust     Accom  e AD complia	med a comped oil and rected oil screed engine we and gapp ned all indulent and rigit ed fuel air in plished an ence paper was engine has condition.	pression check moved oil filte en and cut oil ith 7 quart "A ed all spark p ction tube hos at magnetos i nixture as req ngine run wit fork. See AD of s been inspect	Manual Inspection checklist section 2-22.  C: 79, 78, 79, 79.  Pr, replaced oil filter with a "Champion CH48110-1 oil filter filter open and inspected with no discrepancies noted. eroshell" 100w oil and one can "Avblend" oil additive. lugs.  De clamps, tightened all exhaust nuts.  De accordance with the Cessna Service Manual section 11-15.	
Reg: N1: Date: 08 Make: Ly Model: O S/ N: L-4 Orained o CH48110	Perfor Draine Inspect Service Cleane Tighte Timed Adjuste Accomme e AD complia ertify that this an airworthy vid Birgmann Vid Birgmann Service	med a comped oil and rected oil screed engine wed and gapp ned all indulent and rigit ed fuel air in plished an ence paper was engine has condition.  A/P 395846	pression check moved oil filte en and cut oil ith 7 quart "A ed all spark p etion tube hos at magnetos i nixture as req ngine run wit fork. See AD of s been inspect  19 I/A  Ta Ts  Ts	Manual Inspection checklist section 2-22.  (c: 79, 78, 79, 79.  Per, replaced oil filter with a "Champion CH48110-1 oil filter filter open and inspected with no discrepancies noted. eroshell" 100w oil and one can "Avblend" oil additive. lugs.  Per clamps, tightened all exhaust nuts.  Per clamps, tightened all exhaust nuts.  Per clamps, tightened all exhaust nuts.  Per clamps are considered and section 11-1 oil filter of the clamps.  Per clamps are clamps oil additive.  Per clamps are clamps oil additive.  Per clamps oil additive.  P	. –
Reg: N1: Date: 08: Make: Ly Model: O S/ N: L-4 Orained of	Perfor Draine Inspect Service Cleane Tighte Timed Adjuste Accomme e AD complia ertify that this an airworthy vid Birgmann Vid Birgmann Service	med a comped oil and rected oil screed engine wed and gapp ned all indulent and right ed fuel air in plished an ence paper was engine has condition.  A/P 395846	pression check moved oil filte en and cut oil ith 7 quart "A ed all spark p etion tube hos at magnetos i nixture as req ngine run wit fork. See AD of s been inspect  19 I/A  Ta Ts Ta Ts Ta Ts Ta Ts Ta Ts Ta Ts	Manual Inspection checklist section 2-22.  (c: 79, 78, 79, 79.  Per, replaced oil filter with a "Champion CH48110-1 oil filter filter open and inspected with no discrepancies noted. eroshell" 100w oil and one can "Avblend" oil additive. lugs.  Per clamps, tightened all exhaust nuts.  Per clamps, tightened all exhaust nuts.  Per clamps, tightened all exhaust nuts.  Per clamps are considered and section 11-1 oil filter of the clamps.  Per clamps are clamps oil additive.  Per clamps are clamps oil additive.  Per clamps oil additive.  P	

Accomplished a addition to the Performed a coil and Inspected oil soil serviced engine Replaced all spain Tightened all in Accomplished at See Airworthiness Direction	mpression check removed oil filte reen and cut oil filte reen and cut oil filte with 7 quart "Ae ark plugs with Ch duction tube hose mixture as require nengine run with twe Compliance rehas been inspect."  8469 I/A	Tach: 7087.9  Tach: 7087.9  Tach: 7087.9  TSMOH: 693.7  TTENG: Unknown	TT ENG: Unknown  ccordance with FAR 43 appendix D in cklist. ectively. th a "Champion CH48110-1 oil filter. ed with no discrepancies noted. one can "Avblend" oil additive.
Accomplished a addition to the Performed a color Drained oil and Inspected oil so Serviced engine Replaced all spa Tightened all in Accomplished all Accomplis	an annual inspect Cessna Service M mpression check removed oil filte reen and cut oil f with 7 quart "Ae ark plugs with Ch duction tube hose r mixture as requ n engine run with ive Compliance re has been inspect	ion of this engine in action of this engine in action check to the control of the	ccordance with FAR 43 appendix D in cklist. ectively. th a "Champion CH48110-1 oil filter. ed with no discrepancies noted. one can "Avblend" oil additive. x plugs. I exhaust nuts. r discrepancies noted.
Performed a construction of the Performed and Inspected oil so Serviced engine Replaced all spanning and Adjusted fuel air Accomplished Birgmann A/P 395.  Reg: N13887 Date: 12/22/2023 Make: Lycoming Accel: 0-320-E2D Make: Lycoming Accel: 0-320-E2D Make: Accomplished air Accel: 12/22/2023 Make: Lycoming Accel: 12/22/2023 Make	mpression check removed oil filte reen and cut oil filte reen and cut oil filte with 7 quart "Ae ark plugs with Ch duction tube hose mixture as require nengine run with twe Compliance rehas been inspect."  8469 I/A	Tach: 7087.9  Tach: 7087.9  Tach: 7087.9  TSMOH: 693.7  TTENG: Unknown	cklist. ectively. th a "Champion CH48110-1 oil filter. ed with no discrepancies noted. one can "Avblend" oil additive. c plugs. I exhaust nuts. r discrepancies noted.
Performed a control of the Performed and Inspected oil so Serviced engine Replaced all spanning and Adjusted fuel air Accomplished and A	mpression check removed oil filte reen and cut oil filte reen and cut oil filte with 7 quart "Ae ark plugs with Ch duction tube hose mixture as require nengine run with twe Compliance rehas been inspect."  8469 I/A	Tach: 7087.9  Tach: 7087.9  Tach: 7087.9  TSMOH: 693.7  TTENG: Unknown	cklist. ectively. th a "Champion CH48110-1 oil filter. ed with no discrepancies noted. one can "Avblend" oil additive. c plugs. I exhaust nuts. r discrepancies noted.
Inspected oil so Serviced engine Replaced all spa Tightened all in Adjusted fuel ai Accomplished ai Accomplished ai Accomplished ai Ree Airworthiness Directificertify that this engine in an airworthy condition David Birgmann A/P 395.  Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D Mr. L-44648-27A Irrained oil and removed oil filler. Serviced ii and one pint "Ayblend" oil	removed oil filtereen and cut oil file with 7 quart "Ae with 7 quart "Ae ark plugs with Ch duction tube hoser mixture as require engine run with twe Compliance rehas been inspect."  8469 I/A	r, replaced oil filter wit filter open and inspect croshell" 100w oil and ampion REM38E sparke clamps, tightened all lired. In no leaks or any other ecords.  ed in accordance with Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	th a "Champion CH48110-1 oil filter, ed with no discrepancies noted, one can "Avblend" oil additive, c plugs, I exhaust nuts, r discrepancies noted.
Serviced engine Replaced all spa Tightened all ind Adjusted fuel ai Accomplished ai Accomplished ai Accomplished ai Replaced all spa Tightened all ind Adjusted fuel ai Accomplished ai Accomplished ai Bee Airworthiness Direction Certify that this engine In an airworthy condition David Birgmann A/P 3956 David Birgmann	e with 7 quart "Ae ark plugs with Ch duction tube hose r mixture as require engine run with twe Compliance re has been inspect."  8469 I/A	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	ed with no discrepancies noted. one can "Avblend" oil additive. c plugs. I exhaust nuts. r discrepancies noted.
Replaced all spanished all in Adjusted fuel ai Accomplished all in Accomplished ai Accomplishe	ark plugs with Ch duction tube hose r mixture as requ n engine run with ive Compliance re has been inspect	ampion REM38E sparke clamps, tightened all lired. In no leaks or any other ecords.  ed in accordance with  Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	r discrepancies noted.
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D Mrained oil and removed oil fi H48110-1 oil filter. Serviced iii and one pint "Ayblend" oil	duction tube hose r mixture as requ n engine run with ive Compliance re has been inspect . 8469 I/A	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	I exhaust nuts. r discrepancies noted.
Adjusted fuel ai Accomplished ai See Airworthiness Directific certify that this engine in an airworthy condition David Birgmann A/P 395.  Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D Mrained oil and removed oil fill-H48110-1 oil filter. Serviced iil and one pint "Ayblend" oil and one pint "Ayblend" oil	r mixture as required nengine run with ive Compliance run has been inspective.  8469 I/A	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	r discrepancies noted.
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W N: L-44648-27A Drained oil and removed oil fill-Hall 10-1 oil filter. Serviced iil and one pint "Ayblend" oil	has been inspect	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D S/ N: L-44648-27A Drained oil and removed oil filtH48110-1 oil filter. Serviced iil and one pint "Avblend" oil	has been inspect	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	an annual inspection and was found to be
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D S/ N: L-44648-27A Drained oil and removed oil fi H48110-1 oil filter. Serviced iil and one pint "Ayblend" oil	8469 I/A	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	an annual inspection and was found to be
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D S/ N: L-44648-27A Drained oil and removed oil fi 2:148110-1 oil filter. Serviced iil and one pint "Ayblend" oil	8469 I/A	Tach: 7087.9 TSMOH: 693.7 TTENG: Unknown	an annual inspection and was round to be
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D S/ N: L-44648-27A Drained oil and removed oil fi CH48110-1 oil filter. Serviced iil and one pint "Ayblend" oil		TSMOH: 693.7 TTENG: Unknown	
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W N: L-44648-27A Prained oil and removed oil fill- H48110-1 oil filter. Serviced iil and one pint "Ayblend" oil		TSMOH: 693.7 TTENG: Unknown	
Reg: N13887 Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W/ N: L-44648-27A Prained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W/ N: L-44648-27A Prained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W/ N: L-44648-27A Prained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W/ N: L-44648-27A Prained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Date: 12/22/2023 Make: Lycoming Model: O-320-E2D W/ N: L-44648-27A Prained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Date: 12/22/2023  Make: Lycoming  Model: O-320-E2D  Model: O-320-E	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
Make: Lycoming Model: O-320-E2D Model: O	ilter. Replaced oil fi	TSMOH: 693.7 TTENG: Unknown	
flodel: O-320-E2D i/ N: L-44648-27A irained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Ayblend" oil	ilter. Replaced oil fi	TTENG: Unknown	
rained oil and removed oil fi H48110-1 oil filter. Serviced il and one pint "Avblend" oil	ilter. Replaced oil fi	1 2	
il and one pint "Avblend" oil	ilter. Replaced oil fi		
il and one pint "Avblend" oil		iter with a Champion	
ny other discrepancies notes	additive Bar	rts Aeroshell 100W	
	d.	e with no leaks or	
avid Birgmann A/P 3958469			A
avia Birginariii 70F 3958469			
		The state of the s	
Logbook Entry			
			January 4, 2024
Reg: N13887	lake: Lycoming	Model: 0-320-E2	D Serial Number: L-45081-27A
T	ach Time: 7091.	5 TTSMOH: 697.3	TT ENG: Unknown
Replaced left	magneto with a	n "Overhauled" magne	eto part number 4371 serial number
11 1120012 1	ii accordance wit	n the Lessna Service r	manual caction 11 11 57 through 11 57
- indeptinguistic	d a magneto che repancies noted.	ck in accordance with t	the Cessna Service Manual section 11, 1-59
	epancies noted.		
David Birgmann A/P	3958469 I/A		
D. Bri			
Temperature Labor			
		SUB-TOTALS th	his nage

	TOTAL	TOTAL	TACHOR	DESCRIPTION OF WORK PERFORMED —		
ATE	TIME IN CEDIATE	TIME SINCE OMERHALL	RECORDING METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK		
	Logbook Entry			March 11, 2024		
	Reg: N13887 Make: Lycoming Tach Time: 7135.0			Model: O-320-E2D Serial Number: L-45081-27A TT ENG: Unknown		
Si	Insp Perfc 77, Drair Inspe Servi Checl Engin rotati Tighte Adjus Section	ection Checo ormed a con 77, 76, 73. ned oil and rected oil scri ced engine ked magnet ked magnet ie, 11-52 as on). ened all indu ted idle spe on 11, 11-45 med an eng	k List.  npression check removed oil filte een and cut oil with 7 quart "A o to engine tim is a guide. (Slick auction tube hos ed and mixture Idle Speed an gine run with no	ection of this engine in accordance with FAR 43 appendix D, in Manual (D972C3-13) section 2, page 2-22 through 2-25  k in accordance with Lycoming Service Instruction No. 1191A:  er, replaced oil filter with a "Champion CH48110-1 oil filter. filter open and inspected with no discrepancies noted. heroshell" 100w oil and one can "Avblend" oil additive. hing in accordance with the Cessna Service Manual Section 11 or magnetos are installed, timing pin used for internal magneto are clamps, tightened all exhaust nuts.  e as required in accordance with the Cessna Service Manual and Mixture Adjustments.  to leaks or any other discrepancies noted.		
	certify that the an airworthy evid Birgmann	is engine ha	as been inspect	ecords.  red in accordance with a 100-hour inspection and was found to be		
	an an wordry	is engine ha	es been inspect			
Da D	E Lycomina: 0-320-E2D coil filter. Service	Engine Lo	69 I/A	N13887 Tach: 7181.9  a Champion shell 100W oil		
Da D	evid Birgmann  By  Lycoming  O-320-E2D  L-45081-27A  and removed of oil filter. Service  Avblend oil a	Engine Lo	as been inspect 69 I/A  g Entry  aced oil filter with	N13887 Tach: 7181.9  a Champion shell 100W oil		
Da D	E. Lycomina  C. Lycomina  C. O-320-E2D  L-45081-27A  and removed of oil filter. Service  Avblend oil a es noted.	Engine Lo	as been inspect 69 I/A  g Entry  aced oil filter with	N13887 Tach: 7181.9  a Champion shell 100W oil		
Da D	E. Lycoming O.320-E2D L.45081-27A and removed of oil filter. Service Avblend oil a es noted.	Engine Lo	as been inspect 69 I/A  g Entry  aced oil filter with	N13887 Tach: 7181.9  a Champion shell 100W oil		

11 Engine, 11—72 Removal And Installation,
Accomplished an engine start with no discrepancies noted.

DRK

Reg: N13887

Make: Lycoming

Model: 0-320-E2D

Serial Number: L-45081-27A

Tach Time: 7226.2 TTSMOH: 832.0

TT ENG: Unknown

- Accomplished an annual inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual (D972C3-13) section 2, page 2-22 through 2-25 Inspection Check List.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: 78, 79, 75.
- Drained oil and replaced oil filter with a "Champion" CH48110-1 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.
- Cut oil filter open and inspected with no discrepancies noted, inspected oil screen with no discrepancies noted, in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.

Replaced induction air filter with "Brackett" part number BA-6108.

 Cleaned, gapped, and rotated spark plugs in accordance with the Cessna Service Manual (D972C3-13) section 11 Engine, 11-60 Spark Plugs.

Replaced all induction tube gaskets with Lycoming part number 71973.

- Tightened all induction hose clamps, tightened all induction tube bolts, tightened all rocker box covers screws.
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11
  Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto
  rotation).

 Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments

 Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive Compliance records.

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

David Birgmann A/P 3958469 I/A

David Birginanii A/P 3958469

Logbook Entry

October 10, 2024

Reg: N13887

Make: Lycoming

Model: 0-320-E2D

Serial Number: L-45081-27A

Tach Time: 7245.7 TTSMOH: 851.5

TT ENG: Unknown

- Removed and replaced engine starter with Prestolite Starter part number MZ-4218 serial number 1J000496 in accordance with the Cessna Service Manual D972C3-13-Rand-1750-7/75 section 11 Engine, 11—72 Removal And Installation.
- Accomplished an engine start with no discrepancies noted.

David Birgmann A/P 3958469 I/A

10/23/2024 Engine Log Entry N13887

Make: Lycoming Tach: 7263.2

Model: O-320-E2D

Model: O-320-E2D S/N: L-45081-27A

Drained oil and removed oil filter. Replaced oil filter with a Champlon CH48110-1 oil filter. Serviced engine with 7 quarts Aeroshell 100W oil. Ran engine with no leaks or any other discrepancies noted.

Jahn Knight A&P 4425382

TOTALS this page

**Logbook Entry** 

October 22, 2024

Reg: N13887

Make: Lycoming

Model: O-320-E2D Serial Number: L-45081-27A

Tach Time: 7262.5 TTSMOH: 868.3 TT ENG: Unknown

- Removed and replaced engine starter with Prestolite Starter part number MZ-4218 serial number A2130109 in accordance with the Cessna Service Manual D972C3-13-Rand-1750-7/75 section 11 Engine, 11-72 Removal And Installation.
- Accomplished an engine start with no discrepancies noted.

David Birgmann A/P 3958469 I/A

1. 13

**Logbook Entry** 

December 31, 2024

Reg: N13887

Make: Lycoming Tach Time: 7317.0

Model: O-320-E2D TTSMOH: 922.8

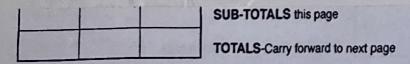
Serial Number: L-45081-27A

TT ENG: Unknown

- Accomplished a 100-hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual (D972C3-13) section 2, page 2-22 through 2-25 Inspection Check List.
- Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: 78, 79, 79, 79.
- Drained oil and replaced oil filter with a "Champion" CH48110-1 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.
- Cut oil filter open and inspected with no discrepancies noted, inspected oil screen with no discrepancies noted, in accordance with the Cessna Service Manual Inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.
- Replaced induction air filter with "Brackett" part number BA-6108.
- Cleaned, gapped, and rotated spark plugs in accordance with the Cessna Service Manual (D972C3-13) section 11 Engine, 11-60 Spark Plugs.
- Replaced #2 and #3 induction tube gaskets with Lycoming part number 71973.
- Replaced induction tube hoses with part number with Lycoming part number 69603.
- Tightened all induction hose clamps, tightened all induction tube bolts, tightened all rocker box covers screws.
- Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto
- Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments
- Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive Compliance records.

I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.



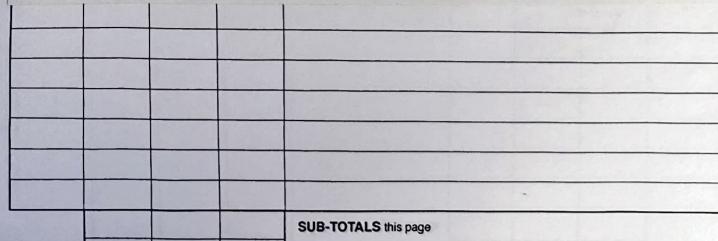
Model: ( S/N: I  Drained oil an  Champion CI  quarts Aerosl  any other disc  Jahn Knight A	A&P 4425382 ogbook Entry	viced engine with 7	LS brought forward from previous page				
Champion Ci quarts Aerosi any other disc Jahn Knight A	H48110-1 oil filter. Ser hell 100W oil. Ran eng crepancies.  A&P 4425382	viced engine with 7					
R	en: N12007		March 28, 2025				
	leg: N13887	Make: Lycoming ach Time: 7416.4	Model: O-320-E2D Serial Number: L-45081-27A TT ENG: Unknown				
	Accomplishe     addition to t     Inspection C	d a 100-hour inspect he Cessna Service M heck List.	tion of this engine in accordance with FAR 43 appendix D, in anual (D972C3-13) section 2, page 2-22 through 2-25 in accordance with Lycoming Service Instruction No. 1191A:				
	Drained oil a Cessna Serv with reference     Cut oil filter discrepancie     11 Engine, 1     Replaced ind	ind replaced oil filter ice Manual inspection ice to figure 11-3. open and inspected vision noted, in accordance 1-34 Removal and Ir uction air filter with in accordance in the inspection of the ice	with a "Champion" CH48110-1 oil filter in accordance with the p D972C3-13 section 11 Engine, 11-34 Removal and Installation with no discrepancies noted, inspected oil screen with no ce with the Cessna Service Manual inspection D972C3-13 section postallation with reference to figure 11-3.				
	Tightened all covers screw Replaced mu with the Cess Removal And Checked mag	induction hose clam s. ffler with a serviceab sna Service Manual (I I Installation with refunction	ps, tightened all induction tube bolts, tightened all rocker box  ble muffler assembly part number 1754001-25 in accordance D972C3-13) section 11 Engine, 11-73 Exhaust System, 11-75  erence to figure 11-6 Exhaust System.				
	rotation).  • Adjusted idle Section 11, 1 • Performed ar Cylinder, and	speed and mixture at 1-45 Idle Speed and nengine run required toll temperature, and	as required in accordance with the Cessna Service Manual Mixture Adjustments I by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure,				
Se	manufacture's recommendations.  See Airworthiness Directive Compliance records.						
10		ne has been inspecto	ed in accordance with a 100-hour inspection and was found to be				
Da	David Birgmann A/P 3958469 I/A						
	s Byi						

4/24/2025 Engine Log Entry N13887						
Make: Lycoming Tach: 7470.7 Model: O-320-E2D S/N: L-45081-27A	DESCRIPTION OF WORK PERFORMED — ATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK  prought forward from previous page					
Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Serviced engine with 7 quarts Aeroshell 100W oil. Ran engine with no leaks or any other discrepancies.						
Jahn Knight A&P 4425382						
Logbook Entry	June 5, 2025					
Neg. 112007	0-320-E2D Serial Number: L-45081-27A —					
Tach Time: 7515.1 TTSMOH	d: 1120.9 TT ENG: Unknown					
Accomplished a 100-hour inspection of this	s engine in accordance with FAR 43 appendix D, in					
addition to the Cessna Service Manual (D9	972C3-13) section 2, page 2-22 through 2-25					
Inspection Check List.  • Performed a compression check in accorda	ance with Lycoming Service Instruction No. 1191A:					
78 76 73 74	16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18					
<ul> <li>Drained oil and replaced oil filter with a "Champion" CH48110-1 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.</li> </ul>						
C + -il filter open and inspected with no di	screpancies noted, inspected oil screen with no					
discrepancies noted in accordance with the	le Cessna Service Manual Inspection D9/2C3-13 Section					
11 Engine, 11-34 Removal and Installation Replaced induction air filter with "Brackett"	" part number BA-6108.					
cleaned gapped, and rotated spark plugs	in accordance with the Cessia Service Harida					
11 F 11 En En	art Dings					
	ened all induction tube bolts, tightened all rocker box					
covers screws.  Checked magneto to engine timing in acco	ordance with the Cessna Service Manual Section 11					
Engine, 11-52 as a guide. (Slick magnetos are installed, tilling più dece les installed,						
<ul> <li>Adjusted idle speed and mixture as require</li> </ul>	ed in accordance with the Cessna Service Manual					
Cylinder, and oil temperature, indicated an	nd operated satisfactory in accordance with the					
manufacture's recommendations.						
See Airworthiness Directive Compliance records.						
See Airworuliness Directive compliance ross as	the 100 hour inspection and was found to be					
I certify that this engine has been inspected in acco	ordance with a 100-hour inspection and was found to be					
in an airworthy condition.						
David Birgmann A/P 3958469 I/A						
1 2 -						
D. 4						
eg: N13887						
te: 07/15/2025 Tach: 7568.7						
ke: Lycoming TSMOH: 117	4.5					
del: O-320-E2D TTENG: Unkr	nown					
N: L-44648-27A						
tined oil and removed oil filter. Replaced oil filter with a Cham 48110-1 oil filter. Serviced engine with 7 quarts Aeroshell 100 and one pint "Avblend" oil additive. Ran engine with no leaks	OW.					

rard to next page

David Birgmann A/P 3958469

David Birgmann Make: Textron (Cessna) 148 Rosswood Dr 172M Model: Pewee Valley, KY 40056 USA N13887 Tail: S/N: 172-63029 Hours: Tach: 7611.4 TSMOH: 1217.2 TTENG: Unknown Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual (D972C3-13) section 2, page 2-22 through 2-25 Inspection Check List. Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: 76, 76, 79, 78. Drained oil and replaced oil filter with a "Champion" CH48110-1 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3. Cut oil filter open and inspected with no discrepancies noted, inspected oil screen with no discrepancies noted, in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3. Replaced induction air filter with "Brackett" part number BA-6108. Replaced all spark plugs with Champion REM38E spark plugs in accordance with the Cessna Service Manual (D972C3-13) section 11 Engine, 11-60 Spark Plugs. Tightened all induction hose clamps, tightened all induction tube bolts, tightened all rocker box covers screws. Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation) and timed as needed. Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations. Accomplished the following Airworthiness Directives: 2024-21-02 Connecting Rod Failure/ AD does not apply due to affected part and part number (P/N) were not installed and assembled within the ship date range, as specified in Table 1 to paragraph (c) of this AD. See engine overhaul records. I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition. Signed: Cert: A/P 3958469 I/A David Birgmann Name: Date: 08/14/2025



David Birgmann 148 Rosswood Dr Pewee Valley , KY 40056 USA

Make:

Lycoming

Model: Tall: S/N: O-320-E2D N13887 L-45081-27A

Hours:

Tach: 7653.0 TSMOH: 1258.8 TT: Unknown

Accomplished an annual inspection of this engine in accordance with FAR 43 appendix D, in addition to the Cessna Service Manual (D972C3-13) section 2, page 2-22 through 2-25 Inspection Check List.

Performed a compression check in accordance with Lycoming Service Instruction No. 1191A: 79, 78, 78, 76.

Drained oil and replaced oil filter with a "Champion" CH48110-1 oil filter in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to figure 11-3.

Cut oil filter open and inspected with no discrepancies noted, inspected oil screen with no discrepancies noted, in accordance with the Cessna Service Manual inspection D972C3-13 section 11 Engine, 11-34 Removal and Installation with reference to

Replaced induction air filter with "Brackett" part number BA-6108.

Cleaned, inspected, and gapped all spark plugs in accordance with the Cessna Service Manual (D972C3-13) section 11 Engine, 11-60 Spark Plugs.

Tightened all induction hose clamps, tightened all induction tube bolts, tightened all rocker box covers screws.

Checked magneto to engine timing in accordance with the Cessna Service Manual Section 11 Engine, 11-52 as a guide. (Slick magnetos are installed, timing pin used for internal magneto rotation) and timed as needed.

Adjusted idle speed and mixture as required in accordance with the Cessna Service Manual Section 11, 11-45 Idle Speed and Mixture Adjustments

Performed an engine run required by 14 CFR 43.13, with static RPM, Magnetos, Fuel, Oil pressure, Cylinder, and oil temperature, indicated and operated satisfactory in accordance with the manufacture's recommendations.

See Airworthiness Directive Compliance Records

I certify that this engine has been inspected in accordance with an annual inspection and found to be in an airworthy condition.

Signed: Name:

David Birgmann

Cert:

A/P 3958469 I/A

Date:

10/28/2025

	SUB-TOTALS this page
The state of the s	