

TEXTRON Lycoming

N82090
(N22CK)
LOG Book #1

ENGINE LOG

SSP-1872-1

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE SERIAL NUMBER RL-27329-48A

IN SERVICE DATE 7/01/02 ENG. 00.0
T.T. 00.0

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF TEXTRON LYCOMING

MAKE

MODEL

SERIAL

FROM _____ 19 ____ TO _____ 19 ____

DETAILING TIME FROM _____ HOURS TO _____ HOURS

SSP 1872-1

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October 1994


TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

TLRED-489
(Rev. 10-96)

This engine has been ~~overhauled~~/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: IO-540-K1G5D
Serial #: RL-27329-48A
Total Time: 0.0
Work Order #: AR182328
Date Completed: 5/23/02

Authorized Signature 
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

ENGINE DESCRIPTION

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

AIRCRAFT MAINTENANCE CENTER INC.

This engine installed in Piper PA 32R-301, N82090. New lord mounts and hoses installed. Installed SVS V Standby Vacuum System in accordance with STC SE1799NM, see FAA Form 337 this date. Engine filled with Aeroshell non-detergent oil, test run and approved for return to service. Engine and Installation inspected in accordance with FAR 43 Appendix D, Annual inspection. Engine found to be airworthy and approved for return to service.

JAMES O. LOONEY A&P415846672 I.A.

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ENGINE LOG

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2/12/03	35	99.8	Total Time 53.8 Change Oil and Filter, Old filter Checked O.K. Engine filled with Pennshell 80W. Cleaned Air Filters Spark plugs. Engine Test Run and Approved for Return to Service.	[Signature]	A+P 415846672 IA.
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

AIRCRAFT MAINTENANCE CENTER INC.

Serial No. _____

REG #: N82090 MAKE: LYCOMING IO-540-K1G5D SERIAL: RL-27329.
Date: 08-04-2003 TACH: 3637.2 T.T.: 91.2

Annual Inspection completed in accordance with FAR 43 Appendix D and Piper Service Manual. Compression check #1 77/80 #2 78/80 #3 77/80 #4 78/80 #5 77/80 #6 75/80. Changed oil and filter, cleaned and gapped spark plugs. Inspected all hoses and wiring in engine compartment. Checked engine mount and security of all accessories. Inspected induction and exhaust systems. All AD's checked for compliance, See list. Engine cleaned, test run and approved for return to service.


JAMES O. LOONEY A&P4158466721A.

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Signature _____
License Number _____

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2-17-04			N82090 Test Run Engine for oil change. DRAIN oil + Remove oil filter. cut filter open - inspect - no metal found. install new CH48103-1 oil filter + fill with 11 qts. of Aero shell 100w. Test Run Engine - NO LEAKS. WASH Engine. Recoil. Engine Approved for Return to service. A+P # 2771253 Jim Edwards END		
			Page Total		
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			Total to Date		

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ENGINE LOG

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
7-22-04	3	66	Tech Time. Change Oil & Filter. Old filter checked OK. Engine filled with Amsoil 15W50 - Engine cleaned test Run and approved for Return to Service — <i>[Signature]</i> AP#15846672		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
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			Total to Date		

ENGINE LOG

Serial No. _____

AIRCRAFT MAINTENANCE CENTER INC.

N82090

9/17/04 LYC IO-540-K1G5D S/N: RL-27329-48A TT.ENG. 273.8 SFRM: 273.8 TACH: 3783.8

Annual inspection completed in accordance with FAR 43 Appendix D and Piper Service Manual. Checked compression #1 79/80 #2 79/80 #3 79/80 #4 78/80 #5 78/80 #6 79/80. Cleaned and gapped spark plugs, checked ignition harness. Cleaned fuel injector nozzles. Checked all hoses and wiring in engine compartment. Inspected engine mount and firewall. Inspected exhaust system and performed pressure leak test, system checks OK. Checked all engine controls for security and operation. Replaced air filter element. Complied with AD 02-26-01 External fuel injection line insp. due ea. 100hrs. All AD's checked for compliance, see list. Engine cleaned, test run, found to be airworthy and approved for return to service.

JAMES O. LOONEY A&P415846672 I.A.

Total to Date

Certificate Number MUST be Shown.

AIRCRAFT MAINTENANCE CENTER INC.

N82090

PA32R-301

2/22/05

LYC IO-540 K1G5D
3853.6

S/N: RL27329-4

TT.ENG. 308.6

TACH:

Change Oil and filter. Filter inspected and found to be OK. Engine filled with 11Qt. Aeroshell 100W. Engine washed down test ran, and checked for leaks. Cowling re-installed, and aircraft approved for return to service.

JAMES O. LOONEY A&P415846672 I.A.

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Total to Date

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Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

AIRCRAFT MAINTENANCE CENTER INC.

N82090

PA32R-301

6/2/05

LYC IO-540 K1G5D

S/N: RL27329-4

TT.ENG. 362

TACH: 3907.0

Change Oil and filter. Filter inspected and found to be OK. Engine filled with 11Qt. Aeroshell 100W. Engine washed down test ran, and checked for leaks. Cowling re-installed, and aircraft approved for return to service.

Dennis D. Martin

DENNIS D. MARTIN A&P451807979

Page Total

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Total to Date

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

AIRCRAFT MAINTENANCE CENTER INC.

N82090

LYC. IO-540-K1G5D

S/N: RL-27239-48A

TT.ENG. 362.5

**11/905
TACH: 3908.5**

Annual inspection completed in accordance with FAR 43 Appendix D and Piper Service Manual. Checked compression #1 79/80 #2 78/80 #3 78/80 #4 79/80 #5 78/80 #6 78/80. Changed oil and filter, old filter inspected, checked OK, engine filled with Aeroshell 100w. Cleaned, gapped and tested spark plugs, checked ignition harness and magneto timing. Checked all hoses and wiring in engine compartment. Inspected engine mount and firewall. Inspected exhaust and induction systems. Checked all engine controls for security and operation. Cleaned fuel system screens. Replaced Brackett air filter element. Complied with AD 02-26-01 Fuel Injection line inspection, Par.(C), due ea. 100hrs. All other AD's checked for compliance, see list. Engine cleaned, test run, found to be airworthy and approved for return to service.

James O. Looney
JAMES O. LOONEY A&P415846672 I.A.

ENGINE LOG

Serial No. _____

Priority Aviation, Inc.

133 Polk 52 Mena, AR 71953

www.priorityaviation.com

Piper PA32R-301 N82090 S/N 32R-821-3048 Tach 3938.7 TSFR 392.7

Drained oil, removed filter, cut open and inspected. Replaced filter with CH48103-1 and serviced with 11 qts. of Aeroshell 100. Run up and leak check. No defects noted at this time. Oil analysis sent to Aviation Laboratories. -----END-----

Nathan Cline



A/P2960786

6-14-2006

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Total to Date

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

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

AIRCRAFT MAINTENANCE CENTER INC.

N82090

Lycoming IO540 K1G5D

S/N: RL-27329-48A

TT.ENG. 392.7 SMOH 392.7

12/01/06

TACH: 3938.7

Annual inspection completed in accordance with FAR 43 Appendix D and Piper Service Manual. Checked compression #1 80/80 #2 80/80 #3 75/80 #4 80/80 #5 78/80 #6 76/80. Changed oil Filter removed, inspected, cleaned and reinstalled engine filled with 12 qt's Aeroshell W 100. Cleaned, gapped and tested spark plugs. Checked all hoses and wiring in engine compartment. Inspected engine mount and firewall. Inspected exhaust and induction systems. Checked engine controls for security and operation. Cleaned fuel system screens. . All AD's checked for compliance, see list. Engine cleaned, test run, found to be airworthy and approved for return to service.


JAMES O. LOONEY

A&P415846672 I.A.

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Total to Date

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

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
AUG. 03, 2007			TACH 3938.7 Removed starter and installed O.H. starter from Magna Flite P/N MZ6222 S/N H042103. Installed new starter ring gear P/N 72566. Run up OK. Daniel Rembach AIP 30876765IA.		
FEB. 14, 2008			TACH 3938.8 This engine was inspected IAW Piper Checklist. Compressions were #1 780 #2 780 #3 520 #4 165 #5 780 #6 650. Removed valve covers and complied with 400 hour valve inspection. Reinstalled valve covers with new gaskets. Drained oil and removed oil filter.		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
FEB. 14, 2008			CONTINUED — Serviced with 11qt 100W Xeroshell oil and 1-CH48103-1 oil filter. Installed 12-RHM38E spark plugs. Washed engine and run up OK. I certify that this engine has been inspected IAW an Annual Inspection and is deemed airworthy this date. Daniel Rembach AIP 30876765IA.		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
April 03, 2009	TACH 3991.2	E.T.T. 445.2	This engine was inspected IAW Pipes checklist. Compressions were #1 7/80 #2 7/80 #3 7/80 #4 7/80 #5 7/80 #6 6 5/80. Drained oil and removed oil filter. Service with 11 qts 100W and 1-CH48103-1 oil filter. Installed new air filter. I certify that this engine has been inspected IAW an Annual Inspection and is deemed airworthy this date.	Daniel Rembach A+P 308767165 IA.	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
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Sanford Aircraft Services, Inc.
701 Rod Sullivan Rd.
Sanford, NC 27330
919-708-5549

Aircraft - N82090
Date - 11/1/2010
Log - Engine
Tach - 4067.1

Drained oil, removed filter and installed new Champion CH48103-1 filter. Opened filter for inspection, no defects noted. Serviced sump with 12 qts Aeroshell 100W oil. Cleaned, gapped and tested spark plugs. Checked cylinder compression: #1 73/80 #2 73/80 #3 74/80 #4 72/80 #5 72/80 #6 75/80. Adjusted mag timing. Replaced Brackett filter element with new PN BA3.

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


Dan Swanson A&P 88384990 IA


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Sanford Aircraft Services, Inc.
701 Rod Sullivan Rd.
Sanford, NC 27330
919-708-5549

Aircraft - N22CK
Date - 12/15/2011
Log - Engine
Tach - 4116.3

Drained oil, removed filter and installed new Champion CH48103-1 filter. Opened filter for inspection, no defects noted. Serviced sump with 12 qts Aeroshell 100W oil. Cleaned, gapped and tested spark plugs. Checked cylinder compression: #1 70/80 #2 71/80 #3 74/80 #4 75/80 #5 71/80 #6 72/80. Replaced Brackett filter element with new PN BA3. I certify this engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.


Dan Swanson A&P 88384990 LA

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Total to Date


Certificate Number MUST be Shown.

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Sanford Aircraft Services, Inc.
701 Rod Sullivan Rd.
Sanford, NC 27330
919-708-5549

Aircraft - N22CK
Date - 6/29/2012
Log - Engine
Tach/TT - 4181.8

Replaced starter with new SkyTec PN 149NL. Ops check satisfactory.


Dan Swanson A&P 88384990 IA

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Number**

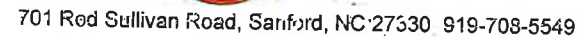
Drained oil, removed filter and installed new CH48103-1 filter. Opened filter for inspection, no defects noted. Serviced sump with 11 qts 100W oil. Cleaned, gapped and tested spark plugs. Checked cylinder compression: #1 72/80 #2 71/80 #3 72/80 #4 70/80 #5 74/80 #6 72/80. Adjusted mag timing.

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

Dan Rembach
Dan Rembach A&P 308767165 IA

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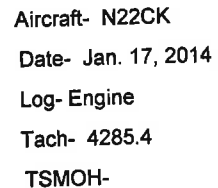
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**License
Number**

Removed propeller and prop governor for overhaul (see tags). Reinstalled propeller after overhaul torqued and saftied. Installed new ATF4-11B with S/N 13103903 prop governor (see tag).Runup Ok

Daniel S. Rembach
Dan Rembach A&P 308767165 IA

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**Date**

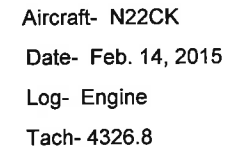
This engine was inspected IAW Piper checklist. Compressions were #1 79 /80 #2 79 /80 #3 75/80 #4 75/80 #5 75 /80 #6 70 /80. Drained oil and removed oil filter. Serviced with 11 qts 100W Aeroshell Oil and 1- CH48103-1 oil filter. Adjusted alternator belt and saftied.

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

Daniel L. Rembach A&P 308767165 IA

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Number**

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and**Total to Date****Date**

Time

Hrs

Compressions were #1 76/80 #2 76/80 #3 76/80 #4 70/80 #5 75/80 #6 76/80. Drained oil and removed oil filter. Serviced engine with 11 qts. 100W Aeroshell oil and 1- CH48103-1 oil filter. Removed mufflers and installed new mufflers with 3 right side risers with new gaskets and hardware.

I certify that this engine has been inspected IAW an Annual inspection and was determined to be in an airworthy condition this date.

Daniel L. Rembach A&P 308767165 IA

Total to Date

Certificate Number MUST be Shown.

**License
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Tach- 4347.0

[illegible]

This engine was inspected IAW Piper checklist. Compressions were #1 77/80 #2 73/80 #3 74/80 #4 72/80 #5 74/80 #6 71/80. Drained oil and removed oil filter (no defects noted). Serviced engine with 11 qts. 100W Aeroshell oil and 1- CH48103-1 oil filter. Washed engine and performed run up ok no leaks. Ops check ok.

A.D.'s checked through Content Revision date of 2/21/2016.

I certify that this engine has been inspected IAW an Annual Inspection and is deemed airworthy
this date.

Daniel L. Kumbach

Daniel L. Rembach A&P 308767165 IA

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[illegible]

Tach- 4401.4

[illegible]

This engine was inspected IAW Piper checklist. Compressions were #1 76/80 #2 75/80 #3 70/80 #4 72/80 #5 74/80 #6 72/80. Drained oil and removed oil filter (no defects noted). Serviced engine with 11 qts. 100W Aeroshell oil and 1- CH48103-1 oil filter. Washed engine and performed run up ok no leaks. Ops check ok.

A.D.'s checked through Content Revision date of 3/23/2017.

I certify that this engine has been inspected IAW an Annual Inspection and is deemed airworthy
this date.

Samuel S. Kumbach

Daniel L. Rembach A&P 308767165 IA

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ENGINE LOG

Aircraft- N22CK

Date- 9 Oct 2017

Log- Engine

Tach: 4420.6

Replaced vacuum pump with new 215CC. Replaced all filters, RAB3-5-1 and AAD9-14-5. Conducted engine run-up. Operations normal, no leaks. Nothing Follows///

Eric A. Holmes A&P 3827126

Serial No.

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



Make: PIPER
Order No.: 14515
S/N: 32R-8213048
Engine Log

Model: PA-32R-301

Reg. No.: N22CK

Order No.: 14515

Completed: 06/01/18

S/N: 32R-8213048

Tach Time: 4423.30

TTAF: 4433 30

Engine Log

Type: Lycoming(O540K1G5D)

S/N: PL 273294SA

Total Time: 877.3

SOH:

Performed compression check: #1 79/80 #2 79/80 #3 77/80 #4 77/80 #5 70/80 #6 78/80. Drained oil, sampled, removed oil filter, cut open and inspected, no abnormalities found. Installed new oil filter P/N CH48103-1 and safetied, serviced engine with 12 qts Aeroshell W100. Replaced crankcase breather hose, Mil 6000 5/8, 6". Replaced valve cover gaskets (6) P/N 67193-30. Reattached sump heater pad. Tightened oil return line hose clamps, Replaced o-ring on #2 cylinder base, torqued cylinder to 300/600 in/lbs, checked valve clearances within limits in accordance with Lycoming overhaul manual section 6. Ground ran engine, no leaks found.

				Causey Aviation Service Inc. 6120 Smithwood Road, Liberty, NC 27298
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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			Total to Date	



Make: PIPER
Order No.: 14515
S/N: 32R-8213048

Model: PA-32R-301

Reg. No.: N22CK

Order No : 14515

Completed: 06/01/18

S/N: 32R-8213048

Tach Time: 4423.30

TTAF: 4423.30

The engine identified above was inspected in accordance with ANNUAL/100 HOUR INSPECTION utilizing the manufacturer's inspection guide or locally generated guide per CFR Part 43 Appendix D, current manufacturer's technical data and current Federal Aviation Regulations. Parts replaced or repaired meet standards set forth by current FAR's. The aircraft is therefore approved for return to service. Pertinent details of the repair are on file at this repair station under Shop Order No: 14515.

Eugene VanNote EWC750D
Causey Aviation Service Inc.
6120 Smithwood Road, Liberty, NC 27298



Make: PIPER
Order No.: 15054
S/N: 32R-8213048
Engine Log

Model: PA-32R-301

Reg. No.: N22CK
Completed: 07/12/19
TTAF: 4425.90
S/N: PL273294SA
SOH:

Performed compression check: #1 76/80 #2 75/80 #3 75/80 #4 74/80 #5 75/80 #6 72/80. Cleaned, gaped, and tested spark plugs, cleaned fuel injectors, oil suction screen and fuel inlet screen. Checked mag timing, found within limits. Drained oil, sampled, removed oil filter, cut open and inspected. No abnormalities found. Installed new oil filter p/n: CH48103-1 and safetied. Serviced engine with 12 qts Aeroshell W 100 plus. Ground ran engine, no leaks found.



Make: PIPER
Order No.: 15054
S/N: 32R-8213048

Model: PA-32R-301

Hobbs Time: 4425.90

Reg. No.: N22CK
Completed: 07/12/19
TTAF: 4425.90

The engine identified above was inspected in accordance with ANNUAL/100 HOUR INSPECTION utilizing the manufacturer's inspection guide or locally generated guide per CFR Part 43 Appendix D, current manufacturer's technical data and current Federal Aviation Regulations. Parts replaced or repaired meet standards set forth by current FAR's. The engine is therefore approved for return to service. Pertinent details of the repair are on file at this repair station under Shop Order No: 15054 and 15075.

Michael J. Thompson for Causey Aviation Service Inc.
Michael J. Thompson EWC750D
Causey Aviation Service Inc.
6120 Smithwood Road, Liberty, NC 27298

License Number

Page Total

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Total to Date

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

Date: 08/05/2020 **Hours:** Tach: 4438.3 Prop: 219.1

Tail#: N22CK TSMOH: 892.3

Make: Lycoming **Model:** IO-540-K1G5D **S/N:** PL273294SA

Inspection complied with using FAR 43 App D and manufacturer's maintenance manual. Engine compression 1/77 2/74 3/73 4/74 5/72 6/71 all over 80psi. Oil change complied with no defects noted. Removed AA48103-2 and drained oil, inspected filter and reinstalled PN AA48103-2 and serviced 12qts of Aeroshell W100plus. Replaced missing valve cover hardware.

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

Name: Ryan P Evans

Co:

Cert: 3795511AP/IA

Sign: