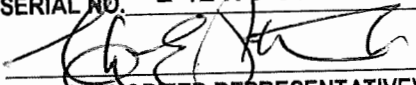


ENGINE LOG



NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL TIO-540-AH1A SERIAL NO. L-12470-61A
DATE 6-8-06 
(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

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

Form No. 777-B (Rev. 3/03)

OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1		N213C	
2			
3			
4			
5			
6			

JUL 28 2006

If this book is found, please return it to the owner.

NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

THIS ENGINE SERVICED WITH

EXXON ELITE 20W50

OIL AT THE PIPER FACTORY



Registration	N213C	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone 210) 384-3388 Fax 210) 384-3394	Hour Meter	35.8
Model No.	PA-32R-301T		Total Time	35.8
Serial No.	3257436		Landings	

Lycoming TIO-540-S1AD
Total Time: 35.8 TSN: 35.8

1. Drain oil, refilled with 12 qt. of Aeroshell 100 Plus in accordance with Piper PA-32-301T MM, Chap. 12-12-04.
2. Removed oil filter, and inspected, no discrepancies found., installed new Champion oil filter PN CH48110-1, in accordance with Piper PA-32-301T MM, Chap. 12-12-06.
3. Ground run engine and leak checked, no discrepancies found.

Maintenance was performed in accordance with Piper PA-32R-301T Maintenance Manual, 761-879, dated March 19, 2005.

*The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-297***

Date: November
27, 2006

Authorized Signature: Robert D. Bilbrey Jr.



Cutter Aviation Dallas, Inc.
5661 Mariner Dr. LB # 18
Dallas, TX 75237



Registration:	N213C
Model No.	PA32R-301T
Serial No.	3257436

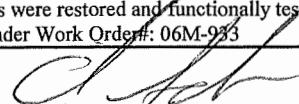
Engine Log Entry

Hour Meter	45.5
Total Time	45.5

Changed oil and filter, serviced using Aeroshell 15W50 oil. Ground ran and checked for leaks.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-933

Date: 12-29-2006 CRS# UXCR663X

 Christopher Gradisar

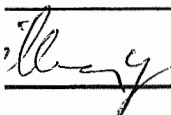
ter	35.8
ne	35.8

2-301T MM,

oil filter PN

1-879, dated

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nent details of the



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2-27-07	100 TACH			changed oil + filter Ran and checked for
4-23-07	148.7			Changed oil + Filter replaced Observed for leaks and corrected.
Total To Carry Forward				

aintenance

filter
led for

r replaced

s and rechecked.

and Remarks	Signature	Certificate No.
added 12 QTs 15W 50 oil. leaks	T. Michael	1A 2129561
CH48110-1 and aerostek 15W50	M. Lang	3126317 A+P



Cutter Aviation Dallas, Inc.
5661 Mariner Dr. LB # 18
Dallas, TX 75237



Registration:	N213C
Model No.	PA32R-301T
Serial No.	3257436

Engine Log Entry

Hour Meter	168.3

Verified AD 2006-20-09 does not apply to serial number of engine.
 Verified AD 2007-04-09 does not apply to cylinders installed.
 Torqued engine driven fuel pump mounting bolts.
 The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-1136

Date: 6-8-2007 CRS# UXCR663X

Christopher Gradisar
Christopher Gradisar

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6-26-07	N213C			
199.5 Hobbs Change oil w/ 10qts Aeroshell 15w-50wt oil. Inspect and change oil filter w/ CH48110-1 no metal found. Degrease eng. Run up and leak check good. Ken Scheller A&P 180442274 <i>K.Sch</i>				
8-22-07				Completed inspection 1AW
TACH	226.0			#5 $\frac{74}{80}$ #6 $\frac{76}{80}$. cleaned and and intake systems.
I certify that this <u>Engine</u> has been inspected in accordance with a <u>annual</u> inspection and was deter- mined to be in an <u>airworthy</u> condition. <i>Theodore C. Michael</i> Theodore C. Michael, Jr. (17) A & P 812551				
Total To				
Carry Forward				

Maintenance

and Remarks

Signature



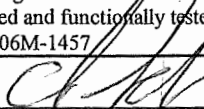
Certificate No.

tion 1A4
ioned and
tums.

pipe check list. Compression test #1 $\frac{73}{80}$ #2 $\frac{74}{80}$ #3 $\frac{78}{80}$
ret spark plugs. checked magnets timing. checked exhaust
checked AD's thru 2007-16

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-22-07	247.4			<i>changed oil & filter</i>

 CUTTER Leading the Business of Aviation		Cutter Aviation Dallas, Inc. 5661 Mariner Dr. LB # 18 Dallas, TX 75237	 Piper		
Registration:	N213C	<h3 style="margin: 0;">Engine Log Entry</h3>		Hour Meter	278.6
Model No.	PA32R-301T				
Serial No.	3257436				
Fuel servo serial number 70A46506 repaired by CRS# NE2R028L. Adjusted idle speed and mixture.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-1457					
Date:	February 13, 2008	CRS# UXCR663X	 Christopher Gradisar		

Total To Carry Forward					

Maintenance

and Remarks

Signature


Certificate No.

filter

added 10 qts Aero Shell 15W 50

Pete Michael

1A 2129561



278.6

Aviation Administration
in accordance with mfg's

Christopher Gradisar

8-15-2008 308

Completed inspection 1AW Piper check list. Cleaned and reset spark plugs.

certify that this Engine as been inspected in accordance with correct inspection and was determined to be in an airworthy condition

checked exhaust and intake systems.

Pete Michael
Pete Michael, IA
P.O. Box 11000 (1A)

checked magnets timing. Compression Test

#1 $\frac{76}{80}$ #2 $\frac{72}{80}$ #3 $\frac{72}{80}$ #4 $\frac{74}{80}$ #5 $\frac{78}{80}$ #6 $\frac{50}{80}$

Checked AD's thru 2008-15

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
3-06-09	3349			cleaned and reset all spark plugs Theodore C Mitchell IA 2129561
3-10-2009	3470			Completed inspection spark plugs changed Compressor test #1 $\frac{74}{80}$ in the system
<p>I certify that this Engine has been inspected in accordance with a <u>normal</u> inspection and was determined to be in a <u>worthy</u> condition.</p> <p style="text-align: center;"><i>Theodore C Mitchell</i> Theodore C Mitchell A & P 2129561 (IA)</p>				
Total To Carry Forward				

Maintenance

and Remarks

Signature

Certificate No.

reset all

and

section

changed

to #1 $\frac{74}{80}$

1Aur Piper check list, cleaned and reset all
oil & filter, added 11 Qt Aero Shell 15W50.

#2 $\frac{76}{80}$ #3 $\frac{78}{80}$ #4 $\frac{79}{90}$ #5 $\frac{79}{80}$ #6 $\frac{78}{8}$. Checked exhaust and

ENGINE LOG



Waco Regional Airport, Waco TX 76708

Reg. #: N213C

Date: 10/18/2010

Work Order #: 10-1001

Make: Piper

Model: PA-32R-301T

Serial #: 3257436

Hour Meter: 380.4

ACTT: 380.4

Eng: T10-540-AH1A

S/N: L-12470-61A

TSMOH: 380.4

Performed annual inspection in accordance with FAR43 Appendix D and Piper Saratoga II TC maintenance manual. Compression check results as follows: #1 79/80, #2 78/80, #3 78/80, #4 78/80, #5 71/80, and #6 71/80. Drained oil and removed filter. Replaced oil with 12qts Aeroshell 15w-50 and filter with new P/N CH48110-1. Clean, gapped and rotated spark plugs. Performed idle mixture adjustment. Removed and replaced all leaking rocker cover gaskets P/N 67193. Washed engine. Run up checked O.K.

I certify that this engine has been inspected in accordance with a 100 hr/ANNUAL Inspection and has been determined to be in

Gary Drapela A&P 456337640 IA

Total To Carry Forward				

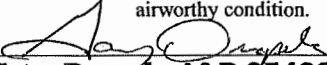


Waco Regional Airport, Waco TX 76708

Reg. #: N213C **Date:** 11/23/2011 **Work Order #:** 11-1011
Make: Piper **Model:** PA-32R-301T **Serial #:** 3257436
Hour Meter: 427.3 **ACTT:** 427.3
Eng: Lycoming TIO-540-AH1A **S/N:** L-12470-61A **TSN:** 427.3

Performed annual/100 hour inspection in accordance with FAR 43 appendix D and Piper maintenance manual. Drained oil and removed filter. Cut filter and inspected. Replaced filter with new P/N CH48110-1 and replaced oil with 12qts Aeroshell 15W50 oil. Compression tests as follows: #178/80, #2 76/80, #3 78/80, #4 75/80, #5 76/80 and #6 78/80. Cleaned, gapped, and inspected and rotated spark plugs. Checked magneto timing. Complied with A.D. 2008-14-07 inspection of fuel injector lines and line clamps. . Complied with A.D. 2009-02-03 per Precision Airmotive MSB PRS-107 Rev. 4 paragraph "G". Gasket P/N 2577258 installed and the letter "G" stamped on brass plug. Recurring requirements terminated. Re-secured cylinder head temp wiring. Tightened all rocker box drain tube coupling clamps.

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



Gary Drapela A&P 3542901 IA

8/80, #5
and filter
ustment.
necked

ned to be in

ENGINE LOG



Waco Regional Airport, Waco TX 76708

Reg. #: N213C	Date: 12/18/2012	Work Order #: 12-1201
Make: Piper	Model: PA-32R-301T	Serial #: 3257436
Hour Meter: 477.2		ACTT: 477.2
Eng: Lycoming TIO-540-AH1A	S/N: L-12470-61A	TSN: 477.2

Performed annual/100 hour inspection in accordance with FAR 43 appendix D and Piper maintenance manual. Drained oil and removed filter. Cut filter and inspected. Replaced filter with new P/N CH48110-1 and replaced oil with 12qts Aeroshell 15W50 oil. Compression tests as follows: #176/80, #2 74/80, #3 74/80, #4 78/80, #5 76/80 and #6 73/80. Cleaned, gapped, and inspected and rotated spark plugs. Installed new spark plug P/N RHB36S in #3 top position. Checked magneto timing. Cleaned fuel injectors. Installed new screw P/N STD-1925 in #3 rocker cover. C/W 400 hour rocker box inspection by inspection of rocker arms, valve tips, keepers, springs and spring seats. Complied with A.D. 2008-14-07 inspection of fuel injector lines and line clamps. . Tightened all rocker box drain tube coupling clamps. Washed engine. Run up checked O.K.

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

Gary Drapela

Gary Drapela A&P 3542901 IA

Total To Carry Forward			
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McGregor Executive Airport, Waco TX 76708

Reg. #: N213C

Date: 2-14-14

Work Order #: 14-0207

Make: Piper Model: PA32R-301T Serial #: 3257436

Hour Meter: 607.9 ACTT: 607.9 Eng: TSIO540AH1A

S/N: L-12470-61A TSMOH: 607.9

Performed annual/100 hour inspection in accordance with FAR 43 appendix D and Piper maintenance manual. Drained oil and removed filter. Cut filter and inspected. Replaced filter with new P/N CH48110-1 and replaced oil with 12qts Aeroshell 15W50 oil. Compression tests as follows: #176/80, #2 74/80, #3 74/80, #4 78/80, #5 76/80 and #6 73/80. Cleaned, gapped, and inspected and rotated spark plugs. Checked magneto timing. Cleaned fuel injectors. Complied with A.D.11-26-04 inspection of fuel injector lines and line clamps. Washed engine. Run up and leak check O.K.

I certify that this engine has been inspected in accordance with an ANNUAL / 100 Hr Inspection and has been determined to be in an airworthy condition.

Carl Farris A&P 3225044 I.A.

Maintenance
P/N
#176/80, #2
ated spark
Cleaned fuel
x inspection
A.D. 2008-14-
coupling

ined to be in an

4089794
PN: CH48110-1
4089794 SN/LOT: N/A
3
DESC: FILTER OIL
QTY: 1
U/M: EA

1. Approving National Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 4089794	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218				5. Work Order/Contract/Invoice Number: 1337444			
6. Item: 3	7. Description: FILTER OIL	8. Part Number: CH48110-1	9. Eligibility: N/A	10. Quantity: 1	11. Serial/Batch Number: N/A	12. Status/Work: New	
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# AA14-03156							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13			15. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Code 13 Certifies that unless otherwise specified in Block 15, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature: Marilyn K. Farber		16. Approval/Authorization No.: ODA 00129-CE		20. Authorized Signature:		21. Approval/Certification No.:	
17. Name (Typed or Printed): MARILYN K. FARBER		18. Date (m/d/y): 2/14/2014		22. Name (Typed or Printed):		23. Date (m/d/y):	
<p>User/Installer Responsibilities</p> <p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							



McGregor Executive Airport, McGregor TX 76657

Reg. #: N213C Date: 4-03-15 Work Order #: 15-0060
Make: Piper Model: PA-32R-301T Serial #: 3257436 Hobbs: 651.0
Eng: Lycoming TIO-540-AH1A S/N: L-12470-61A TSMOH: 651.0

Performed an **Annual Inspection** as required by **FAR 91.409** in accordance with the Cessna service manual, and **FAR 43 Appendix D**. Accomplished the following items:

- 1) Compressions check results: 1) 74/80, 2) 74/80, 3) 74/80, 4) 73/80, 5) 75/80, 6) 74/80.
- 2) Drained oil and serviced engine with 12 quarts of Phillips 15W50. Replaced oil filter with new CH48110-1. Cut open old filter and inspected for metal, none detected at this time. Leak check satisfactory.
- 3) Replaced broken exhaust support cable P/N LW19189 and nut P/N STD-1411 with new.
- 4) Adjusted idle RPM and mixture, found servo not operating normally. removed fuel servo P/N 2576554-3 S/N 70A46506 and sent for overhaul. Received exchange fuel servo P/N 2576554-3 S/N 72FT8102 and installed onto engine using tow new washers P/N STD1727. Performed ground run up and leak check. Set engine idle RPM and mixture. Ops check good and no leaks noted at this time.

I certify that this engine has been inspected in accordance with an ANNUAL / 100 Hr Inspection and has been determined to be in an airworthy condition.

Carl Farris A&P 3225044 I.A.

Carry Forward



and Remarks

Signature

Certificate No.



McGregor Executive Airport, McGregor TX 76657

Reg. #: N213C

Date: 05/30/2016

Work Order #: 16-0224

Make: Piper

Model: PA-32R-301T

Serial #: 3257436

Hobbs: 651.0

Eng: Lycoming TIO-540-AH1A

S/N: L-12470-61A

TSMOH: 687.5

Performed an **Annual Inspection** as required by **FAR 91.409** in accordance with the Cessna service manual, and **FAR 43 Appendix D**. Accomplished the following items:

- 1) Compressions check results: 1) 73/80, 2) 72/80, 3) 73/80, 4) 72/80, 5) 72/80, 6) 71/80.
- 2) Drained oil and serviced engine with 12 quarts of Aeroshell 15W50. Replaced oil filter with new CH48110-1. Cut open old filter and inspected for metal, none detected at this time. Leak check satisfactory.
- 3) Removed, cleaned, gapped, and rotated plugs. P/N RHB36S. Found 3 plugs with cracked insulators replaced with P/N RHB36S. Installed all spark plugs with new gaskets P/N M674.

I certify that this engine has been inspected in accordance with an ANNUAL / 100 Hr Inspection and has been determined to be in an airworthy condition.

A handwritten signature in black ink, appearing to read 'Carl Farris'.

Carl Farris A&P 3225044 I.A.

ENGINE LOG



McGregor Executive Airport, McGregor TX 76657

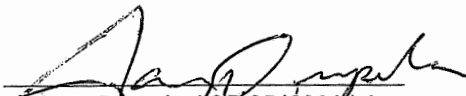
Work Order: 17-0295

ENG Mdl: Lycoming TIO- 540-AH1A	ENG SN: L-12470- 61A	Position: Main	Hobbs: 706.7	Date: 08/09/17
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Performed an Annual Inspection as required by Far 91.409 in accordance with Piper PA-32R-301T maintenance manual and FAR 43 Appendix D. Accomplished the following items:

- 1) Compression Test results: #1) 74/80, #2) 78/80, #3) 74/80, #4) 77/80, #5 76/80, #6 78/80.
- 2) Changed oil with 12qts new oil Aeroshell 15W50.
- 3) Removed and replaced oil filter with new filter P/N CH48110-1. Cut open old filter to check for containments no defects noted.
- 4) Cleaned and gapped spark plugs.

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


 Gary Drapela A&P 35429011.A.



McGregor Executive Airport, McGregor TX 76657

Work Order: 18-0562 N213C

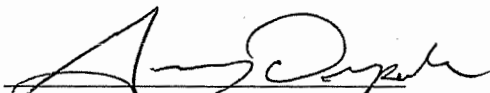
ENG Mdl:	ENG SN:	Position:	TSMOH:	Hobbs:	Date:
Lycoming TIO-540-AH1A	L-12470-61A	Main	748.1	748.1	12/28/18

Performed an Annual Inspection as required by Far 91.409 in accordance with Piper PA-32R-301T maintenance manual and FAR 43 Appendix D. Accomplished the following items:

- 1) Compression Test results: #1) 74/80, #2) 77/80, #3) 78/80, #4) 78/80, #5 76/80, #6 76/80.
- 2) Changed oil with 12qts new oil Aeroshell 15W50.
- 3) Removed and replaced oil filter with new filter P/N AA481110-2. Cut open old filter to check for containments no defects noted.
- 4) Cleaned and gapped spark plugs.
- 5) Replaced the top #4 spark plug due to ceramic being chipped.
- 6) Replaced oil quick drain plug and installed a new quick drain plug P/N CCB-37000 IAW Lycoming TIO-540-AH1A MM.

A.D. 2015-19-07: Inspected fuel injection lines and clamps IAW MSB 342G. No defects noted at this time

I certify that this **engine** has been inspected in accordance with an **ANNUAL/100Hour** Inspection and has been determined to be in an airworthy condition.



Gary Drapela A&P 3542901 I.A.