

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-11828-61A

DATE 9/02/04 DAVE L. MOORE
(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		N133DR	FEB 21 2005
2			
3			
4			
5			
6			

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

LYCOMING - WILLIAMSPORT, PENNA.

Horsepower: 300

Model: TIO-540-AHIA FAA T. C. No. E14EA

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

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		



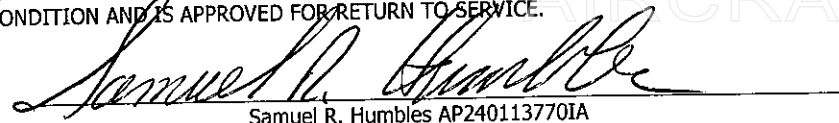
Athens Turboprop Management, Inc.
992 Ben Epps Drive · Athens, GA 30605 · 706-546-7969

ENGINE Log Entry

ACFT: N133DR MFG: PIPER HOBBS: 23.8
DOM: 2005 M/N: PA-32-301XTC TACH: 23.8
DATE: 3-8-05 S/N: 3255027 AFTT: 23.8

1. DRAINED ENGINE OIL AND SERVICED WITH 11 QUARTS EXXON OIL 20W50. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. OPS CHECK GOOD.

ALL WORK PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND PIPER PA-32-301XT MAINTENANCE MANUALS. THE AIRFRAME IDENTIFIED ABOVE HAS BEEN INSPECTED, WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.


Samuel R. Humbles AP240113770IA

TOTAL TO
Carry Forward

and Remarks

Signature

Certificate No.

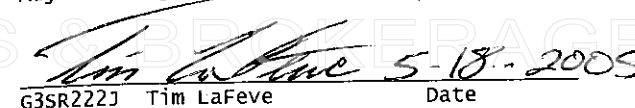
GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J
LOG ID# 2195 18-May-2005 WO# 20452/1 AC TT 54.8 HOBBS 54.8
N133DR S/N 3255027 PIPER PA32-301XTC

Pg 1/

**** ITEM # 20452-1
Performed 50 hour inspection in accordance with Piper PA-32-301XT Inspection Guide. Drained Engine Oil and Serviced with 12 Quarts Exxon 20W50. Removed and Replaced Oil Filter with New P/N CH48110-1. Cut Open Old Filter. No Metal or Carbon Deposits Found. Leak Check and Ops Check Good.

**** ITEM # 20452-3
Checked Magneto to Engine Timing. Found to be within Spec. Swapped #1 and #3 CHT Probes, Swapped #2 and #4 CHT Probes. All work performed IAW Piper PA-32-301XT Maintenance Manual.

**** ITEM # 20452-4
Adjusted Engine Idle RPM IAW Piper PA-32-301XT Maintenance Manual. Ops Check Good.


G3SR222J Tim LaFeve Date 5-18-2005

1[illegible]



Corporate Jets, Inc.

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

COPY

N133DR Date: December 28, 2005

Model # Piper PA32-301XTC S/N 3255027

HOBBS 125.0

Lycoming TIO-540-AH1A S/N L-11828-61A

ENGINE LOG ENTRY

Drained engine oil, removed oil filter. Cut filter open, inspected, no problems noted. Installed new CH48110-1 oil filter. Serviced engine with 13 qts of Exxon Elite 20W-50 oil. Ran engine, leak checked. No defects noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. 024384

CORPORATE JETS, INC.

FAA CRS# LN3R663L

ENGINE LOG

Date	Engine Time	Recorder Reading	Maintenance
------	-------------	------------------	-------------

ELLIS AVIATION
Engine Logbook entry

Reg# N133DR

Date: 2-21-06 ~~Hours~~ 154.3 TSO ~~154.3~~ 154.3

All ADs complied with to this date. I certify that this Engine has been inspected in accordance with an Annual inspection and was found in airworthy condition.

Compressions

1) 71 2) 73 3) 70 4) 72 5) 71 6) 74

Dan Ellis

AP,IA 527474561

Piper 6XT

Tach: 182.9 Hours

Date: 4-12-2006

Oil & filter changed. Serviced with 11 quarts of Phillips 20/50 oil. Complied with AD.

Dan Ellis, AP/IA 527474561

Certificate No.

File No.

Model	PA-32-301XTC	Cutter Aviation Deer Valley, Inc.	Work order	09M-772
Serial #	3255027	530 West Deer Valley Road	Hour Meter	310.2
Registration	N133DR	Phoenix Arizona 85027	Tachometer	N/A
Eng Mod.	TIO-540-AH1A	FAA Repair Station No. W45R045O	ETSN	310.2
Eng Ser. No.	L-11828-61A	Engine		

Inspected engine In Accordance With New Piper Aircraft Inc.PA-32-301XTC Maintenance Manual Section 5-20-00

- Drained oil took midstream AOA sample, removed oil filter, cut open and inspected for contamination, no defects noted. Serviced with 12qts of Exxon Elite 20W-50 oil and new filter P/N CH48110-1.

ENGINE

Drained engine oil and removed and replaced oil filter with new CH48110 oil filter. Cut open old filter and checked visually for metal. No metal found. Serviced engine with 11 quarts of Exxon 20/50 oil. Ground run and leak check good. This engine is approved for return to service for the work performed.

[illegible]

William R Smith AP 526872836

William R. St...

SMITH AIRCRAFT SERVICE

602-885-6020

I Certify that this aircraft has been inspected in accordance with Annual inspection and was determined to be in Airworthy condition. Pertinent details of the repair are on file at this agency under the above listed work order.

Date: 02/16/07

Hobbs: 300.2

ENGINE

[illegible]

William R Smith AP 52682836 IA

William R. Smith, Jr.
William R. Smith, Jr.

All AD's + SB's verified and current + thorough revision

2007-02  02/16/07

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Decatur Athens Aero Service

FAA Repair Station #D75R275N Class I & II

Pryor Field - Highway 31 Athens-Decatur, Alabama 35601

09/21/2007 N133DR AC Type:PA32-301XTC SN:3255027 Hobbs: 424.0

Removed #1 cylinder head temp. probe p/n 102-00008-1 and replaced with new Norwich Aero Products CHT probe p/n 102-00008-1. Operationally checked CHT by running engine on ground. All cylinders temps. were normal.

----- END -----



Jason M. Payne A&P 3219967

Total To Carry Forward



RainAir Aircraft Services, LLC

Oneonta Airport, Oneonta AL 35121 205-353-2301

ate No.

Reg. # N133DR Aircraft: Piper SN:3255027 TACH:_____ HOBBS:_____

- . CW engine oil change (Exxon-Elite 20W50) and filter change CH48110-1
- . Lub waste gate
- . Replaced missing fasteners on cowling
- . All work performed in accordance with current manufacturer's specifications

Date: 1-2008 Name: Sat Rainey LIC# A & P 3202193

AIRCRAFT SALES & BROKERAGE

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/7/08	Brought Forward →	496.4	496.4	INSPECTED 100 HR PIPER
		THRU SERVICE MANUAL 100 HR & 500 HR ITEMS.		
		CHECKED COMPRESSIONS #1 79/80 #2 78/80 #3 79/80,		
		#4 79/80, #5 79/80 #6 79/80. CHANGED ROCKER COVER		
		GASKETS, CHANGED OIL & FILTER. CERTIFY THAT		
		THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE		
		WITH AN 100 HR INSPECTION AND DETERMINED TO BE		
		IN AN AIRWORTHY CONDITION		
		Brent Bowie A&P 3202193		
Total To Carry Forward				

ENGINE LOGBOOK ENTRY N133DR PA-32-301XTC 3255027

No.

Date: March 7, 2008. Hobbs 496.4. TT 496.4. Checked ADs for compliance. I certify that this engine has been inspected in accordance with an Annual inspection and determined to be in an airworthy condition.

Brent Bowie
Brent Bowie
A&P 423230168 IA

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11828-61A
REG. NO: 133DR
WORK ORDER:
3522-05-2008



Flightline Group, Inc.
3256 Capital Circle SW
Tallahassee, Florida 32310
Phone: 850-576-3515

DATE: 5/30/2008
A/C TSN: 571.2
ENG TT: 571.2
HOBBS: 571.2

Engine Entries

Engine compression readings: #1-75, #2-77, #3-77, #4-76, #5-77, #6-78.... Inspected Engine air filter.... Replaced missing valve cover screws and tightend all valve covers.... Replace both magnetos P/N's 6360 and 6361 with new units.... Tightend cylinder oil return hoses.... Changed oil and filter. (12 qts. 20W50 oil, CH48110-1 filter) Wash and run engine. Ops. ck. good No leaks.

Except as stated above, no other work, inspection, corrective action or determination of airworthiness has been made at this time.

DATE: 5/30/2008

SIGNED:

Fred Davis, A&P: 2832998

Work Order: 3522-05-2008

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ENGINE LOG

SUN AVIATION, INC. Vero Beach, FL (VRB)

Date: 08/29/08

Hobbs: 619.4

Eng. TT: 619.4

ACTT: 619.4

Engine Log

Model: TIO-540-AH1A

SN: L-11828-61A

N133DR

Aircraft SN: 3255027

Accomplish an Annual Engine Inspection IAW FAR 43, appendix "D" using the Piper PA32-301FT/XTC inspection report as a guide. Engine Compressions: 1/77, 2/76, 3/78, 4/75, 5/78 and 6/78, all over 80. Accomplished Oil & Filter change, cut open & inspected the Filter removed and no contamination found, installed 1 ea new Filter PN CH48110-1 and added 12 QTS Exxon Elite 20W50 Engine Oil. C/W AD 84-26-02 Inspected Induction Air Filter C/W AD 2008-14-07 Inspected Fuel Injector Lines/Clamps and no defects found. C/W AD 2003-14-03 Lear/Romec Fuel Pump Inspection and found /M installed. No further action required. Adjusted Idle mixture. Repositioned plug wires on the right and left side bottom plugs. Adjusted MP. C/W Lycoming 400 hour valve inspection and replaced all gaskets, P/N 67193. C/W 500 hour desludge of prop and crankcase.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO # 24989 & 15708. AD's researched THRU Rev. 2008.17

Signature

Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

CRS # ECWR470D

Total To
Carry Forward

Channel Islands Aviation

305 Durley Avenue

Camarillo, CA 93010

FAA Repair Station DDER146D

Reg: # N133DR Model: Lycoming TIO 540 Ser. #

Date: 10/15/08 Hobbs: 663.9

Drained oil, removed and inspected filter IAW Lycoming MSB 480E. Serviced with 12qts Phillips 20W50 oil and new filter P/N CH48110-1. Post run and leak checks good.

All pertinent data on file under WO 15029.

I certify that the above work was accomplished, inspected, found to be airworthy, and is approved for return to service.

Andrew Rouleau

F.A.A. Repair Station #DDER146D

Authorized Inspector

Signature

Certificate No.

ENGINE MODEL:
TIO540-AH1A
ENGINE S/N: L-11828-61A
REG. NO: 133DR
WORK ORDER:
4731-02-2009



HIGH PERFORMANCE AIRCRAFT, INC.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 2/17/2009
A/C TSN:
ENG T#:
HOBBS: 707.5

Engine Entries

REPLACED OIL PRESSURE REGULATOR GASKET WITH P/N 06E19769-1-25.... DRAINED OIL. RETAINED SAMPLE FOR TESTING. COMPLIED WITH LYCOMING SB 480 E, CUT OPEN AND INSPECTED OIL FILTER-NO METAL FOUND. INSPECTED AND CLEANED SUMP SCREEN. REPLACED OIL FILTER WITH CHAMPION P/N CH48103-1. SERVICED ENGINE WITH 10 QUARTS EXXON ELITE 20W50 OIL. GROUND RUN PERFORMED. OPERATION IS NORMAL WITH NO LEAKS DETECTED AT THIS TIME.

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 4731-02-2009
Dated

DATE: 2/17/2009

SIGNED:

Paul Stuhler
Certified Repair Station No. HPFR569X

Work Order: 4731-02-2009

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Total To Carry Forward			

Channel Islands Aviation

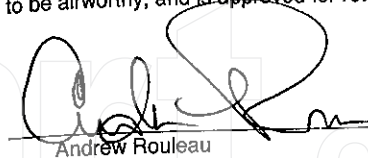
305 Durley Avenue
Camarillo, CA 93010

FAA Repair Station DDER146D

Reg: # N133DR Model: Lycoming TIO 540-AH1A Ser. # L-11828-61A
Date: 06/02/09 Hobbs: 801.3

Drained oil, removed and inspected filter. Serviced with 12qts Phillips 20W-50 oil and new filter P/N CH48110-1.

The applicable work performed IAW manufacture specifications.
All pertinent data on file under WO 15391.
I certify that the above work was accomplished, inspected, found to be airworthy, and is approved for return to service.


Andrew Rouleau

F.A.A. Repair Station #DDER146D
Authorized Inspector

Channel Islands Aviation

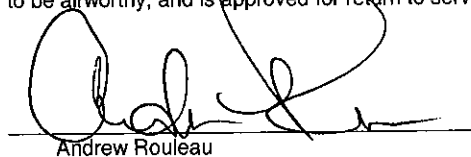
305 Durley Avenue
Camarillo, CA 93010

FAA Repair Station DDER146D

Reg: # N133DR Model: Hartzell HC-13YR-1RF Ser. # A72352B
Date: 06/02/09 Hobbs: 801.3

Performed prop balance, balanced prop to 0.03 ips IAW Microvibe and Piper M.M.

The applicable work performed IAW manufacture specifications.
All pertinent data on file under WO 15391.
I certify that the above work was accomplished, inspected, found to be airworthy, and is approved for return to service.



Andrew Rouleau

F.A.A. Repair Station #DDER146D
Authorized Inspector

Signature

Certificate No.

ed IAW manufacture specifications.

and Remarks	Signature	Certificate No.
<p style="text-align: center;">Channel Islands Aviation 305 Durley Avenue Camarillo, CA 93010 FAA Repair Station DDER146D</p>		
<p>Reg: # N133DR Model: Lycoming TIO-540-AH1A Ser. # L-11828-61A Date: 12/15/09 Hobbs: 912.4 Eng TT: 912.4</p>		
<p>Drained oil, removed and inspect oil filter IAW Lycoming SB 480E. Serviced Engine with 12qt Philips X/C 20W50 oil and new filter p/n CH48110-1 IAW Lycoming Operators Manual section 4.</p>		
<p>All pertinent data on file under WO 15691. I certify that the above work was accomplished, inspected, found to be airworthy, and is approved for return to service.</p>		
<p style="text-align: center;"> Andrew Rouleau F.A.A. Repair Station #DDER146D Authorized Inspector</p>		

ENGINE LOG

*****MUNCIE AVIATION CO. CRS#AJVR135C*****

	DATE	HOBBS
N133DR	6/1/2010	959.9

Changed oil and filter Serviced with Philips 20W50 and CH48110-1 Filter, Replaced Oil Quick drain P/NCCB37000
 Installed New #5 cylinder CHT probe P/N489-463
 Removed Magnetos and installed point kits P/NM3081 & New Capacitors P/NK3984 set internal timing and reinstalled letting magneto to engine timing to book specs of 20 BTDC
 Installed all New RHB37E Sparkplugs
 Installed Overhauled Wastegate P/N470954-0009
 NHAN00144 reset m.P. to specs
 round ran and test flight Ok

Make Lycoming Ser.No. L-11828-61A
 Model TIO-540-AH1A Reg.Mark N133DR

The aircraft/component identified above was repaired inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed Pertinent details of the repair are on file at the agency

Work Order Number T0747 Date 6/1/2010

Signed [Signature] Inspector for
 MUNCIE AVIATION CO. CRS#AJVR135C
 MUNCIE, IN 47308 765-289-7141



and Remarks

Signature

Certificate No.

*****MUNCIE AVIATION CO. CRS#AJVR135C*****

	DATE	A/C Tach	A/C TT
N133DR	10/1/2010	983.3	983.3



Annual Inspection completed this date ref. Piper Inspection Report#766-858
 Changed oil and filter serviced with Philips 20W50, Sample Taken, Compressions #1 76/80 #2 77/80 #3 77/80 #4 73/80 #5 78/80 #6 77/80 C/W AD2008-14-07 Ref LSB342E Fuel Injector line Inspection
 Removed all Rocker Box covers, cleaned and reinstalled with new gaskets leak tested ok
 See AD Listing Dated 9/23/2010 for details
 Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make Lycoming Ser.No. L-11657-61A

Model TIO-540-AH1A Reg.Number N133DR

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service Pertinent details of the repair are on file at the Agency

Work Order No. T0969 Date 10/1/2010

Signed [Signature] Inspector for

IA NO. 24P 3473756-1A

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



User/Installer Responsibilities

18. Date (m/d/y):
 User/Installer Responsibilities
 does not automatically constitute authority to install the part / component / assembly of an aircraft. The authority to install the part / component / assembly of an aircraft is the responsibility of the person performing the installation. The person performing the installation must ensure that the part / component / assembly is installed in accordance with the applicable regulations and specifications. The person performing the installation must also ensure that the part / component / assembly is installed in accordance with the applicable regulations and specifications.

ward

ENGINE LOG

Work Report

Page 1 of 1

Piper + Jet Maintenance AG



DE.145.0461

PIPER + JET MAINTENANCE AG - Flughafen Kassel - 34379 Calden

Registration: N133DR	Model: Piper PA-32-301XTC	Serial No.: 3255027	Year of Construction: 2005	Date: 01.06.2012
Operation Time: 1107:30	Landings: 0			

No.	Complaint	Action	Mechanic	Inspector/CS DI
1	Perform 100 hr. Annual Inspection	I certify that this aircraft has been inspected i/a/w a 100h inspection as per Piper 6X AMM chp. 05-20-00 and an annual inspection as per FAR 43 App "D" and was determined to be in airworthy condition		
2	Found all brake linings worn to limit	Installed new brake linings P/N: 066-06200 on L/H & R/H Brakes.		
3	Found L/H Main Wheel Tire worn to limit	Installed new Tire P/N: 070-317-0, S/N: 1326500482 Serviced Tire with nitrogen and performed leak check, no leaks detected.		
4	Found L/H Strut leaky	Replaced O-Rings and Seals as required. Serviced Strut with Fluid 41 and nitrogen as required.		
5	Found L/H Brake soft	Bleeded L/H Brake as required, found o.k.		
6	Perform FOD and Tool Box check after completion of all works	performed, found o.k.		
200026				

Date: 01 JUN 2012

Sign of Inspector / CS:

Stamp:



ASA-AIRCRAFT FORM 34-EN Rev. 1



MAINTENANCE 1710 Butler Field Dr Hutchinson MN 55350

N133DR
8/23/2013Lycoming TIO-540-AH1A
Hobbs: 1155.6S/N: L-11828-61A
ENTT: 1155.6

Annual Inspection on this date. Inspected and lubed Engine IAW 14 CFR 43 (d). Cleaned gapped, and inspected spark plugs, checked comp #1=77, 2=77, 3=78, 4=75, 5=78, 6=78. Changed oil and filter serviced with 1 lqts Aeroshell 15W50 and CH48110-1 filter. C/W AD 2011-26-04 by inspecting fuel lines and clamps per Lycoming MSB 342F. No faults found. AD next due at 1255.6 Hobbs. I certify this Engine has been inspected IAW an Annual Inspection and Determined to be in an airworthy condition at this time.

Ken Fischbach
Ken Fischbach A&P/IA 3557121

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought			



4316 Hangar Drive Lexington, KY 40510 859-255-1902

Engine Log Book

Date: 11/5/2013
Reg No: N133DR
Hobbs: 1165.1

Aircraft: PA32-301XTC

Shop Order: M-13-3283
Serial No. 3255027

1. Serviced engine with 11qts Aeroshell 15w-50 and new CH48110-1 filter. Cut open old filter for inspection and found no abnormal contamination or metallic particles. Oil analysis taken and sent. Ground run was normal with no leaks at filter base or quick drain.
2. Engine compressions taken hot: 1=77/80 2=78/80 3=78/80 4=75/80 5=78/80 6=77/80.

The aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 11/5/2013

Signed

Kenneth M. Harker A&P 36134831A

Total To
Carry Forward

and Remarks

Signature

Certificate No.

ENGINE MODEL: TIO-540-AH1A
ENGINE S/N: L-11828-61A
REG. NO: N133DR
WORK ORDER: 00001211

TDL Aero Enterprises

44 MACREADY DRIVE
Merced, CA 95340
Phone: 209-722-7300

DATE: 11/14/2013
A/C TSN:
ENG TT:
HOBBS: 1165

Engine Entries

Removed six (6) Lycoming fuel nozzles P/N LW18855 and installed General Aviation Modifications, Inc Turbo GAMjectors kit No. GLVT-6 S/N23273 STC No. SE09445SC PMA No. PQ821SW per turbo GAMjectors Installation Procedure No IP-98-002 (Rev D) dated Aug. 11 1998. No change in weight and balance.

DATE: 11/14/2013

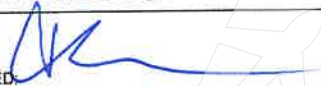
SIGNED:


Chris Palage, A&P: 3177058AP

Work Order: 00001211



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ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
<div> <div>ENGINE MODEL: TIO-540-AH1A ENGINE S/N: L-11828-61A REG. NO: N133DR WORK ORDER: 00001243</div> <div> TDL Aero Enterprises 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300 </div> <div> DATE: 1/10/2014 A/C TSN: ENG TT: HOBBS: 1230.7 </div> </div>				
Engine Entries IAW A 50 hour service , Cowlings removed, drained oil, removed oil filter and cut open to check for debris, none noted, serviced engine 8 quarts aero shell 100W, installed A new oil filter and safety tied, performed run up leak check, no leaks noted, reinstalled cowlings				
<div> DATE: 1/10/2014 SIGNED:  Work Order: 00001243 Chris Palage, A&P: 3177058AP Printed by EBis 3 (datamedia.com) </div>				
<div> <div>Total To Carry Forward</div> <div></div> <div>1 of 1</div> </div>				

and Remarks	Signature	Certificate No.
<div> <div>ENGINE MODEL: TIO-540-AH1A ENGINE S/N: L-11828-61A REG. NO: N133DR WORK ORDER: 00001287</div> <div> TDL Aero Enterprises 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300 </div> <div> DATE: 3/31/2014 A/C TSN: ENG TT: HOBBS: 1230.7 </div> </div>		
Engine Entries IAW A 100 hour inspection, Cowlings removed, drained oil, removed oil filter and cut open to check for debris, none noted, serviced engine 12 quarts aero shell 100W Plus, installed A new oil filter and safety tied, performed A horoscope and compression check, (1)666/80(2)72/80(3)68/80(4)44/80(5)72/80(6)76/80, performed run up leak check, no leaks noted, reinstalled cowlings,		
<div> DATE: 3/31/2014 SIGNED:  Work Order: 00001287 Chris Palage, A&P: 3177058AP Printed by EBis 3 (datamedia.com) </div>		
<div> <div></div> <div></div> <div>1 of 1</div> </div>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
<div> <div> ENGINE MODEL: TIO-540-AH1A ENGINE S/N: L-11828-B1A REG. NO: N113DR WORK ORDER: 00001304 </div> <div> TDL Aero Enterprises 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300 </div> <div> DATE: 4/24/2014 A/C TSN: ENG TT: HOBBS: 1333.3 </div> </div>				
Engine Entries REMOVED COWLING, DRAINED OIL, TOOK OIL SAMPLE REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED, SERVICED WITH AERO SHELL 100W, DE GREASED ENGINE, RUN UP LEAK CHECK COMPLETED, NO LEAKS NOTED REINSTALLED COWLING				
<div> DATE: 4/24/2014 SIGNED:  Work Order: 00001304 Chris Palage, A&P: 3177058AP Printed by EBis 3 (datcomedia.com) </div>				
				
<div> <div>Total To</div> <div></div> </div> <div> <div>Carry Forward</div> <div></div> </div>				

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

ENGINE MODEL: TIO-540-AH1A
 ENGINE S/N: L-11828-61A
 REG. NO: N133DR
 WORK ORDER: 00001582

TDL Aero Enterprises

44 MACREADY DRIVE
 Merced, CA 95340
 Phone: 209-722-7300

DATE: 8/21/2015
 A/C TSN: 1578.2
 ENG TT: 1578.2
 HOBBS: 1578.2

Engine Entries

Engine run up, oil drained, serviced with 12Qts. Aeroshell 100 plus, R & R CH48110-1 torqued to 16ft. lbs. safety wire, Old filter opened, no contaminants found. Removed oil screen, inspected, cleaned, installed with new MS35769-21 gasket, safety wired, Mag to engine timing checked. COMPRESSIONS: 1=70, 2=71, 3=72, 4=72, 5=73, 6=72/80, engine run up performed, no leaks.... Adjusted Idle RPM to 680, Idle mixture cut-off to a 30-40 rpm rise.... Installed 2 rocker cover screw STD 1925... Removed and replaced Cyl #1 intake gasket with new p/n 71973... C/W AD 2011-26-04 inspection of the fuel lines and clamps i/a/w MSB 342F, no leaks noted... C/W AD 2015-02-07 Propeller Governor Idler shaft set screw by N/A, Engine not Aerobatic.... C/W AD 2009-02-03 i/a/w G, H, J. plug not loose. Due at next Oil change of 50hrs.

I certify this Engine has been inspected i/a/w an ANNUAL INSPECTION per Manufacture's inspection check list and was found to be in an AIRWORTHY CONDITION for flight... Maintenance Release: The aircraft and/or component(s) were repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations.

Total
Carry

DATE: 8/21/2015

SIGNED:

Lupe Gonzalez, IA: 2883367

Work Order: 00001582

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and F

ENGINE MODEL: TIO-540-AH1A
 ENGINE S/N: L-11828-61A
 REG. NO: N133DR
 WORK ORDER: 00001619

TDL Aero Enterprises

44 MACREADY DRIVE
 Merced, CA 95340
 Phone: 209-722-7300

DATE: 10/14/2015
 A/C TSN: 1632.6
 ENG TT: 1632.6
 HOBBS: 1632.6

Certificate No.

Engine Entries

Engine run up, Oil drained, sump plug installed and safety wired, service with 11qts. AeroShell 100plus, R&R CH48110-1, torqued and safety wired, old filter inspected, no contaminants found, oil screen removed, cleaned, inspected and installed with new MS35769-21 gasket and safety wired, engine run up performed, no leaks noted.... Replaced leaking cyl #1 rocker cover gasket with new p/n 76036, no leaks noted... C/W AD 2009-02-03 i/a/w G, H, J. plug not loose. Due at next Oil change or 50hrs.

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 10/14/2015

SIGNED:

Lupe Gonzalez, A&P: 2883367

Work Order: 00001619

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ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001676 Phone: 209-722-7300

DATE: 3/7/2016
A/C TSN: 1704.3
ENG TT: 1704.3
HOBS: 1704.3

Engine Entries

Engine run up, Oil drained, sump plug installed and safety wired, service with 12qts. AeroShell 100plus, R&R CH48110-1, torqued and safety wired, old filter inspected, no contaminants found, oil screen removed, cleaned, inspected and installed with new MS35769-21 gasket and safety wired, engine run up performed, no leaks noted.

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 3/7/2016

SIGNED:

Work Order: 00001676

Tom Lopes, A&P: 4165486

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1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001681 Phone: 209-722-7300

DATE: 3/24/2016
A/C TSN: 1718.6
ENG TT: 1718.6
HOBS: 1718.6

Engine Entries

R&R starter with new PN 149-24PM

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 3/24/2016

SIGNED:

Work Order: 00001681

Tom Lopes, A&P: 4165486

Printed by EBis 3 (dalcomedia.com)

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001686 Phone: 209-722-7300

DATE: 4/8/2016
A/C TSN: 1727.5
ENG TT: 1727.5
HOBS: 1727.5

Engine Entries

Remove and Replace RHS Magneto with new PN 08-06360. Operational Checks OK.

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 4/8/2016

SIGNED:

Work Order: 00001686

Tom Lopes, A&P: 4165486

Printed by EBis 3 (dalcomedia.com)

1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001714 Phone: 209-722-7300

DATE: 9/13/2016
A/C TSN: 1770.9
ENG TT: 1770.9
HOBS: 1770.9

Engine Entries

IAW A 100Hr inspection, access panels, inspection covers, fairings, and cowlings removed. Airframe inspected and lubed per MFG. Service and Maintenance Manuals. Engine and flight controls checked and lubed. Serviced tires, battery, and brake fluid. Lights checked. AOA oil sample taken, changed oil, filter replaced, compressions checked, spark plugs inspected. Magneto timing checked. Washed down engine and performed run-up leak check, OK.... Oil Screen Inspected cleaned replaced crush gasket and reinstalled.... Remove and Replaced spark plugs with new RHB37E

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 9/13/2016

SIGNED:

Work Order: 00001714

Tom Lopes, A&P: 4165486

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1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001788 Phone: 209-722-7300

DATE: 2/14/2017
A/C TSN: 1837.9
ENG TT: 1837.9
HOBBS: 1837.9

Engine Entries

ANNUAL INSPECTION GENERAL ENGINE: Cowlings removed. Engine inspected and lubes per mfg. Service and Maintenance manuals. Engine controls checked and lubed, Drained oil, AOA oil sample taken, replaced oil filter, serviced with Aeroshell 100W, Compression checked, X/80 1) 72 2) 72 3) 72 4) 60 5) 66 6) 62 Spark plugs cleaned and gaped, as required timing checked, washed down engine and performed run-up... Replace Air Box Assembly hose with new pn 99849-005... replaced spark plugs number 3 and 5 with new PN RHB32E

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 2/14/2017

SIGNED:

Tom Lopes, A&P: 4165486

Work Order: 00001788

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1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001827 Phone: 209-722-7300

DATE: 7/26/2017
A/C TSN: 1884.4
ENG TT: 1884.4
HOBBS: 1884.4

Engine Entries

Remove Propeller, Remove Sanden AC compressor and AC belt, Reinstalled AC Compressor PN 1195111C installed new AC belt 37B19774-472, Reinstalled propeller, Serviced AC with R134A, Run up / AC checks ok... Removed and Replaced Alternator drive belt with new PN 37D22355... Oil drained, oil sample taken, serviced with 8 qts Aeroshell 100W Plus, R & R, AA48108-2, torqued to 16ft. lbs, old filter inspected Checks OK

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 7/26/2017

SIGNED:

Tom Lopes, A&P: 4165486

Work Order: 00001827

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1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001883 Phone: 209-722-7300

DATE: 9/14/2017
A/C TSN: 1911.4
ENG TT: 1911.4
HOBBS: 1911.4

Engine Entries

Removed Propeller, Remove and replaced Alternator drive belt with new PN 37D22355, reinstalled propeller, run up checks ok,

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 9/14/2017

SIGNED:

Tom Lopes, A&P: 4165486

Work Order: 00001883

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1 of 1

ENGINE MODEL: TDL Aero Enterprises
TIO-540-AH1A
ENGINE S/N: L-11828-61A 44 MACREADY DRIVE
REG. NO: N133DR Merced, CA 95340
WORK ORDER: 00001902 Phone: 209-722-7300

DATE: 10/27/2017
A/C TSN: 1926.8
ENG TT: 1926.8
HOBBS: 1926.8

Engine Entries

Removed Propeller, Remove and replaced Alternator drive belt with new PN 37D22355, reinstalled propeller, run up checks ok,

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 10/27/2017

SIGNED:

Tom Lopes, A&P: 4165486

Work Order: 00001902

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1 of 1

ENGINE MODEL: TIO-540-AH1A
ENGINE S/N: L-11828-81A
REG. NO: N133DR
WORK ORDER: 00001985

TDL Aero Enterprises

44 MACREADY DRIVE
Merced, CA 95340
Phone: 209-722-7300

DATE: 4/2/2018
A/C TSN: 1986.3
ENG TT: 1986.3
HOBBS: 1986.3

Engine Entries

ANNUAL INSPECTION GENERAL ENGINE: Cowlings removed. Engine inspected and lubes per mfg. Service and Maintenance manuals. Engine controls checked and lubed, Drained oil, AOA oil sample taken, replaced oil filter, serviced with Aeroshell 100W Plus, Compression checked, 1)70 2)64 3)72 4)54 5)66 6)66 Spark plugs cleaned and gaped, as required timing checked, washed down engine and performed run-up... Remove and Replace LHS intake hose with new 05-29913... Removed, retapped, and replaced 10-32 screw on Air Oil separator

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 4/2/2018

SIGNED:

Work Order: 00001985

Tom Lopes, JA 4165486

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1 of 1

ENGINE MODEL: TIO-540-AH1A
ENGINE S/N: L-11828-81A
REG. NO: N133DR
WORK ORDER: 00002020

TDL Aero Enterprises

44 MACREADY DRIVE
Merced, CA 95340
Phone: 209-722-7300

DATE: 6/14/2018
A/C TSN: 2034.5
ENG TT: 2034.5
HOBBS: 2034.5

Engine Entries

Oil drained, oil sample taken, serviced with 8qts Aeroshell 100W, R & R, CH48108-1, torqued to 16ft. lbs, old filter inspected, checked, good.... Adjusted tension on Alternator Belt per MM

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 6/14/2018

SIGNED:

Work Order: 00002020

Tom Lopes, A&P 4165486

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1 of 1

ENGINE MODEL: TIO-540-AH1A
ENGINE S/N: L-11828-81A
REG. NO: N133DR
WORK ORDER: 00002084

TDL Aero Enterprises

44 MACREADY DRIVE
Merced, CA 95340
Phone: 209-722-7300

DATE: 1/17/2019
A/C TSN: 2088.2
ENG TT: 2088.2
HOBBS: 2088.2

Engine Entries

Oil drained, oil sample taken; serviced with 8qts Aeroshell 100W, R & R, AA48108-2, torqued to 16ft. lbs, old filter inspected, checked, good. Aircraft run up leak checked OK.

Maintenance Release: The aircraft and/or component(s) on N133DR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 1/17/2019

SIGNED:

Work Order: 00002084

Tom Lopes, A&P 4165486

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1 of 1

ENGINE MODEL: TIO-540-AH1A
ENGINE S/N: L-11828-81A
REG. NO: N133DR
WORK ORDER: 00002151

TDL Aero Enterprises

44 MACREADY DRIVE
Merced, CA 95340
Phone: 209-722-7300

DATE: 9/19/2019
A/C TSN: 2140.4
ENG TT: 2140.4
HOBBS: 2140.4

Engine Entries

ANNUAL INSPECTION GENERAL ENGINE: Cowlings removed. Engine inspected and lubes per mfg. Service and Maintenance manuals. Engine controls checked and lubed, Drained oil, AOA oil sample taken, replaced oil filter, serviced with Aeroshell W100 Plus, Compression checked, 1) 65 2) 67 3) 67 4) 56 5) 63 6) 57. Mag timing checked, washed down engine and performed run-up... Adjust and apply RTV to prevent Turbo air filter box from further chaffing on exhaust hot air shroud... Retorque all rocker covers... Remove and replace induction tube gaskets with new... Remove and replace spark plugs with new RHB37E(F)... Remove and replace air filter with new... Repaired #5 lower spark plug lead

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 9/19/2019

SIGNED:

Work Order: 00002151

Tom Lopes, JA 4165486

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1 of 1

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 25411

DATE 04/28/2020

MAKE Lycoming

MODEL TIO-540-AH1A

S/N L-11828-61A

ENGINE TOTAL TIME

TSMOH 0.0

TBO 2000



Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Ohman M. Reshec
Authorized Signature

04/28/2020

Date

Test ran Lycoming TIO-540-AH1A engine serial number L-11828-61A for 2 hours 15 minutes, RPM 2500, oil pressure 82 lbs, oil temperature 193 degrees, CHT 409. Magneto check at 2100 RPM, L 130 RPM, R 130 RPM. Compression test cylinder #1 78/80 #2 79/80 #3 79/80 #4 79/80 #5 79/80 #6 79/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M. wo# 24648
Signed: Ohman M. Reshec Date: 04/28/2020

QUANTITY	PART NUMBER	DESCRIPTION	SALE AMOUNT
2	18B23885	BEARING	
6	18E23886	BEARING	
12	18N26106	BEARING	
6	73772	NOZZLE	
1	61084	SPRING	
1	76155	TACH SHAFT	
4	73810	BUSHING	
2	73648	ROLLER	
2	76788	ROLLER	
8	71907	WASHER	
8	LW-14820	RING	
1	STD-2247	BOLT	
1	13S19648	GEAR	
2	71668	IDLER GEAR	
1	AN56H1032H5	SET SCREW	
1	51A22618	BODY	
1	05K23463	GEAR KIT	
1	76784	SHAFT OIL PUMP	
1	STD-95	KEY	
1	MS16562-28	PIN	
1	53E22144	VALVE	
12	LW-12596	BOLT	
12	LW-12186	NUT	
12	74389	BUSHING	
12	72426	SHAFT	
4	75338	BAFFLE	
2	67542	BEARING	
4	68H22624	CUSHION	
12	LW-16266-10	CLAMP	
10	LW-16266-10	CLAMP	
12	951391	O-RING	
4	LW-16266-25	CLAMP	
2	STD-2048	HOSE	
1	LW-12093-5	CLAMP	
1	LW-12125-3	CLAMP	
1	LW-1093-6	CLAMP	
4	AN6C12A	BOLT	

PARTS CONTINUED ON NEXT PAGE....

MISCELLANEOUS PARTS

EXHAUST SYSTEM

Triad Aviation, Inc.
FAA Repair Station #PP4R448M
 3439 South Aviation Drive
 Burlington, NC 27215
 Telephone (336) 227-1467

NAME: **Airmart Aircraft Holdings**
 ADDRESS: **4144 Aviation Road, #5D**
Lexington, KY 40510

(859) 233-9399		INVOICE / WORK ORDER
EMAIL: grant@airmart.com	NO. 25411	
CELL: billing@airmart.com		
MAKE: Lycoming	DATE: 2/14/2020	
MODEL: TIO-540-AH1A	WRITTEN BY: JMK	
REGISTRATION NO.	P.O. NO.	
SERIAL NO. L-11828-61A	TACHOMETER	

INSTRUCTIONS/WORK DESCRIPTION

Overhaul Lycoming TIO-540-AH1A engine serial number L-11828-61A
 Overhauled and test ran.
 Camshaft - New from Lycoming P/N 05K22721 lot #MS-526288
 Cylinders - New from Lycoming (6) P/N 05K21262 lot #MS-531129
 Magnets - New from Slick P/N 6360 S/N 20031200 P/N 6361 S/N 20020850
 Fuel Pump - P/N RG9080JA/M S/N CF0D3201 overhauled by Tempest
 Fuel Servo- P/N 2576554-3 S/N 720BBF01 overhauled by Precision Airmotive
 Flow Divider - P/N 2524232-2 S/N A0BJH01 overhauled by Precision Airmotive
 Nozzles - New from Precision Airmotive(6) P/N 2524926-1
 Connecting Rods - (6) P/N LW19332 repaired by ACS
 Counterweights - (2) P/N 19210 repaired by ACS
 Turbocharger - P/N 46C1986 S/N IEL00093 overhauled by ATC
 Controller - P/N 48B22488 S/N HHN00072 overhauled by ATC
 Wastegate - P/N 47J22459 S/N HAN00144 overhauled by ATC
 Pressure Relief Valve - P/N LW14445-12 S/N HHN00218 overhauled by ATC

This engine and/or component is approved for return to service. All pertinent details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR STATION #PP4R448M.

Signed: *[Signature]* Date: 04/28/2020

ENGINE OVERHAUL

TOTAL PARTS

MISCELLANEOUS PARTS

ENGINE TRANSPORTATION

TAX

TOTAL

I hereby authorize the following work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above aircraft to secure the amount of repairs thereto.
 You will not be held responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

X

Triad Aviation, Inc.
FAA Repair Station #PP4R448M

[illegible]

Triad Aviation, Inc.
FAA Repair Station #PP4R448M

INSTRUCTIONS/WORK DESCRIPTION

CW 2003-14-03 dated 08/14/2003 To prevent rotary fuel pump leaks CW newly OH installed pump P/N RG9080JA/M S/N CF0D3201 CW 2004-05-24 C dated 03/30/2004 To prevent loss of all engine power CW per SB 554 installed new bolt P/N STD2247 CW 204-10-14 C dated 06/25/2004 To prevent loosening or failure of the crankshaft gear retaining bolt CW per SB 475C CW 2012-19-01 dated 10/24/2012 To prevent failure of the crankshaft CW installed crankshaft P/N 13F17727 S/N V337935131 CW 2015-02-07 dated 03/11/2015 To prevent the governor shaft set screw from coming loose CW per SI1343B CW 2015-19-07 dated 11/03/2015 To prevent failure of the fuel injector fuel lines CW per SB 342G CW 2017-16-11 dated 08/15/2017 To prevent connecting rod failure CW installed bushing P/N LW13923

AirMart.com
 AIRCRAFT SALES & BROKERAGE

TOTAL

PARTS CONTINUED ON NEXT PAGE...		
MISCELLANEOUS PARTS		
	EXHAUST SYSTEM	4,522.00
		4,522.00

NAME	Airmart Aircraft Holdings
ADDRESS	4144 Aviation Road, #5D Lexington, KY 40510

N	
1828-61A	
29	
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AGE	
auled by ATC	
service. All pertinent	
FAA REPAIR	
Date: 04/28/2020	

INSTRUCTIONS/WORK DESCRIPTION			
Overhaul Lycoming TIO-540-AH1A engine serial number L-11828-61A			
Overhauled and test ran.			
Camshaft - New from Lycoming P/N 05K22721 lot #MS-526288			
Cylinders - New from Lycoming (6) P/N 05K21262 lot#MS-531129			
Magnetos - New from Slick P/N 6360 S/N 20031200 P/N 6361 S/N 20020850			
Fuel Pump - P/N RG9080JA/M S/N CF0D3201 overhauled by Tempest			
Fuel Servo - P/N 2576554-3 S/N 720BBF01 overhauled by Precision Airmotive			
Flow Divider - P/N 2524232-2 S/N A0BJH01 overhauled by Precision Airmotive			
Nozzles - New from Precision Airmotive(6) P/N 2524926-1			
Connecting Rods - (6) P/N LW19332 repaired by ACS			
Counterweights - (2) P/N 19210 repaired by ACS			
Turbocharger - P/N 46C1986 S/N IEL00093 overhauled by ATC			
Controller - P/N 48B22488 S/N HHN00072 overhauled by ATC			
Wastegate - P/N 47J22459 S/N HAN00144 overhauled by ATC			
Pressure Relief Valve - P/N LW14445-12 S/N HHN00218 overhauled by ATC			
This engine and/or component is approved for return to service. All pertinent details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M.			
Signed: <u><i>Thomas M. Roethel</i></u> Date: 04/28/2020			
<p>I hereby authorize the following work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above aircraft to secure the amount of repairs thereto.</p> <p>You will not be held responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.</p> <p>X _____</p>		ENGINE OVERHAUL	59,900.00
		TOTAL PARTS	
		MISCELLANEOUS PARTS	4,522.00
		ENGINE TRANSPORTATION	1,200.00
		TAX	
		TOTAL	65,622.00

FAA Repair Station #PP4R448M

[illegible]

Triad Aviation, Inc.
FAA Repair Station #PP4R448M

INSTRUCTIONS/WORK DESCRIPTION	
	<i>CW 2003-14-03 dated 08/14/2003 To prevent rotary fuel pump leaks CW newly OH installed pump P/N RG9080J4A/M S/N CF0D3201 CW 2004-05-24 C dated 03/30/2004 To prevent loss of all engine power CW per SB 554 installed new bolt P/N STD2247 CW 204-10-14 C dated 06/25/2004 To prevent loosening or failure of the crankshaft gear retaining bolt CW per SB 475C CW 2012-19-01 dated 10/24/2012 To prevent failure of the crankshaft CW installed crankshaft P/N 13F37727 S/N V537935131 CW 2015-02-07 dated 03/11/2015 To prevent the governor shaft set screw from coming loose CW per SI1343B CW 2015-19-07 dated 11/03/2015 To prevent failure of the fuel injector fuel lines CW per SB 342G CW 2017-16-11 dated 08/15/2017 To prevent connecting rod failure CW installed bushing P/N LW13923</i>
	TOTAL

AirMart.com
 AIRCRAFT SALES & BROKERAGE

Powerplant Log Book

Date: 05-18-2020

AirMart
 AIRCRAFT SALES & BROKERAGE

Reg No: N133DR	Aircraft Type: PA-32-301XTC	Aircraft S/N: 3255027
Tach: N/A	Hobbs: 2154.6	Aircraft Total Time: 2154.6
Engine Total Time: 2154.6	Engine SMOH: 0	Engine S/N: L-11828-36A

1. Removed engine M/N: **TIO-540-AH1A**, S/N: **L-11828-36A**, and sent to Triad Aviation for overhaul under W/O: **25411**. Installed overhauled engine M/N: **TIO-540-AH1A**, S/N: **L-11828-36A** on aircraft with new engine shock mounts P/N: **J-9613-19**, & **J-9613-12**, and engine mount bolts P/N: **AN7-35A**, & **AN7-34A**. Installed overhauled propeller M/N: **HC-13YR-1RF**, S/N: **HK1050B**, torqued and safety wired nuts with .041, in accordance with propeller and airframe manufacturer manuals. Serviced with 12qts **Aeroshell W15W-50** oil, and pre-oiled engine. Ground run performed,,leak check and ops checked OK.
2. Complied with **AD 2015-19-07** by visual inspection in accordance with Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G.
3. Installed new fuel, oil, and pressure hoses from firewall forward, installed new rubber drain line hoses and breather hose. Hoses made by Aero Performance under Order number: **7390165**.
4. Removed prop governor and sent for overhaul by Aircraft Specialists, Inc. under W/O: **APP20-03559**. Installed Propeller governor P/N: **V-5-6**, S/N: **G674J**, with new gasket, ops checked OK.
5. Installed new SkyTec starter P/N: **149-24PM**, S/N: **H-U010994**.
6. Installed new induction air filter P/N: **P15-1936**.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 5-18-2020Signed: 

Robert Crawford, A&P: 3895252

ENGINE LOG



Leading the Business of Aviation

ENGINE RECORD ENTRY

Registration N34XT
 Model No. PA-32-301XTC
 Serial No. 3255034
 Engine M/N TIO-540-AH1A
 Engine S/N L-11828-61A

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 2180.8
 Total Time 2180.8
 TSMOH 26.2

Page 1 of 1

- 100 HOUR INSPECTION COMPLETED THIS DATE AND ROUTINE MAINTENANCE PERFORMED IAW FAR 43 APPENDIX D USING THE PIPER PA-32R-301T 5-20-00 INSPECTION REPORT AS A GUIDE. INCOMING AND OUTGOING RUNS AND SYSTEMS OPERATIONAL CHECKS WERE PERFORMED.
- COMPRESSION CHECK RESULTS; # 1 76/80, # 2 78/80, # 3 78/80, # 4 78/80, # 5 78/80, # 6 78/80.
- DRAINED OIL AND OBTAINED AOA SAMPLE. REMOVED FILTER AND OPENED TO INSPECT FOR METAL. NONE FOUND. INSTALLED NEW FILTER P/N CH48110-1 AND OIL SUMP DRAIN VALVE P/N 492-018. SERVICED ENGINE WITH PHILLIPS AERSHELL 15W50 OIL. GROUND RUN AND LEAK CHECKED GOOD.

I CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FAR 43 APPENDIX D AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under **Work Order: 11M-5343**

Date: 08/26/2020 Authorized Signature B. TANIS

Total To
Carry Forward

and Remarks

Signature

Certificate No.

Southmost
 AVIATION

SOUTHMOST AVIATION

973 S. MINNESOTA AVE.



BROWNSVILLE, TX. 78521

Registration:	Make/Model:	Serial no.:	Hobbs:	Date:
N133DR	PIPER/PA32-301XTC	3255027	2224.40	28DEC.2020
			A.F.T.T.:	
			2224.40	

At this time the following maintenance completed. Ran aircraft engine to operational temps. Removed cowlings. Removed safety wire from drain plug and suction screen. Drained oil & removed suction screen. Inspected suction screen/cleaned. No contamination found. Reinstalled/torqued drain plug & suction screen with new gasket MS35769-18. Safetied both. Removed filter & installed new unit p/n: CH48110-1 torqued & safetied. Filled sump with Aeroshell 15W-50 oil. Ran engine to operational temps. No leaks noted & all indications normal. Work completed as per Piper PA32-301XT M.M. & Textron maintenance recommendations. This engine with respect to work completed is determined at this time to be in an airworthy condition and is approved for return to service.

JON K. DOUGLAS
 A&P2731054IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
 McCREERY AVIATION CO., INC. P. O. BOX 1659 McALLEN, TX 78505				
ENGINE 05/17/2021 REG. NO.: N133DR MODEL: TIO-540-AH1A S/N: L-11525-61A				
→ DRAINED ENGINE OIL, REMOVED OIL FILTER AND CUT OPEN, NO CONTAMINATION FOUND. INSTALLED AND SAFETIED NEW OIL FILTER P/N: CH48110-1. SERVICED ENGINE WITH 10 QUARTS OF AEROSHELL 15W50 OIL. → WASHED ENGINE, PERFORMED LEAK CHECK. OPS CHECK GOOD.				
PERTINENT DETAILS OF REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO.: M-21-8247				
DATE: 05/17/2021 SIGNED:  ANTHONY PRATS				
McCREERY AVIATION CO., INC. FAA REPAIR STATION NO. CRSHLFR716E McALLEN, TX 78503				
Total To Carry Forward				



ENGINE
08/18/2021
REG. NO.: N133DR
MODEL: TIO-540-AH1A
S/N: L-11828-61A

McCREERY AVIATION CO., INC.
P.O. BOX 1659
McALLEN, TX 78505

HOBBS: 2306.0
E.T.T: 2306.0
TSMO: 0151.4
W.O.#: M-21-8591

- COMPLIED WITH ANNUAL INSPECTION IN ACCORDANCE WITH FAR 43 APPENDIX D USING THE PIPER MODEL PA32-301XTC MAINTENANCE MANUAL INSPECTION CHECKLIST AS A GUIDE.
- DRAINED ENGINE OIL, REMOVED OIL FILTER AND CUT OPEN, NO CONTAMINATION FOUND. INSTALLED AND SAFETIED NEW OIL FILTER P/N: CH48110-1. SERVICED ENGINE WITH 12 QUARTS OF AEROSHELL 15W50 OIL.
- WASHED ENGINE, PERFORMED A GROUND ENGINE RUN-UP. OPS CHECK OK. NO LEAKS FOUND.
- COMPRESSION CHECK: 1) 75/80 2) 76/80 3) 76/80 4) 77/80 5) 76/80 6) 77/80
- COMPLIED WITH AD 15-19-07 EXTERNAL FUEL INJECTION LINES PER MSB 342G. NO ABNORMALITIES NOTED AT THIS TIME.
- COMPLIED WITH AD 17-11-10 EXHAUST INSPECTION FLANGE NUTS AND SYSTEM INTEGRITY PER SB627C. NO ABNORMALITIES NOTED.
- REPOSITIONED HEAT SHIELD, TORQUED CLAMPS AS REQUIRED.
- REPOSITIONED TRANSITION PIPE FROM MUFFLER TO MINIMIZE LEAK. INSTALLED NEW NUTS P/N: S1604-4.
- RETORQUED ALLL FOUR BOLTS/ NUTS TO 45 FT/LBS NAD V-BAND TO 50 IN/LBS, WASTEGATE CLAMP TO 9 IN/LBS
- COMPLIED WITH ALL APPLICABLE AD'S AND BI-WEEKLY THRU 2021-17.

I CERTIFY THAT THIS ENGINE IDENTIFIED ABOVE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND CURRENT FEDERAL AVIATION REGULATIONS AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO.: M-21-8591.

DATE: 08/18/2021

SIGNED:

ANTHONY PRATS

McCREERY AVIATION CO., INC.
FAA REPAIR STATION NO. CRSHLFR716E
McALLEN, TX 78503