

Left SN RL-560-62

ENGINE -

Company
Manufacturer TEXTRON LYCOMING
Model TIGO-541 SERIES
Location
Serial #

TSMOH 922.3 02-04-05
Total Time 1984.2

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	O	R	Next Comp @ Hrs/Date	Authorized Signature & Number
*03-14-03 08/14/03	ROTARY FUEL PUMP RELIEF VALVE SCREWS/	0305-16 1984.2	cu by visual check Checked OK		X	50 hours = 2034.2	[REDACTED]
*04-10-14 C1 08/25/04	CRANKSHAFT GEAR AND GEAR RETAINING BOLT/		NATE TIGO 541-E1A		X	✓	
11-13-03 07/13/11	MACHINING DEBRIS IN TURBOCHARGER CAVITIES/		NATE Turbo Installed	X			

BARKER AEROMOTIVE, INC.

4207 N. Jarvis Ave.
Laredo, TX 78041
(956) 724-7897

1-03-18 N82605 PA31-P, SN 31P-7730010

Hobbs: 2089.2 ATT: 3185.

Placed aircraft on jacks, checked gear retraction and emergency extension. Serviced hyd. reservoir with 5606 hyd. fluid. Lubed and greased complete landing gear. C/W Far 91-207D and slap test, replaced ELT, battery date Removed main battery, charged and serviced. Lubed all push pull control cables and engine control cables. C/W Annual lube of aircraft. C/W AD 04-21-05v heater inspection N/A at this time. Due at heater Hobbs: 498.0. C/W AD 82-27-13R1, inspection of flap extension System. C/W AD 03-24-07, inspected rudder for corrosion, none noted at this time. C/W AD 04-25-16R1 inspection of heater fuel regulator shut off valve, no leaks noted. C/W AD 09-13-06R1 inspection and lube

Cont'd.

of nose baggage door. C/W AD 14-23-03 visual inspection of exhaust system on both engines. Replaced flap rollers on both flaps, PN 1@ CA86102-104, 4@ CA86102-105, 4@ CA86102-106, 12 @ CA 4413-005 bushings, 12 @ AN4-12A. Checked flap rigging and operation. Removed and replaced positive terminal strap on battery box PN 14069-02. I certify that this aircraft has been inspected IAW an Annual inspection and was determined to be in Airworthy condition.

Wayne Barker

BARKER AEROMOTIVE, INC.

4207 N. Jarvis Ave.
Laredo, TX 78041
(956) 724-7897

RT. ENG

1-03-18 N82605 TIGO 541-E1A, SN 748-62

Hobbs: 2089.2 TSMOH: 1027.30

Changed oil, changed oil filter, checked filter for metal, none noted. Serviced with Exxon Elite 20W50, installed new oil filter PN CH48104-1. Compression check #1 72/80 #2 74/80 #3 72/80 #4 72/80 #5 74/80 #6 72/80. Checked mag. timing. Removed all plugs cleaned, gapped and tested. Removed and sonic cleaned fuel screens. C/W AD 03-14-03 on rotary fuel pump for leakage, none noted. Replaced exhaust clamps 2@ PN LW12093-5, 2@ R17651-T, 1@ 555-366, 4@ 75845 gaskets, 4@ 24096-200N. Torqued and safetied clamps. pressure checked exhaust system. Checked general condition of engine and accessories. Engine test ran. Leaked and ops checked. I certify that this engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.

Wayne Barker

LT. ENG.

1-03-18 N82605 TIGO 541-E19AE, sn 560-62

HOBBS: 2089.2 TSMOH: 1027.30

Changed oi, changed oil filter, checked filter for metal, none noted. Serviced with Exxon El;ite 20W50, installed new3 oil filter PN CH14104-1. Removed all plugs cleaned, gapped and tested. Compression check #1 72/80 #2 74/80 #3 72/80 #4 74/80 #5 72/80 # 6 72/80. Checked mag. timing. Removed and sonic cleaned fuel screens. C/W AD 03-14-03 on rotary fuel pump for leakage, none noted. Removed and reinstalled fuel servo PN 2524501-9, SN 42789 after OH. (See 1830 Aircraft Accessories). replaced all intake gaskets 6 @ PN 71973 and intake orings 6@ PN 72716. Replaced EGT probe on #5 cylinder PN M111. I certify that this engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.

Wayne Barker





BARKER AEROMOTIVE, INC
4207 N. Jarvis Ave. Laredo, TX
(956) 724-7897

BARKER AEROMOTIVE, INC
4207 N. Jarvis Ave. Laredo, TX
(956) 724-7897

1-03-2018 N82605 PA31-P 31P-7730010

1-03-2018 N82605 PA 31-P 31P-7730010

Hobbs: 2089.2 SMOH: 473.00

Hobbs: 2089.2 SMOH: 473.00

Removed spinner, greased prop. serviced dome
pressure. Checked general condition of propeller.

Removed spinner, greased prop., serviced dome
pressure. Checked general condition of propeller.

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

I certify that this prop. has been inspected IAW an
Annual inspection and was [REDACTED]

Wayne Barker [REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

		 Leading the Business of Aviation		LEFT ENGINE RECORD ENTRY	
Registration	N82605	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	1886.4
Model No.	PA-31P			Total Time	--
Serial No.	31P-7730010				
Engine M/N	TIGO-541E1A				
Engine S/N	RL-560-62			PAGE 1 OF 1	
1. REINSTALLED THIS ENGINE M/N TIGO-541E1A S/N RL-560-62 AFTER CUSTOMER ARRANGED REPAIR. WORK PERFORMED PER PA-31P MM SECTION 8-30. PERFORMED GROUND RUN AND LEAK CHECK WITH SATISFACTORY RESULTS. REFERENCE MIDWEST AIRCRAFT SERVICES, INC. LOG ENTRY DATED 04-20-2015. 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-3241					
Date:	06/19/2015	Authorized Signature:		 Richard Kurland	

Record General Information

Manufacturer Piper

Model PA-31P

PA-7730010

Registration Number N82605

Manufacture

currently installed:

Manufacturer Lycoming

Model T140-541-E1A Serial RL-560-62

Manufacturer Lycoming

Model T140-541-E1A Serial RL-748-62

(s) currently installed:

Manufacturer Hartzell

Model HC-C3YN-2LUF

Model

Serial DA-164

Serial DA-209

Model

Serial

Serial

Serial

Model

Serial

Serial

Serial

les.)

TIME

SERVICE

Technician or Repair Facility (See back pages for other specific entries.)

MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton, Kansas

03-05-16 N82605, Piper PA31P, SN 7730010

Hobbs: 1984.2 hrs ACTT: 1100.1 + 1984.2 = 3084.3 hrs Heater Hobbs: 803.70"

Jacked aircraft, greased landing gear zerks, performed landing gear retraction and extension checks. ELT inspected and tested as per 91.207(d). ELT battery replaced, PN BP1-26. ELT battery to be replaced by Feb 2018. Removed and reinstalled oxygen bottle PN 49 cu ft, SN 75956S/4950 after inspection and hydrostatic test performed by Aerospace Turbine Rotables Inc, their WO# 85243. Serviced bottle with aviators breathing oxygen, next hydro check due 03-2021. Replaced cabin heater hobbs meter with new Datcon PN 100690/873. Heater has approximately 2.0 hrs TIS since heater was overhauled 01-08-16. AD#04-21-05 dated 11-19-04 due upon accumulation of 500 hours TIS of heater due by Heater Hobbs time of 498.0 hrs. Replaced all fuel cap rings with new PN MS29513-338. Replaced rivets as needed bottom side of flap.

C/W AD#82-27-13R1 dated 08-18-83 by inspection of flap transmissions for excessive wear, due every 100 hours, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs.

C/W AD#03-24-07 dated 02-09-04 by inspection of rudder tube corrosion, none noted, due every 12 calendar months, next due by 04-01-17.

C/W AD#04-25-16R1 dated 06-20*05 by inspection for fuel leakage of the heater fuel regulator shut-off valve, no leakage noted, due every 100 hours or 12 months, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs or 04-01-17, whichever occurs first.

C/W AD#09-13-06R1 dated 11-03-11 Part (f)(2) by inspection and lubrication of the nose baggage door components, due every 100 hrs, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs.

C/W AD#14-23-03 dated 12-18-14 by visual inspection of Lycoming and Piper exhaust system parts on both engines, no defects noted due every 60 hours or 6 months, next due by Hobbs 2044.0 hrs or ACTT 3144.3 hrs or by 09-05-16, whichever occurs first.

I certify that this aircraft has been inspected in accordance with an
ANNUAL inspection and was approved for return to service in an
airworthy condition.

Engine Record General Information

Left

Manufacturer Lycoming

Model TI60-541-E1A

Serial RL-560-62

Type Certificate E19EA

This engine is currently installed in aircraft: N82605

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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South Delta Aviation

Helena-West Helena, AR 72390

870-572-9011

N82605

left engine

Date: 2-5-15

Hobbs: 1879.9

SMOH: 818.0

TTE: 1879.9

Completed annual inspection this date: Previous records were unavailable at this time. The above times and AD compliance were computed and researched using past information from Rocket Aviation. Compression test results are - 1=72, 2=72, 3=72, 4=70, 5=68, 6=64. Changed oil and filter. Cut filter, and cleaned pick-up screen - no metal found. Serviced with Aeroshell W100PLUS. Serviced all spark plugs. Checked lines, hoses, mounts and controls. Tightened all rocker screws. Installed overhauled dry air pump p/n 842CW, s/n 20139 from Holly Aero. Ground run up found to be satisfactory - no leaks noted. See AD list in aircraft records for details of compliance.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION.

Michael D. Schlesselman

MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas

04-20-15 LH Engine: Lycoming TIGO-541-E1A, SN RL-560-62

Hobbs: 1886.4 hrs

This engine was disassembled for metal contamination and repaired as necessary. The engine was reassembled using the following new parts: rod bearings, main bearings, rod bolts, rod nuts, piston rings, starter drive shaft PN LW12241, gaskets and seals. The engine was test run and checked okay

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteratio Entries must be endorsed with Name, Rating and Certificate Number c Technician or Repair Facility. (See back pages for other specific entrie

Piper

CUTTER
Leading the Business of Aviation

LEFT ENGINE
RECORD ENTRY

Registration	N82605
Model No.	PA-31P
Serial No.	31P-7730010
Engine M/N	TIGO-541E1A
Engine S/N	RL-560-62

Cutter Aviation San Antonio, Inc.
367 Sandau Rd.
San Antonio, Texas 78216
FAA Repair Station No. U7TR491Y
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1897.4
Total Time	--

PAGE 1 OF 1

1. ADJUSTED OIL PRESURE TO 85 PSI PER PA-31P MM 8-80.

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-3403

Date: 07/07/2015

Authorized Signature: [Redacted]

Richard Kurlanc

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				11/27/15 N82605 Hobbs: 1965.4 PA31P, S/N: 7730010 L/H engine: Lycoming TIGO-541-E1A,s/n; RL-560-62 Drain oil and cleaned screens, replaced oil filter with new p/h; CH48104-1 nad service engine with Exxon Elite SAE 20w/50 and 1 and 1/2 pints of camguard. I found it safe to return to service only on the work performed. [Redacted Signature] I/A Miguel H. [Redacted] [Redacted]
				<u>MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas</u> 01-22-16 N82605, Piper PA31P, SN 7730010 LH Engine Lycoming TIGO-541-E1A, SN RL-560-62 Hobbs: 1980.7 hrs Replaced wastegate (Kelly/Hartzell) PN 470818-9005, SN XJO17879 with overhauled unit from Main Turbo Systems their WO# 49616. Replaced turbo to tail pipe clamp with new PN NH1005718-10. [Redacted]

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas

03-05-16 N82605, Piper PA31P, SN 7730010

LH Engine Lycoming: TIGO-541-E1A, SN RL-560-62

Hobbs: 1984.2 hrs Engine Total Time: 1984.2 hrs TSO: 922.3 hrs

Changed oil and oil filter, serviced with 16 qts Exxon Elite SAA20w50 and new oil filter PN CH48104-1. Old oil filter cut open, inspected for contaminants, none noted. Checked mag timing and ignition leads. Cleaned, gapped and tested spark plugs. Compression checked: #1 78/80, #2 78/80, #3 78/80, #4 78/80, #5 71/80, #6 74/80.

Removed and reinstalled alternator to facilitate replacing alternator drive seal and gasket.

C/W AD#03-14-03 dated 08-14-03 by visual inspection of rotary fuel pump for leaks, none noted, due every 50 hrs, next due by Hobbs 2034.2 hrs.

I certify that this engine has been inspected in accordance with an
100 Hour/ANNUAL inspection and was approved for return to service in
an airworthy condition.

MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas

05-26-16 N82605, Piper PA31P, SN 7730010

LH Engine Lycoming: TIGO-541-E1A, SN RL-560-62

Hobbs: 2027.6 hrs

Removed and replaced starter with overhauled unit Prestolite PN MHB-4005, SN A414062 from Aerotech of Louisville, their WO#111456. Removed and replaced engine drive dry air pump with overhauled unit PN 842CW, SN 22366 from Holly Aero Inc., their WO#22366. Replaced left pneumatic filter PN RA1J4-6, Lot#11315, SL#536. Replaced left pneumatic filter PN 554-777. Replaced left engine tail pipe with overhauled unit PN 48788-005, SN 95965 from Aerospace Welding, their WO# 95965 using new gaskets PN 78083 and 75845. Replaced left engine tach generator with overhauled unit PN MS25038-2 (H60-050), SN 64490 from Quality Aircraft Accessories, their WO#011566. Replaced #1 cylinder CHT probe with new Tanis PN TAS2144K.

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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AHR AVIATION

AHR AVIATION CRS#CF2R740R
SAN ANTONIO INTERNATIONAL A/P
(Left engine Entry) PG.1

AHR AVIATION

N82605

SN: 31P-7730010

WO#: 40633

Hobbs: 2039.1

TG10 541-E1A Serial number RL-560-62

PERFORMED THE FOLLOWING:

- Removed and replaced left engine exhaust Kinsley part number 78004, 78005, 78286, 77427, 78287, 78011, 77930, K78012, and K78008.
- Installed a new tach drive adapter part number LW-11679 with tach drive cannon plug part number 465-105 and overhauled tach part number 22A667 serial number 80023. Rewired new cannon plug from firewall to tach.
- Removed and replaced oil hose from turbo to wastegate.

All maintenance performed on this (Airframe, Engine, Propeller, Component) was performed in accordance with current regulations of the Federal Aviation Administration and was determined to be in an airworthy condition and is approved for return to service for work performed. Pertinent details of the maintenance are on file at this Repair Station under the Work Order Number stated above. A copy of this work order has been given to the operator.

INSPECTOR: Jose Talamantes

DATE: 07/12/2016

AHR Aviation
567 Sandau Rd.
San Antonio, TX 78216
Tel: (210) 377-3195

[REDACTED]
[REDACTED]
D. Schlesselman

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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AHR AVIATION CRS#CF2R740R
SAN ANTONIO INTERNATIONAL A/P
AIRFRAME ENTRY



N82605

S/N 31P-7730010

HOBBS: 1886.4

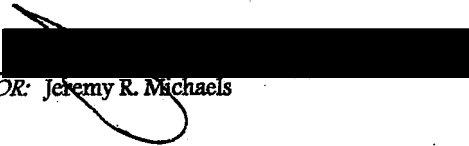
W/O# 39665

Performed the Following

****C/W PITOT/STATIC SYSTEMS INSPECTION ON THE FOLLOWING EQUIPMENT: #1 ALTIMETER PN D22061-04-04
SN AF55-4713 AND #2 ALTIMETER PN 5934PA-1 SN LS412 AND WERE FOUND TO MEET THE REQUIREMENTS OF
FAR 91.411 APP.E TO 30,000FT.****

****C/W ALTITUDE REPORTING SYSTEM/TRANSPONDER INSPECTION ON THE INSTALLED GARMIN GTX330 #1
XPDR P/N 066-01156-0101 SN 84122840 AND THIS UNIT WAS FOUND TO MEET THE REQUIREMENTS OF FAR
91.413 APP.F.****

*All maintenance performed on this Aircraft was performed in accordance with current regulations of the Federal
Aviation Administration and was determined to be in an airworthy condition and is approved for return to service for
work performed. Pertinent details of the maintenance are on file at this Repair Station under the Work Order Number
stated above. A copy of this work order has been given to the operator.*

INSPECTOR:  Jeremy R. Michaels

DATE: 3 APR 2015

AIRFRAME RECORD
ENTRY

Registration	N82605
Model No.	PA31P
Serial No.	31P-7730010

Cutter Aviation San Antonio, Inc.
367 Sandau Rd.
San Antonio, Texas 78216
FAA Repair Station No. U7TR491Y
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1886
Total Time	--
Landings	--

Page 1 of 1

1. REINSTALLED LEFT ENGINE M/N TIGO-541E1A, S/N RL-560-62 AND RIGHT ENGINE M/N TIGO-541E1A, S/N RL-7462. SEE ENGINE LOG ENTRIES FOR DETAILS.
2. REINSTALLED RIGHT TACH GENERATOR P/N H60-050, S/N 64490 AFTER OVERHAUL BY NAVAJO ACCESSORIES CRS# BU2R729K UNDER WO# 80244. REFERENCE THEIR 8130-3 FORM DATED 3/24/2015. OPS CHECKED AND LEAK CHECKED GOOD. REFERENCE PA31P MM SECTION V.
3. INSTALLED NEW SEALS IN NOSE STRUT AND LEFT AND RIGHT MAIN GEAR STRUTS. SERVICED STRUTS WITH 5606 FLUID AND NITROGEN. LEAK CHECKED GOOD. REFERENCE PA31P MM SECTIONS II AND VII.
4. INSTALLED NEW CUSTOMER SUPPLIED NOSE TIRE P/N 606C86-6, S/N 41582187 AND TUBE P/N 451-73. REFERENCE PA31P MM SECTION VII.
5. INSTALLED NEW LEFT AND RIGHT BRAKE DISCS P/N 164-07700. REASSEMBLED BRAKES USING ALL NEW LININGS P/N 066-06800 AND THREE NEW INSULATOR SHIMS P/N 068-03000. OPS CHECKED GOOD. REFERENCE CLEVELAND AWBCMM0001-13/USA.
6. INSTALLED NEW DOOR HANDLE ROLLER P/N 762-583. CLEANED AND LUBRICATED DOOR LATCHING MECHANISM. OPS CHECKED GOOD. REFERENCE PA31P MM SECTION IV.
7. INSTALLED NEW LEFT PROPELLER DEICE BRUSHES P/N'S 3E1443-1 (2) AND 3E1443-2 (1). INSTALLED NEW RIGHT DEICE BRUSH MODULES P/N'S 3E2011-1, 3E2011-2 AND 3E2011-3. PROPELLER DEICE SYSTEM NOT FUNCTIONALLY TESTED AT THIS TIME DUE TO MM REQUIREMENT TO RUN-IN BRUSHES FOR TWO HOURS BEFORE SYSTEM OPERATION. REFERENCE PA31P MM SECTION XIV.

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-3241**

Date: 6/19/2015

Authorized Signature: 

Rick Kurland

[illegible]

2
D.



McGregor Executive Airport, McGregor TX 76657

Reg. #: N82605 Date: 1-8-16 Work Order #: 16-0003
Make: Piper Model: PA-31P Serial #: 31P-7730010 Hobbs: 1969.6

Removed and replaced heater assembly with overhauled unit P/N 47D65-3 S/N 11691318 (see FAA form 8130-3 tracking number 50600 dated 24 Nov. 2015), combustion blower with overhauled unit P/N 89D22-2 NSN (see FAA form 8130-3 tracking number 50600B dated 24 Nov. 2015) and blower motor with overhauled unit P/N M4941R-6A1 S/N 327 (see FAA form 8130-3 tracking number 010516 dated 5 Jan. 2016). Performed operational check of heater system and found carpet in cabin obstructing heater vents. Trimmed cabin carpet as required to clear heater vents. OPS check good. Heater changed at Heater HOBBS 803.7 hrs. All work accomplished IAW Piper PA-31P AMM P/N 753-770 Rev IR980715.

The aircraft or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations, and found to be airworthy with the respect to the work performed.

Carl Farris A&P

MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas

01-22-16 N82605, Piper PA31P, SN 7730010

Hobbs: 1980.7 hrs

Replaced cabin door seal with new PN 486-393. Reweighed aircraft with fuel removed using load cells at wing jack points and at tail tie down. Replaced left engine wastegate (Kelly/Hartzell) PN 470818-9005, SN XJO17879 with overhauled unit from Main Turbo Systems, their WO# 49616. Replaced left engine turbo to tail pipe clamp with new PN NH1005798-10. Replaced surface de-ice timer with new PN B-00325-1. Removed and reinstalled right engine starter adapter after installing new seal. Replaced cabin door seal pressure switch with new PN 487-984. Replaced left and right cowl flap potentiometer (C/F). See Weight and Balance revised this date. Empty weight is 5704 pounds. New empty weight center of gravity is 126.07 inches. New useful load is 2096 pounds.

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas 03-05-16 N82605, Piper PA31P, SN 7730010 Hobbs: 1984.2 hrs ACTT: 1100.1 + 1984.2 = 3084.3 hrs Heater Hobbs: 803.70" Jacked aircraft, greased landing gear zerks, performed landing gear retraction and extension checks. ELT inspected and tested as per 91.207(d). ELT battery replaced, PN BP1-26. ELT battery to be replaced by Feb. 2018. Removed and reinstalled oxygen bottle PN 49 cu ft, SN 75956S/4950 after inspection and hydrostatic test performed by Aerospace Turbine Rotables Inc, their WO# 85243. Serviced bottle with aviators breathing oxygen, next hydro check due 03-2021. Replaced cabin heater hobbs meter with new Datcon PN 100690/873. Heater has approximately 2.0 hrs TIS since heater was overhauled 01-08-16. AD#04-21-05 dated 11-19-04 due upon accumulation of 500 hours TIS of heater due by Heater Hobbs time of 498.0 hrs. Replaced all fuel cap 'rings with new PN MS29513-338. Replaced rivets as needed bottom side of flap. C/W AD#82-27-13R1 dated 08-18-83 by inspection of flap transmissions for excessive wear, due every 100 hours, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs. C/W AD#03-24-07 dated 02-09-04 by inspection of rudder tube corrosion, none noted, due every 12 calendar months, next due by 04-01-17. C/W AD#04-25-16R1 dated 06-20*05 by inspection for fuel leakage of the heater fuel regulator shut-off valve, no leakage noted, due every 100 hours or 12 months, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs or 04-01-17, whichever occurs first. C/W AD#09-13-06R1 dated 11-03-11 Part (f)(2) by inspection and lubrication of the nose baggage door components, due every 100 hrs, next due by Hobbs 2084.2 hrs or ACTT 3184.3 hrs. C/W AD#14-23-03 dated 12-18-14 by visual inspection of Lycoming and Piper exhaust system parts on both engines, no defects noted due every 60 hours or 6 months, next due by Hobbs 2044.0 hrs or ACTT 3144.3 hrs or by 09-05-16, whichever occurs first. I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was approved for return to service in an airworthy condition. M. J. [Signature] [Redacted]

MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas

04-11-16 N82605, Piper PA31P, SN 7730010

Hobbs: 1987.8 hrs

Replaced up and down flap limit switches with new PN 602-509. Replaced pilot's instrument panel light dimmer assembly from Piper PN456-731, SN 80M02613.

airs and Alfo
Certificate No
other specific

AHR AVIATION

AHR AVIATION CRS#CF2R740R
SAN ANTONIO INTERNATIONAL A/P
(Airframe Entry) PG.1

AHR AVIATION

N82605

SN: 31P-7730010

WO#: 40633

Hobbs: 2039

PERFORMED THE FOLLOWING:

- Removed and replaced left cowl flap motor assembly part number 475-194
- Removed and replaced left cowl flap transmission assembly part number 47135-02 with plug MS3106A10SL3S. Rewired from firewall to pot 481-178.
- Installed a new tail pipe on RH exhaust part number 48788-05 and 46323-05.

All maintenance performed on this (Airframe, Engine, Propeller, Component) was performed in accordance with current regulations of the Federal Aviation Administration and was determined to be in an airworthy condition and is approved for return to service for work performed. Pertinent details of the maintenance are on file at this Repair Station under the Work Order Number stated above. A copy of this work order has been given to the operator.

INSPECTOR: Jose Talamantes

DATE: 07/12/2

AHR Avia
567 Sanda
San Antonio, TX 78
Tel: (210) 377-3

Propeller Record General Information

Left

Propeller Manufacturer Hartzell

Model HC-C3YN-2LUF

Type _____

Hub Series # DG-204

Blade # _____

Date of Manufacture _____

Make/Model

Serial #

Aircraft Installed On: _____

☐ HUB

South Delta Aviation

Helena-West Helena, AR 72390

870-572-9011

Year: —

N82605

right prop

Date: 2-5-15

Date:

Hobbs: 1879.9

SPOH: 163.7

TTP: unkn

Next Insp
Due:

Completed annual inspection this date: Previous records were unavailable at this time. The above times and AD compliance were computed and researched using past information from Rocket Aviation. Checked spinner and bulkhead for cracks — none found. Dressed minor nicks from blades and painted flat black. Serviced dome pressure. Operational check found to be satisfactory. See AD list in aircraft records for details of compliance.

I CERTIFY THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION.

Year: —

Michael D. Schlesselman

Date:

Next Inspection
Due:Time Since
Overhaul

Mech. Cert. # or Repair Station #

Year: —

Total Time
in Service

Description

Date:

Next Inspection
Due:Time Since
Overhaul

Mech. Cert. # or Repair Station #

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: _____ Date: _____	Total Time in Service	Description JORDAN PROPELLER SERVICE, INC. 103 East Rhapsody San Antonio, Texas 78216 Certificated Repair Station No. EK2R797K PROPELLER S/N <u>DG204</u> HAS BEEN <u>REPAIRED</u> Reference <u>Hartzell Manuals 117D Rev. 16 & 115N Rev. 21.</u> Removed Cylinder, Flushed Hydraulic Components To Remove Possible Contamination, Reinstalled Cylinder With New Seals, Set Angles and Serviced Cylinder to 41 psi.
Next Inspection Due:	Time Since Overhaul	
Year: _____ Date: _____	Total Time in Service	
Next Inspection Due:	Time Since Overhaul	
Year: _____ Date: _____	Total Time in Service	PERTINENT DETAILS ON FILE UNDER WORK ORDER NUMBER <u>17162-1</u> SIGNED <u>[Signature]</u> DATE <u>05-19-15</u> MECHANIC MAKING INSTALLATION ON A/C MUST C/W FAR 43.9
Next Inspection Due:	Time Since Overhaul	Mech. Cert. # or Repair Station # _____

☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Y
D
N
D
=

Y
D
N
D
=

Y
D
N
D
=

Year:
Date:
Next I
Due:
Year:
Date:
Next I
Due:
Year:
Date:
Next I
Due:

		 Leading the Business of Aviation		RIGHT PROPELLER RECORD ENTRY	
				Hour Meter	
				Total Time	
				PAGE 1 OF 1	
Registration	N82605	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394			
Model No.	PA-31P				
Serial No.	31P-7730010				
Prop M/N	HC-C3YN-2LUF				
Prop S/N	DG204				
1. REINSTALLED REPAIRED PROPELLER P/N HC-C3YN-2LUF, S/N DG204 PER PA-31P MM 8-16. PERFECT GROUND RUN AND LEAK CHECK WITH SATISFACTORY RESULTS. REFERENCE JORDAN PROPELLER SERVICE, INC (CRS-EK2R797K) 8130-3 AND LOG ENTRY DATED 05-19-2015 UNDER WO# 17162-1.					
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Aviation Administration and is approved for return to service for the work performed. All disrupted systems were retested functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station. Work Order: 11M-3241					
Date:	06/19/2015	Authorized Signature:		 Tom Bier	

*This entry states
Right Propeller
should be left in
visual of Prop at
Annual.*

Year:	Total Time in Service	Description

Due

Dress leading edges of propeller blades and painted backs of blades flat black. Replaced low pitch stop with new PN 756-293 and serviced dome air pressure to 40 PSI.

I certify that this propeller has been inspected in accordance with an
100 Hour/ANNUAL inspection and was approved for return to service in
 an airworthy condition _____

THESE RESULTS WERE REPRODUCED IN A RECENT STUDY BY

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Seller Record General Information

Seller Manufacturer Hartzell

Right

Model HC-C3YN-2LUF

Type

Series # DG-164

Blade #

of Manufacture

Make/Model

Serial #

Installed On:

☐ HUI

South Delta Aviation

Helena-West Helena, AR 72390

870-572-9011

Year: _____

N82605

left prop

Date: 2-5-15

Date: _____

Hobbs: 1879.9

SPOH: 163.7

TTP: unkn

Next Ins:
Due: _____

Completed annual inspection this date: Previous records were unavailable at this time. The above times and AD compliance were computed and researched using past information from Rocket Aviation. Checked spinner and bulkhead for cracks - none found. Dressed minor nicks from blades and painted flat black. Serviced dome pressure. Operational check found to be satisfactory. See AD list in aircraft records for details of compliance.

I CERTIFY THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AN AIR WORTHY CONDITION.

Year: _____

Michael D. Schlesselman

Date: _____

Next Inspection
Due: _____

Time Since
Overhaul _____

Mech. Cert. # or Repair Station # _____

Year: _____

Total Time
In Service _____

Description

Date: _____

Next Inspection
Due: _____

Time Since
Overhaul _____

Mech. Cert. # or Repair Station # _____

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: _____ Date: _____	Total Time In Service	Description JORDAN PROPELLER SERVICE, INC. 103 East Rhapsody San Antonio, Texas 78216 Certificated Repair Station No. EK2R797K PROPELLER S/N <u>DG164</u> HAS BEEN <u>REPAIRED</u> Reference <u>Hartzell Manuals 117D Rev. 16 & 115N Rev. 21.</u> <u>Removed Cylinder, Flushed Hydraulic Components To Remove Possible Contamination,</u> <u>Reinstalled Cylinder With New Seals, Set Angles and Serviced Cylinder to 41 psi.</u> PERTINENT DETAILS ON FILE UNDER WORK ORDER NUMBER <u>17162</u> SIGNED <u>[Signature]</u> <u>[Signature]</u> <u>05-19-15</u> MECHANIC MAKING INSTALLATION ON A/C MUST C/W FAR 43.9
Next Inspection Due:	Time Since Overhaul	
Year: _____ Date: _____	Total Time In Service	
Next Inspection Due:	Time Since Overhaul	
Year: _____ Date: _____	Total Time In Service	
Next Inspection Due:	Time Since Overhaul	
Mech. Cert. # or Repair Station # _____		

☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year:

Date:

Next I
Due:

Piper

CUTTER
Leading the Business of Aviation

LEFT PROPELLER
RECORD ENTRY

Registration N82605

Model No. PA-31P

Serial No. 31P-7730010

Prop M/N HC-C3YN-2LUF

Prop S/N DG164

Cutter Aviation San Antonio, Inc.
367 Sandau Rd.

San Antonio, Texas 78216

FAA Repair Station No. U7TR491Y

Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter 1886.4

Total Time --

PAGE 1 OF 1

Year:

Date:

Next I
Due:

1. REINSTALLED REPAIRED PROPELLER P/N HC-C3YN-2LUF, S/N DG164 PER PA-31P MM 8-16. PERFORMED GROUND RUN AND LEAK CHECK WITH SATISFACTORY RESULTS. REFERENCE JORDAN PROPELLER SERVICE, INC (CRS-EK2R797K) 8130-3 AND LOG ENTRY DATED 05-19-2015 UNDER WO# 17162.

Year:

Date:

Next I
Due:

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-3241

Date: 06/19/2015

Authorized Signature:

Bierschwale

This Entry stating
Left Propeller should
be Right by Visual
of Prop at Annual

Year: _____	Total Time in Service	Description
Date: _____	MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas	
Next	03-05-16 N82605, Piper PA31P, SN 7730010	
Due:	RH Propeller: Hartzell HC-C3YN-2LUF, SN 164	
	Hobbs: 1984.2 hrs Prop Total Time: Unknown TSO: 268.0 hrs	
	Dress leading edges of propeller blades and painted backs of blades flat black. Replaced low pitch stop with new PN 756-293	
	and serviced dome air pressure to 40 PSI. Replaced RH inboard prop brush with new PN RA2111U	
Year: _____	I certify that this propeller has been inspected in accordance with an	
Date: _____	100 Hour/ANNUAL inspection and was approved for return to service in	
Next	[REDACTED]	
Due:	[REDACTED]	

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due:	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Prop

N82605

Propeller Record General Information

Right

Propeller Manufacturer Hartzell

Model HC-C3YN-2LUF

Type _____

Hub Series # DG-164

Blade # _____

Date of Manufacture _____

Make/Model

Serial #

Aircraft Installed On:

50495



DROP

Propeller Record General Information

Propeller Manufacturer Hartzell

Left

Model HC-C3YN-2LUF

Type _____

Hub Series # DG-204

Blade # _____

Date of Manufacture _____

Make/Model

Serial #

Aircraft Installed On: _____

27-418-6



50495



74186

Aircraft Record General Information

N 82605

Manufacturer Piper

Model PA-31P

Serial 31P-7730010

Registration Number N82605

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer Lycoming

Model T140-541-E1A Serial RL-560-62

Manufacturer Lycoming

Model T140-541-E1A Serial RL-748-62

Propeller(s) currently installed:

Manufacturer Hartzell

Model HC-C3YN-2LUF

HUB Model _____

Serial DA-164

Serial DA-204

Blade Model _____

Serial _____

Serial _____

Serial _____

Blade Model _____

Serial _____

Serial _____

Serial _____

ENGINES

Engine Record General Information

ENG.

Right

Manufacturer Lycoming

Model T160-541-E1A

Serial RL-748-62

Type Certificate E17EA

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

Engine Record General Information

ENC.

Left

Manufacturer Lycoming

Model TI40-541-E1A

Serial RL-560-62

Type Certificate E19EA

This engine is currently installed in aircraft: N82605

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

51295

Engine Record General Information

Right

Manufacturer Lycoming Model T160-541-E1A
Serial RL-748-62 Type Certificate E17EA

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alter Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific e
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South Delta Aviation	Helena-West Helena, AR 72390	870-572-9011
N82605		Date: 9-1
Hobbs: 1879.7		
Removed starter from right engine, reinstalled starter s/n 9031448 after overhaul by Aircraft Accessories of Oklahoma. Operational check found to be satisfactory.		

[REDACTED]

South Delta Aviation	Helena-West Helena, AR 72390	870-572-9011
N82605	right engine	Date: 2-5-15
Hobbs: 1879.9	SMOH: 818.0	TTE: 1879.9
Completed annual inspection this date: Previous records were unavailable at this time. The above times and AD compliance were computed and researched using past information from Rocket Aviation. Compression test results are - 1=72, 2=70, 3=72, 4=68, 5=70, 6=70. Changed oil and filter. Cut filter, and cleaned pick-up screen - no metal found. Serviced with Aeroshell W100PLUS. Serviced all spark plugs. Checked lines, hoses, mounts and controls. Tightened all rocker screws. Ground run up found to be satisfactory - no leaks noted. See AD list in aircraft records for details of compliance.		
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION.		

[REDACTED]

[illegible]

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

		 Leading the Business of Aviation		RIGHT ENGINE RECORD ENTRY	
Registration	N82605	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	1886.4
Model No.	PA-31P			Total Time	--
Serial No.	31P-7730010				
Engine M/N	TIGO-541E1A				
Engine S/N	RL-748-62			PAGE 1 OF 1	

1. REINSTALLED THIS ENGINE M/N TIGO-541E1A, S/N RL-748-62 AFTER CUSTOMER ARRANGED REPAIR. WORK PERFORMED PER PA-31P MM SECTION 8-30. PERFORMED GROUND RUN AND LEAK CHECK WITH SATISFACTORY RESULTS. REFERENCE MIDWEST AIRCRAFT SERVICES, INC. LOG ENTRY DATED 05-12-2015.
2. REINSTALLED OVERHAULED TURBOCHARGER P/N LW-13234, S/N JJR0106 PER LYCOMING INTEGRAL ACCESSORY DRIVE ENGINES MANUAL SECTION 5 AND PA-31P MM 8-35. INSTALLED NEW OIL INLET ADAPTER P/N LW14465 DURING INSTALLATION. OPS AND LEAK CHECK GOOD. REFERENCE QUALITY AIRCRAFT ACCESSORIES INC. (CRS-QYIR334Y) 8130-3 DATED 06-10-2015 UNDER WO#005155.

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-3241

Date:	06/19/2015	Authorized Signature:		Richard Kurland
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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Piper		>>CUTTER>> Leading the Business of Aviation	RIGHT ENGINE RECORD ENTRY	
Registration	N82605	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394	Hour Meter	1897.4
Model No.	PA-31P		Total Time	—
Serial No.	31P-7730010			
Engine M/N	TIGO-541E1A			
Engine S/N	RL-748-62		PAGE 1 OF 1	
1. ADJUSTED OIL PRESURE TO 85 PSI PER PA-31P MM 8-80.				
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-3403				
Date:	07/07/2015	Authorized Signature:	Richard Kurland	

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
11/27/15	N82605	Hobbs: 1965.4	PA31P, S/N: 7730010	R/H engine: Lycoming TIGO-541-EIA, s/n: RL-748-62 Installed O/H pneumatic pump p/n: 842CWRX, s/n: en-22367 Replaced pump filters with new p/n; RA154-6 and p/n; 554-777 , Drain oil and cleaned screens, replaced oil filter with new p/n: CH48104-1 and service with Exxon Elite SAE 20w/50 and 1 and 1/2 pints. I found it safe to return to service only on the work performed [Signature] I/A Miguel H. Flores 4 [Redacted]
MIDWEST AIRCRAFT SERVICES, INC. - Newton City-County Airport - Newton Kansas 01-22-16 N82605, Piper PA31P, S/N 7730010 RH Engine Lycoming TIGO-541-E1A, S/N RL-748-62 Hobbs: 1980.7 hrs Removed and reinstalled engine starter adapter after installing new seal [Redacted Signature] [Redacted]				

[illegible]