

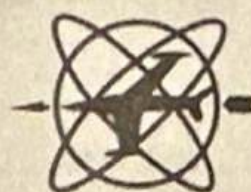
The Standard

AIRCRAFT LOG

ASA-SA-1

N8031Y

N8031Y Log #3



The Standard

AIRCRAFT LOG

WINDSOCK
Aviation & Pilot Supplies
3930 Campus Drive
Newport Beach, CA 92660
(949) 263-1534

ASA-SA-1

Aircraft Record General Information

Manufacturer PIPER Model PA30B - TWIN COMANCHE
Serial PA30-1140 Registration Number N8031Y

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer LYCOMING Model IO-320-G1A (LEFT) Serial _____

Manufacturer LYCOMING Model IO-320-G1A (RIGHT) Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____

HUB Model _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Blade Model _____ Serial _____ Serial _____ Serial _____

Registered Owner Record

Name SHELDON O. BREED FAMILY RECOVERABLE TRUST Address 6 BLACKS MILE RD, PHILLIPS RAPIDS, IA
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

Name _____ Address _____
City _____ State _____ From _____ To _____

THIS LOGBOOK FOLLOWS FROM LOGBOOK ENTRY OF 06-14-02 TT=3965.84 LT=1944.64

YEAR: 2002 DATE	RECORDING TACH TIME LEFT TACH	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.)
30 SEPT	1993.17	Ø	3965.84	Lubricated Landing Gear Aeroshell #5 grease S.O. Buehler ATP 765145
30 JAN 03	2017.58	Ø	4044.78	ENTRY FOR SBD TAY QUESTANOR
6-10-03	2039.6		4066.78	LUBRICATED CONTROLS AND LANDING GEARS WITH LPS-2 ON ALL HINGES AND BELLCRANKS AND #5 AEROSHELL GREASE FOR LANDING GEAR AND LUBRIPLATE AERO ON ALL JACKSCREWS REPLACED GYRO CENTRAL AIR FILTER AND VACUUM REGULATOR FILTERS. S.O. Buehler ATP 765145 ECNA

YEAR: 2003 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.)
6-13				Jacked AIRCRAFT. checked TIRES + BRAKES. Lubed
L	2039.6			LANDING GEAR. checked GEAR RETRACTION A.D. 77-13-21
R	2033.1		4066.78	A-Due L-2890 b. due 6/05 or 2443. INSP Ailerons per
				A.D. 79-20-10. checked Fuel Filters A.D. 77-12-08(b) + A.D. 83-10-01
				INSP REAR bulkhead A.D. 74-16-08. INSP Turbine A.D. 94-13-10
				ELT battery Due June 2004. Tested per FAR 91.207d + passed
				ALL TESTS.
				Replaced
				AIRCRAFT battery
				RG35AXC

Annual Inspection Completed
This Date 6-13-2003 At L. 2039.6 Hours.

I Certify That This Aircraft/Engine
Has Been Inspected IAW
An Annual Inspection And Was
Determined To Be In An
Airworthy Condition

Mike Passwater AP1758050AI

[Signature]

AIRCRAFT INSPECTION & MAINTENANCE

DATE 06-24-03 MODEL B2030
 HTR HOBBS 688.5 A/C HOBBS 2040.45
 S/N AIM-4/0-5220 P/N Tach

PRESSURE DECAY TEST ☒

C/W AD 96-20-07 NOTE 3 (A) (1.) & (2.)

~~COMPLETE OVERHAUL AND BENCH TEST PER~~

~~MANUFACTURER SPECIFICATIONS.~~ ☐

WORK ORDER NUMBER W/O

LOUIE RIGO Louis E Rigo 1086679 A&E

Date: 06-24-03 N# 80314

C/W A.D. Note 2001-17-13

Fuel Pressure Regulator and
 Shut Off Valve Pressure Check

Per A.D. and Jan Aero Bulletin A107

Valve Dated 06-03

Louis E. Rigo L E Rigo A & E 1086679

irs and Alterations

Certificate Number of Technician or Repair
)

YEAR 2003 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.)
7-22	2050.6			JACKED AIRCRAFT. REPLACED LEFT + RIGHT MAIN LANDING GEAR OUTER DRAG LINK. ASSY. P/N 25046-000 ^{LINK.} + 452-391 ^{BALL JOINT.} CHECKED GEAR RETRACTION. M. P. Rosenthal AP 1758050.
10-05	Lt = 1105.3			JACKED AIRCRAFT. REPLACED RIGHT MAID LANDING GEAR. MAID GEAR P/N 22512-06 AND BUSHINGS W/ 20737-013 AND-014 REPLACED LEFT FLAP SPRING P/N 83302-40 AND ALL LEFT FLAP NYLON ROLLERS 485-184. LUBRICATED LANDING GEAR M. P. Rosenthal AP 1758050.

YEAR: 9003/04 DATE	RECORDING TACH TIME 1.610	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.)
11-21	2121.67		4148.85	REPLACED BRAKE PADS LEFT AND RIGHT MAIN BEAR SQ. Boring TC5145 ARP
1-12-04				I CERTIFY THE ALTIMETER, STATIC SYSTEM, PRESSURE ALTITUDE REPORTING SYSTEM, AND TRANSPONDER HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH FAR 91.411 APP. E AND FAR 91.413, APP. F OF PART 43. ALTIMETER TESTED TO: 20,000 FT. DATE: 1-12-04 SIGNATURE: RF [Signature] SKY WEST INSTRUMENTS FAA REP. (909) 985-5718 STA. # AK4R053M CABLE AIRPORT UPLAND, CA 91786

YEAR: 2004	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.)
DATE 1/20/04				Removed O ² bottle assy for certification. Re-calculated w/b. R. Clark CRS N2YR845Y

MODEL Piper Twin Comanche
 S/N 30-1140
 REG. NO. N8031Y



1805-D McKinley Ave. La Verne, CA 91750

FAA REPAIR STATION N2YR845Y

AIRFRAME LOGBOOK INSERT

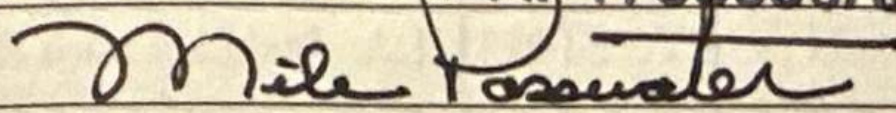
DATE 03/04/04
 W.O.# 3620
 HOBBS n/a
 TACH 2146.52
 HEATER n/a

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNED R. Clark R. Clark for CRS N2YR845Y DATE 03/04/04

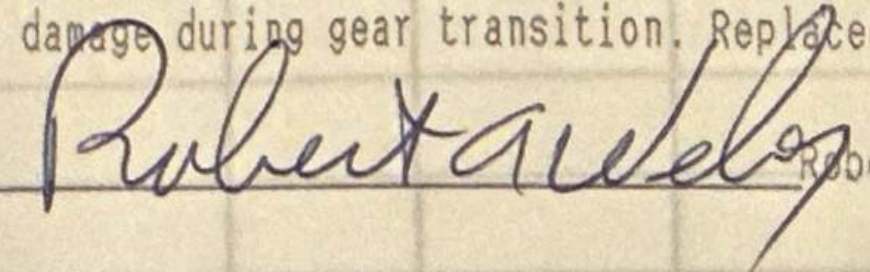
Removed oxygen cylinder assembly for 5 year hydro static test and valve overhaul by Avox under wo 2921 Serviced with aviators oxygen. Re-installed in A/C.

YEAR: 2004 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.)
6-5. ^L	2164.4		4191.5	JACKED AIRCRAFT, Replaced LEFT + RIGHT MAIN
R	2157.4			TIRES, L+R brake discs, New brake pads. Replaced
				O Ring in RIGHT brake cyl + serviced brake system.
				Lubed Landing gear + checked gear RETRACTION
				Replaced bungie cords per A.D. 77-13-21(b) next
				due @ 2664. PART A due 2890. INSP Ailerons per A.D.
				79-20-10. checked Fuel Filters per A.D. 79-12-08(b) +
				83-10-01. INSP REAR bulkhead per A.D. 74-16-08. INSP
				Torque Tube per A.D. 94-13-10. Replaced ELT battery.
				new date July, 2006. Tested per FAR 91.207d +
				PASSED ALL TESTS. Replaced RIGHT center flap
				ROLLER. Replaced LEFT + RIGHT. VAC REG FILTERS.

YEAR: <u>2004</u> 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.)
<u>6-5</u>	<u>2164.4</u>			Annual Inspection Completed This Date <u>6-5-2004</u> At <u>2164.4</u> Hours. I Certify That This Aircraft/Engine Has Been inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AT 
<u>R</u>	<u>2157.4.</u>			
		<u>A.D. 97-01-01 Flw by Insp</u>		
		<u>ON LEFT-RIGHT M.L.G. STUDS.</u>		
		<u>on Passwater AP1758050.</u>		

LEFT

08-12-04 AIRFRAME N8031Y, TACH TIME: 2198.02. Jacked aircraft and adjusted limits & travel for gear and gear doors per PA30 service manual. Secured wire harness in main gear wheel wells to prevent damage during gear transition. Replaced rubber rudder seal.

Signed  Robert A. Weber AP2001550. (WEBCO AIRCRAFT CO.)

YEAR: 2004 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.)
8-28	L=2204.74		4231.84	LUBRICATED LANDING GEAR, CLEANED STRUTS, ADDED NOSE GEAR TURN LIMITS DECALS Holden & Breen ATP 65145

11/12/04
WO #5172

Tach 2247.92 Hours (LE)
TT 2247.92 Hrs.

N8031Y
PA-30T

Modified defrost control wire & reconnected to defrost control handle; lubed control wire & flapper valve to provide smooth operation. Installed new instrument panel per STC SA00160SE. Installed Ashby Glare shield per STC ST01327LA. Installed pilot & co-pilot shoulder harnesses per STC SA00484WI; updated Weight & Balance data (see Form 337 for details). Removed & replaced center overhead console.

SPORTSMAN AIRPARK, INC. - Newberg, Oregon

FAA Approved Repair Station No. F06R542N

I certify that this Aircraft is approved for return to service.

Signature Robert Lind, Chief Inspector

DATE _____

Removed the following: Collins VHF 250, VIR 350, IND 351A; Narco UAT-1, UDA-1, DME 190; 52D54 DG; Garmin GPS 100; 1C-388 Radio Coupler, factory amp gauge. ~~REMOVED~~

Installed the following: Garmin GNS 480 GPS WAAS Navigator; 3 inch NSD 360A (Slaved) HSI: Trans-Cal Model SSD 120-30A-RS 232; 1C388-2 Radio Coupler; Electronics International VA-1A-50.
See 337 this date.

Mike Witte A&P 485 52 4735

485 52 4755
MIL with

YEAR: <u>2004</u> 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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TVA AVIONICS CRS T6VR936N TVA AVIONICS CRS T6VR936N

I CERTIFY THAT THE ALTIMETER AND
STATIC SYSTEMS TEST REQUIRED BY FAR
PART 91.411 HAS BEEN PERFORMED IN
ACCORDANCE WITH FAR 43 APPENDIX E.

ALTIMETERS TESTED TO 25,000 FEET

	ALTIMETER	ENCODER	STATIC
#1	☒	☒	☒
#2	☐	☐	☐

W.O. 3276 DATE 11/11/07

SIGNED Yatumba A Wes

I CERTIFY THAT THE TRANSPONDER AND
ENCODER SYSTEMS TEST REQUIRED BY
FAR PART 91.413 HAS BEEN PERFORMED IN
ACCORDANCE WITH FAR 43 APPENDIX F.

	XPDR MAKE/MODEL	ENC. MAKE/MODEL
SYSTEM 1	<u>collins TDR950</u>	<u>KLAL P120PAT</u>
SYSTEM 2	<u> </u>	<u> </u>

W.O. 3276 DATE 11/11/07

SIGNED Yatumba A Wes

YEAR: 2004 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.)
11/24/04	WO #5172			Tach 2248.92 Hours (LE) TT 2248.92 Hrs. N8031Y PA-30T
Removed Sharc 7 ELT; installed Ameri-King AK-450 ELT (s/n 474169) and new batteries – battery outdate is 03/'11; no change to Weight & Balance. SPORTSMAN AIRPARK, INC. – Newberg, Oregon FAA Approved Repair Station No. F06R542N I certify that this Aircraft is approved for return to service. Signature <u>Robert L. L...</u> , Chief Inspector				
12-13	Lt = 2351.0		4278.1	Lubricated landing gear. Sheldon O'Brien ATP 765145
6-8-06	Lt = 2312.6		4340	REPLACED LEFT VOLTAGE REGULATOR WITH UNIT # F013728

YEAR: <u>2005</u> 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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MAKE: Piper
MODEL: PA-30
S/N: 30-1140
REG. NO: 8031Y
WORK ORDER:
15195-02-2005



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 3/16/2005
A/C TSN:
TACH:

Airframe Entries

Removed both of the existing com antenna's and replaced them with new ones. Performed system ops test. System checks good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 15195-02-2005.

DATE: 3/16/2005

SIGNED:

Bob Howard

Work Order: 15195-02-2005

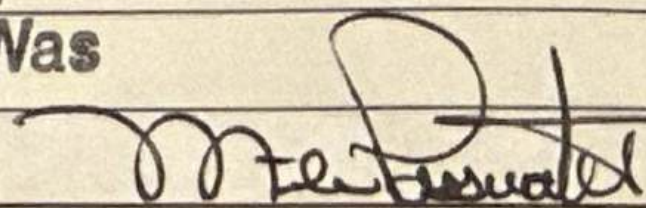
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YEAR: 2005 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-3 L	2312.9			JACKED AIRCRAFT, Repaired LEFT + RIGHT brake
R	2305.8		4,340.0	pnds. Lubed Gear + checked gear RETRACTION
				A.D. 77-13-21 a due 2890 b due 2664 on 6/07. Insp Ailerons
				per A.D. 79-20-10. checked Fuel filters per A.D. 79-12-08(b)
				+ A.D. 83-10-01. Insp REAR bulkhead per A.D. 74-16-08. Insp
				Torque Tube per A.D. 94-13-10. ELT battery due 6/06 For Tests.
				battery date 3/2011. checked per FAR 91.207d & PASSED ALL

Annual Inspection Completed
This Date 6-3-2005 At 2312.9 Hours.

I Certify That This Aircraft/Engine
Has Been inspected IAW
An Annual Inspection And Was
Determined To Be In An
Airworthy Condition



Mike Passwater AP1758050AI

YEAR: <u>2005</u> 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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MODEL	Piper Twin Comanche
S/N	30-1140
REG. NO.	N8031Y



1805-D McKinley Ave. La Verne, CA 91750
 FAA REPAIR STATION N2YR845Y

DATE	06/15/05
W.O.#	4050
HOBBS	n/a
TACH ⁴ / ₁₀₀ HRS	4340.0
HEATER	778.3

AIRFRAME LOGBOOK INSERT

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNED R. Clark *R. Clark* for CRS N2YR845Y DATE 06/15/05

1. Performed 24mo. heater decay test in accordance with AD2004-21-05. Due again 878.3 HH or 06/15/07.
2. Replaced pressure switch and adjusted as per Kelly maint manual.
3. Complied with AD2004-25-16 by inspection and adjustment of fuel regulator valve. Due again 4440.0 tach

YEAR: 2005 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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MAKE: Piper
MODEL: PA-30
S/N: 30-1140
REG. NO: 8031Y
WORK ORDER:
15658-07-2005



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 8/16/2005

A/C TSN:

TACH: 2348.36

Avionics Entries

Installed a Garmin GDL 69 XM Weather Unit S/N 47702326 I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 15658-07-2005.

DATE: 8/16/2005

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 15658-07-2005

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YEAR: 2005 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.)
2 Nov	LT=2378.98		4406.06	REPLACED RINGS IN LEFT MASTER BRAKE CYL, BLEED BRAKE SYSTEM Mike Passwater AIP 1758050.
2-13-06	LT=2399.92		4427.0	LUBRICATED LANDING GEAR MULLER BUSH AT 2365145
5-23-06	LT=2419.04		4446.12	REPLACED VACUUM REGULATOR CARTER FILTERS, LUBRICATED ALL WORM GEAR TIGHT CONTROLS, LUBRICATED AILERON, FLAP AND FLAP CONTROL ROBEINDS AND PIVOTS.
2006.				Annual inspection Completed This Date <u>6-22-2006</u> At <u>L-2419.0</u> Hours I Certify That This Aircraft/Engine Has Been inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AIP1758050AI
6-22 L	2419.0		4446.1	
R	2411.0.			

Mike Passwater

YEAR 2006 DATE 6-22	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.)
L	2419.0		4446.1	JACKED AIRCRAFT, Replaced Left & RIGHT brake
R	2411.0			pads - Lubed gear & checked gear RETRACTION
				RIGHT Aux boost pump Removed for OVERHAUL by
				RAPCO Fleet Support. W.O. 41223 6-16-06. ReINSTALLED
				AFTER ^o /N. Heater Removed for OVERHAUL by
				AIRCRAFT HEATING W.O. 12164 5-25-06. ReINSTALLED
				AFTER ^o /N. A.D. 2004-21-05 c/w @ ^o /H. Hobbs. 798.0
				A.D. 77-13-21 a due 2890 b due 2664 or ^o /OT. Inspected
				A.D. 79-20-10, A.D. 79-12-08(b) + A.D. 83-10-01. A.D. 74-16-08
				A.D. 94-13-10, NX due @ 2519. ELT. due ^o /OZ. Tested
				per FAR 91.207d + PASSED ALL TESTS. battery 3/2011
				STAMP ON PREVIOUS PAGE Note Recreated AP1758050AI

[illegible]

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DA	12-15-06	N8031Y		Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries) TTAF: 2479.1 4506.16 <i>Lo, Buerin ATP 165145</i>

Removed and replaced LH spinner after repair by K & K Precision Welding ref. WO# 1599 for repair approval. Reinstalled engine mounts after repair using new hardware. Removed LH engine P/N 10-320-CIA S/N L-4370-55A and installed overhauled P/N 10330-CIA S/N L-4370-55A by Performance Engines WO# 5993 on aircraft S/N 30-1140. Repaired minor crack on air filter box. Repaired minor crack on firewall, fabricated patch plate behind firewall, and sealed patch to panel. Installed new generator drive belt P/N S-7013. Reinstalled gen. P/N 101915 S/N 50A9138 see Performance Engines WO# 5993. Removed and replaced air filter P/N BA-27. Installed new throttle cable P/N 454-219 S/N 4Q20. Rigged throttle cable to engine. Repaired shield on generator wire. Removed VAC pump P/N 211CC S/N 84274 and replaced with serviceable unit P/N 211CC S/N 125576. Cleaned and lube waste gate cable. Accomplished gear retraction and inspection. Re-torque LH nose gear retract arm bolt and cotter pinned. Reinstalled heat shield on engine mount. I CERTIFY, WITH RESPECT TO THE WORK PERFORMED, THAT THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE (INVOICE# 4271M, 4272M)(WO# M763)

Lo, Buerin
CRS# AYTR297X

Aviation Technology Louisville
1141 Standiford Ave.
Louisville, KY 40213

YEAR: <u>2006</u> 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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I certify that the Altimeter (s) were tested and inspected as per 91.411 IAW Part 43, Appendix E, Paragraph B, by Jeff Reiser to 20,000 feet
 Lt Alt. S/n AF45-4135
 Rt Alt. S/n N/A

Signature [Signature] Date 12-18-06

Aviation Technology Inc.
 1141 Standiford Ave
 Louisville Ky 40213
 CRS# AYTR297X

I certify that the static pressure system (s) were tested and inspected as per 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature [Signature] Date 12-18-06

Aviation Technology Inc.
 1141 Standiford Ave
 Louisville Ky 40213
 CRS# AYTR297X

YEAR 2006 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.)
				I certify that the ATC transponder (s) were tested and inspected as per 91.413 IAW Part 43, Appendeix F.
				Transponder # 1 <u>464</u>
				Transponder # 2 <u>N/A</u>
				Automatic altitude reporting system tested and inspected as per Part 43, Appendix E, Paragraph C to <u>20,000</u> feet
				Signature <u>[Signature]</u> Date <u>12-18-06</u>
				Aviation Technology Inc. 1141 Standiford Ave Louisville Ky 40213 CRS# AYTR297X N8031Y
	1-15-07			TTAF: 2,480.84 <u>4507.90</u> <u>to Dr. Buech</u>

Removed RH generator and voltage regulator P/N VR300-14P-50 S/N F103924 and installed overhauled unit P/N VR300-14P-50 S/N F103919. Installed cooling shroud on LH hand fuel pump. Checked fuel servo strainer, no problems noted. OPS check good. I CERTIFY, WITH RESPECT TO THE WORK PERFORMED, THAT THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE (INVOICE# 4315M)(WO# M827)

[Signature]
CRS# AYTR297X Paul Atwell

YEAR: 2007 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.)
9 April	422809.6			Updated GNS480 DATA ON H601A CACD. Shalee G. Brum 768145 ATP

PERFORMANCE ENGINES

N8031Y remove ^{LEFT} engine. Reinstall & rig all controls. Service with 9 qts Aeroshell 15/50 oil and new oil filter. Install, torque & safety propeller. Functionally test engine and approve for return to service. Details on file under WO#6186 dated 7/20/07.

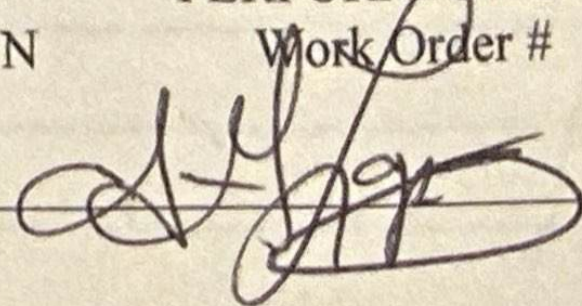
PERFORMANCE ENGINES, INC.

RS# P6ER393N

Work Order # 6186

Date 07/20/2007

Signed



2817865

YEAR 2007 DATE 7-20	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.)
L	2515.4		4542.5	JACKED AIRCRAFT. Replaced bungie cords per A.D. 77-13-21 para b. N/A due 7/2010 or 3015. Lubed gear - checked gear retraction. checked Tires & brakes
R	2508.6			RIGHT MAIN TIRE Replaced. Replaced VAC filters. Replaced L & R
LSMOH	36.3			AIR FILTERS. Replaced RIGHT TIP TANK sender. sealed L & R TIP senders.
RSMOH	864.5			cleaned & checked FUEL FILTERS A.D. 79-12-08(b) & A.D. 83-10-01.
				A.D. 79-20-10 WSP, A.D. 74-16-08, A.D. 94-13-10 W. ELT due 7/2008.
				Tested per FAR 91.207d - PASSED ALL TESTS. Inspected
				STABILATOR. Torque Tube for corrosion. cleaned & dye checked
				for cracks. Replaced CENTRAL VAC filters. Replaced RIGHT Aux /
				TIP TANK'S Suction Valve. ANNUAL Stamp on next page.
				NOTHING Follows.

YEAR 2007 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.)
7-20				Annual Inspection Completed This Date 7-20-2007 At 2515.4 Hours I Certify That This Aircraft/Engine Has Been inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>Mike Passwater</i>
L	2515.4			
R	2508.6			
2007				
9-12	9/4/07	RTG	GENERATOR	REPAIRED AUTO ACCESSORIES, VAN Nuys CA Inv # 27980
L	2520.0			Replaced NOSE STRUT SEALS + RIGHT MAIN STRUT SEALS. SERVICED w/ FLUID + NITROGEN
				Mike Passwater AP 1758050

YEAR 1007 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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MAKE: Piper
MODEL: PA-30
S/N: 30-1140
REG. NO: 8031Y
WORK ORDER:
18426-10-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/15/2007
A/C TSN:
TACH: 2526.13

Airframe Entries

Autopilot was randomly giving turns while in flight. Changed the three A/P attitude connectors, connecting the attitude gyro the rest of the A/P. Ground tested A/P, tested ok.... Complied with Garmin Software Service Bulletin No. 0702 Revision A which upgraded the GDL 69 P/N 011-00986-00 S/N 47702326 software to Version 3.10 from version 2.14.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18426-10-2007.

DATE: 10/15/2007

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 18426-10-2007

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YEAR: 2008 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.)
6-17			4605.9	JACKED AIRCRAFT, Replaced nose tire. Lubed gear
L	2578.8			checked gear RETRACTION. LEFT + RIGHT MLG studs
R	2572.9			Removed for insp by Tim's A/C ENG. + REINSTALLED per
LSMOH	99.7			A.D. 97-01-01 R1 inspected Replaced RIGHT AUX TIP TANK
RSMOH	948.6			FUEL Solenoid Kit 12570-7 STC SA 727WE. Replaced AIRCRAFT
				BATTERY. A.D. 79-12-08 C/W. A.D. 83-10-01 C/W. A.D. 79-20-10 C/W.
				A.D. 74-16-08 C/W A.D. 94-13-10 C/W. A.D. 77-13-21 b. due 7/2010 or
				3015. A.D. 77-13-21 a due. 2890. ELT due July 2008. Tested
				per FAR 91.207d + PASSED ALL TESTS. SEE ANNUAL
				ENTRY ON NEXT PAGE. Replaced RIGHT AUX FUEL
				TANK bladder from Aero Tech Services 221037ATC
				Warranty exp 5/5/2013

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.)
			Annual Inspection Completed This Date <u>6-17-08</u> At <u>2578.8</u> Hours I Certify That This Aircraft/Engine Has Been Inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI <i>Mike Passwater</i>
25 L-2578.8		4605.9	REPLACED DURACEL 'D' BATTERIES IN AEROKING MODEL AK-450 FUNCTIONALLY TESTED OK. NEXT REPLACEMENT 6/2012 <i>S.O. Brown</i> ATP165145

YEAR: 2009 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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MAKE: Piper
MODEL: PA-30
S/N: 30-1140
REG. NO: 8031Y
WORK ORDER:
19900-01-2009



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 1/21/2009

A/C TSN:

LEFT TACH: 2664.08

Airframe Entries

Complied with Garmin Software Service Bulletin No. 0850 Revision A which upgraded the GNS 480 S/N 25700713 Software from Version 2.10 to Version 2.3 and the GPS/WAAS Software from Version 1.2 to Version 3.2...Complied with Garmin Software Service Bulletin No. 0850 Revision A which replaced the A-33 Antenna P/N 590-1104 S/N 33648 with an A-33W Antenna P/N 013-00261-00 S/N 50889...Complied with Garmin Software Service Bulletin No. 0742 Revision A which upgraded the GDL 69 P/N 011-00986-00 S/N 47702326 software from Version 3.1 to Version 3.20.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 19900-01-2009.

DATE: 1/21/2009

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 19900-01-2009

Printed by EBis 3 (datcomedia.com)

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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MAKE: Piper
MODEL: PA-30
S/N: 30-1140
REG. NO: 8031Y
WORK ORDER
19942-02-2009



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/5/2009

A/C TSN:

TACH: 2664 94

Airframe Entries

The static pressure system was inspected and tested in compliance with FAR 91.411. The altimeter instrument was calibrated to an altitude of 20 thousand feet in compliance with FAR 91.411. The ATC transponder was tested and inspected in compliance with FAR 91.413. Automatic altitude reporting equipment was tested and calibrated in compliance with FAR 91.411.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 19942-02-2009.

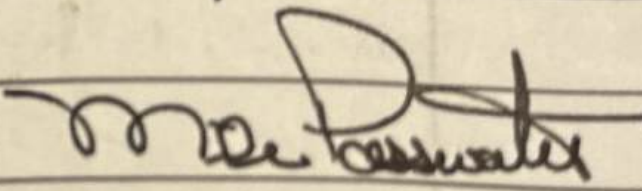
DATE: 2/5/2009

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 19942-02-2009

Printed by EBis 3 (datcomedia.com)

YEAR: 2009 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.)
3-2				JACKED AIRCRAFT. REPLACED THREE BOLTS ON TOP
L	2665.96		4693.1	OF NOSE STRUT. HOUSING ON STEERING ARM. SERVICED
				NOSE STRUT. CHECKED GEAR RETRACTION. REPLACED
				LEFT TIP TANK FUEL QUANTITY SENDER UNIT. REPLACED
				LEFT & RIGHT BRAKE PADS. GREASED NOSE WHEEL
				BEARINGS.
				 M. DeRosier A & P 1757050.
				LUBRICATED LANDING GEAR Hubbards APT 65745

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.)
2678.1		4705.27	Jacked AIRCRAFT. Replaced bungie cords per AD 77-13-21-b. NX due 7/2012 OR (L) 3178. checked gear retraction. ELT due 6/2012. Tested per FAR 91207d - PASSED ALL TESTS. A.D. 79-12-08 C/w, AD 83-10-01 C/w AD 79-20-10 C/w AD 74-16-08 C/w AD 94-13-10 C/w AD 77-13-21a due 2890. Replaced VACUUM FILTERS. Replaced flap return spring. Replaced Flap Center Roller.
2672.4			Annual Inspection Completed This Date 7-5-09 At 2678.1 Hours I Certify That This Aircraft/Engine Has Been Inspected IAW An Annual Inspection And Was Determined To Be In An Airworthy Condition Mike Passwater AP1758050AI

Mike Passwater

YEAR: 2009 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.)
10-26	LT 2716.36		41743.5	CHECKED HEADING INDICATOR VS COMPASS ROSE ATKPOC ERROR FOUND TO BE 1° ON NORTH HEADING ALL OTHERS 0° Sheldon A. Buerin ATP 765145 CFI AIRPLANE
11-3-2009	2716.4			Replaced LEFT GEAR DOOR Hinge Assembly, Replaced Gear door Rod ends & SHAFT. Checked gear RETRACTION Mike Passey ATP 1758050
01-22-10	LT 2729.0		4156.14	REPLACED AIRCRAFT BATTERY CONCORDE R.G-35AX Sheldon A. Buerin ATP 765145

[illegible]

YEAR: 2010 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.)
7-19			4778.6	JACKED AIRCRAFT. Replaced main tires 600x6 6 GYRCD
L	2751.5			Repacked bearings. Installed new brake pads Left + Right
L SMOH	272.4			Replaced bulgie conds per A.D. 77-13-21-b, N ^o due c
R	2746.1			7/2013 OR 3251. Lubed gear + checked gear retraction
R SMOH	1101.2			ELT due 6/2012. Tested per FAR 91.207d + passed
				ALL TESTS. Replaced VAC. FILTERS. Replaced Left Tip
A.D. 79-12-08	C/w			TANK GASKET + TRAILING edge end Rib.
A.D. 83-10-01	C/w			Annual Inspection Completed
A.D. 79-20-10	C/w			This Date 7-19-10 At 2751.5 Hours
A.D. 74-16-08	C/w			I Certify That This Aircraft/Engine
A.D. 94-13-10	C/w.			Has Been Inspected IAW
A.D. 77-13-21	Quab C/w.			An Annual Inspection And Was
				Determined To Be In An
				Airworthy Condition
				Mike Passwater AP1758050AI

Mike Passwater

YEAR 2010	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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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 Twin Comanche

30-1140

N8031Y



1805-D McKinley Ave. La Verne, CA 91750

FAA REPAIR STATION N2YR845Y

DATE	07/27/10
W O #	5699
HOBBS	n/a
TACH	2752.6
HEATER	899.0

AIRFRAME LOGBOOK INSERT

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNED R. Clark

for CRS N2YR845Y

DATE 07/27/10

CW AD2004-21-05; performed heater decay test and combustion pressure switch check.

New BATTERY (Genscon RG-35AFC) INSTALLED

BRAKES BLEED & TESTED NAI W.D. / TRAPS MC0065649081

2-11-11				
2-11-11				

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.)
4-4-11	1-3801.59		4828.7	I CERTIFY THE ALTIMETER, STATIC SYSTEM, PRESSURE ALTITUDE REPORTING SYSTEM, AND TRANSPONDER HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH FAR 91.411 APP. E AND FAR 91.413, APP. F OF PART 43. ALTIMETER TESTED TO: 22,000 FT. DATE: 4-4-11 SIGNATURE: <i>[Signature]</i> SKY WEST INSTRUMENTS FAA REP. STA. # AK4R053M CABLE AIRPORT UPLAND, CA 91786

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.)
		4837.8	JACKED AIRCRAFT . checked TIRES & BRAKES .
2810.7			LUBED GEAR . checked GEAR RETRACTION ELT Due
331.6			6/2012. Tested per FAR 91.207d & PASSED ALL TESTS .
2805.8			Annual Inspection Completed
1160.4			This Date 5-25-11 At 2810.7 Hours
AD. 79-12-08 c/w			I Certify That This Aircraft/Engine
AD. 83-10-01 c/w			Has Been Inspected IAW
AD. 79-20-10 c/w			An Annual Inspection And Was
AD. 74-16-08 c/w			Determined To Be In An
AD. 94-13-10 c/w			Airworthy Condition
AD. 77-13-21 a due 2890 .			Mike Passwater AP1758050AI
			<i>Mike Passwater</i>
			b. due 7/2013 or 3251

[illegible]

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.)
2012			4893.6	JACKED AIRCRAFT, checked Tires & brakes.
6-1				Lubed gear & checked gear RETRACTION.
L-2866.5				Replaced ELT battery. New date 6-2-2014
R-2861.6				Tested per FAR 91.207d & PASSED ALL TESTS.
LSMOH 387.4				HEATER A.D. 2004-21-05 due 7-27-12
RSMOH 1216.2				Annual inspection Completed This Date 6-1-12 At 2866.5 Hours
A.D. 79-12-08 C/w				LUBRICATED LEFT PROP # H46 WITH 6 GREASE 6-2
A.D. 83-10-01 C/w				I Certify That This Aircraft/Engine Has Been Inspected IAW
A.D. 79-20-10 C/w				AN Annual Inspection And Was Determined To Be In An
A.D. 74-16-08 C/w				Airworthy Condition
A.D. 94-13-10 C/w				Mike Passwater AP1758050AI
A.D. 77-13-21a due 2890.6 due 7/13				Mike Passwater
A.D. 97-01-01 RI due 3078.				

YEAR: 2012 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.)
6-13	472866.60			

MODEL Piper Twin Comanche
 S/N 30-1140
 REG. NO. N8031Y



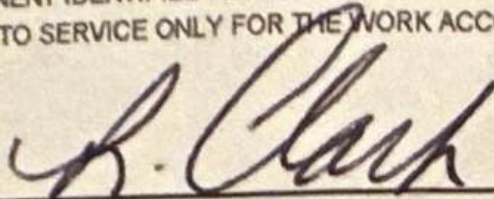
1805-D McKinley Ave. La Verne, CA 91750

FAA REPAIR STATION N2YR845Y

AIRFRAME LOGBOOK INSERT

DATE 06/13/12
 W.O.# 6209
 HOBBS n/a
 TACH 2866.60
 HEATER 917.70

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNED R. Clark  for CRS N2YR845Y DATE 06/13/12

1. C/W AD2004-21-05; performed heater decay test and combustion pressure switch check.
2. Replaced L/H brake caliper o-rings. Replaced worn brake bleeder and bled brake.
3. Serviced oxygen.

YEAR 2012	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.)
10-16	6277.93			

Piper Twin Comanche

30-1140

N8031Y



1805-D McKinley Ave. La Verne, CA 91750

FAA REPAIR STATION N2YR845Y

AIRFRAME LOGBOOK INSERT

DATE	10/16/12
W.O.#	6277
HOBBS	n/a
TACH	2893.93
HEATER	

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNED

R. Clark

for CRS N2YR845Y

DATE

10/16/12

1. Removed damage strut; replaced left trunion assembly with overhauled unit by S&B Industries under their w.o. 4379. Installed fork after repair by S&B Industries under their w.o. 10949; R&R left and right sidebrace bracket assemblies & inspected as per AD97-01-01, sidebrace studs NTD by Tim's Aircraft Engines under their w.o. 7997; replaced both bungees IAW AD77-13-21; dye checked scissors and sidebrace housings, cleaned, stripped, alodined & painted parts; assembled strut with new seals; serviced with fluid and N2; checked rigging and performed gear retraction tests.
2. Repaired battery box mount flange and clips.

DATE _____

**TOTAL
TIME IN
SERVICE**

Reference of Major Repairs and Major Alterations To

Reference of Major Repairs and Alterations to
FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

Dec 22

 $L7 = 2897.5$

LT=2897.5	Replaced all 6 'D' cell batteries in EHT, functionally tested O.K. S.O. 13 min
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[illegible]

Manufacturers' Mandatory Service Bulletins

Chronological Listing of Compliance and Method of Compliance

YEAR DATE	TOTAL TIME IN SERVICE	
		All GNS 480 and MX 20 data updates from installation of these units (on 13 Nov 2004 for the GNS 480 and 30 April 2005 for the MX 20) have been installed via data card updates from Jeppesen using personal computer downloads
16 Nov		GNS 480 & MX 20 Downloads installed - dated 2010 Nov 15 L. Q. Breen
19 Dec		GNS 480 & MX 20 Downloads installed - dated Dec 16, 2010 S. O. Breen
15 Jan		GNS 480 & MX 20 DATA DOWNLOADS INSTALLED DATED 15 JAN 2011 S. O. Breen
11 Feb		GNS 480 & MX 20 DATA DOWNLOADED & INSTALLED DATED 10 FEB 2011 S. O. Breen
9 Mar		GNS 480 & MX 20 DATA CARDS REVISED FOR MARIL 1 PHAS FOR 11 MAR 2011 S. O. Breen
5 Apr		GNS 480 & MX 20 DATA CARDS UPDATE AND INSTALLED FOR 7 APRIL 2011 S. O. Breen
2 May		GNS 480 & MX 20 DATA CARDS UPDATED AND INSTALLED FOR 5 MAY 2011 L. Q. Breen
21 May		GNS 480 & MX 20 DATA CARDS UPDATED AND INSTALLED FOR 2 JUNE 2011 L. Q. Breen

