

AIRFRAME MAINTENANCE RECORDS

Log No. 23

Aircraft Mfg. PIPER stration No. N550D
Model PA28R 200 Serial No. 28R 35783

Engine Mfg. LYCOMING Model IO 360 C1C Serial No. RL 6543 51A

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. HARTZELL Model HC-CZYK-1BF/F7666 A-2 Serial No. NS-2667B
~~PA28R 200~~ ~~28R 35783~~

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

www.adlog.com
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(631) 765-9375
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			

Oracle Aviation LLC
12916 Millard Airport Plz
Omaha, NE 68137



KMLE
402.934.5300
OracleAviation.com

Tail #	Tach	Aircraft TT	Date
N550D	2922.6 2922.6	3897.3	3/30/17

Performed annual inspection I/A/W PA28R-200 service manual

- Replaced left and right brake disks and brake pads
- Replaced left side tire
- Tested ELT as per FAR 91.207D and passed. Battery due May/2019
- Complied with AD76-07-12 Ignition switch by inspection Section 1 (a)(b)(c) no defects noted due again at tach time 3997.3
- Checked AD's through this date see AD log for compliance

I certify that this aircraft airframe has been inspected I/A/W annual inspection and found to be in an airworthy condition.

Barry D. Daniels II

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Tail #	Tach	Aircraft TT	Date
N550D	2922.6	3997	8/24/17

Performed annual inspection I/A/W PA28R-200 service manual

- Replaced landing light
- Replaced attaching fastener in air box
- Replaced left gear door linkage attach bracket with serviceable unit
- Replaced left hand static wick
- Replaced right main gear rim with serviceable unit.
- Replaced nose gear bearings and races
- Replaced shimmy damper with new replacement Cleveland unit P# 15-9
- All 3 gear were removed stripped and painted, new metering orifices were installed in all gear with new seals and serviced with 5606 fluid. Several retractions and extensions were performed along with 2 emergency extensions.
- Complied with AD97-01-01 R1 main gear side brace stud, by replacement of the right stud with new part. Left gear was previously done. With the new parts installed this AD is no longer applicable.

- Complied with AD76-07-12 Ignition switch, Replaced Switch with new style P# 10-357210-1 switch which makes this AD no longer applicable.

- Complied with AD17-14-04 Oil cooler hose assemblies, This AD is in conjunction with AD95-26-13. The aircraft already has Type D hoses installed that meet the spec specified in the earlier AD.

- Tested ELT as per FAR 91.207D and passed. Battery due May/2019

- Checked AD's through this date see AD log for compliance

I certify that this aircraft airframe has been inspected I/A/W annual inspection and found to be in an airworthy condition.

Barry D. Daniels II

TOTAL-Carry forward to next page

DATE	TOTAL TIME IN	TACH OR RECORDING
DUNCAN AVIATION	Reg. #:	N550D
	Make:	Piper Aircraft Inc.
	HMT:	1242.5

The following was performed by Duncan Aviation

- Tested and inspected the pilot's static pressure sy: IAW Title 14 CFR Part 91.411 and ATC transponder comply with Title 14 CFR Part 43, Appendices E &
 - Altimeter - United P/N 5934P-3 S/N 456521.
 - Encoder - Ilmorrow Apollo P/N 428-2003 S/N 10527.
 - Transponder - Bendix/King KT-76A, P/N 066-1062-10 S/N 33890.
 - Units tested to 20,000 ft. on 31 August 2017.

ALTIMETER SCALE ERROR				DATE 31st August 2017	
NOMENCLATURE ALTIMETER PRESSURE				SERIAL NO. 456521	
TEST PT (ft)	INDICATOR READINGS AT + 25° C	TEST PT (ft)	INDICATOR READINGS AT + 25° C	TEST PT (ft)	INDICATOR READINGS AT + 25° C
-1000	+10	8000	-25	30,000	
00	+10	10,000	-30	32,000	
500	0	12,000	-30	35,000	
1000	+10	14,000	-25	40,000	
1500	0	15,000	-20	45,000	
2000	+15	16,000	-5	50,000	
3000	+5	18,000	+20	55,000	
4000	-5	20,000	+50	60,000	
5000	-5	22,000		70,000	
6000	-10	25,000		80,000	

I certify this aircraft has been inspected in accordance with **FAR 91.411 and 91.413** and is approved for return to service.
A detailed record is on file under Work Order **ZH9VA**.

Signed: _____

Duncan _____

For Duncan Aviation Repair Station JGVR194F Phone: 800-228-4277

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Tail #	Tach	Aircraft TT	Date
N550D	2963.8		9/27/17

Replaced nose gear scissor link hardware. Ops check gear both in normal and emergency extension gear performed per manual specifications. Aircraft is approved for return to service with respect to the work performed.

Jacob Tyler Van Dyke _____

Oracle Aviation LLC
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Tail #	Tach	Aircraft TT	Date
N550D	2983.4		10/13/17

Replaced fuel pressure gauge with overhauled unit from Air parts of Lock Haven see WO# 172426 for details. Ops check good no discrepancy's noted. Aircraft is approved for return to service with respect to the work performed.

Allen Jones _____

SUB-TOTAL this page

TOTAL-Carry forward to next page



WORK PERFORMED—
O. OF PERSON PERFORMING WORK

Bairry D. Daniels II



Barry D. Daniels II

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AVCO LYCOMING DIVISION
WILLIAMSPORT, PA. 17701

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF Avco Lycoming IO-360 CIC RL 6543-51A
MAKE MODEL SERIAL

FROM November 9 19 82 TO 19

STARTING TIME FROM TO
HOURS HOURS

SP 1872

June 1972

ENGINE Logs June 2008 to Current
ENGINE Overhaul 10-12-1982

ARTex 406 EL+ ME-406

Form No. 776-D

REMANUFACTURED ZERO TIME ENGINE CERTIFICATE

This is to certify that the engine as described hereafter has been repaired as prescribed by AVCO Lycoming Specifications and Federal Aviation Regulations. All applicable Airworthiness Directives and factory Bulletins complied with at time of remanufacture.

Model IO-360-C1C Serial No. RL-6543-51A

Authorized representative [REDACTED] Date 10/12/82

AVCO Lycoming Factory Service Department

AVCO LYCOMING DIVISION WILLIAMSPORT, PA. 17701

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Tail #	Tach	Engine TT	SMOH	Date
N550D	3021.1		2264.1	11/28/17

Performed annual inspection I/A/W PA28R-200 service manual

- Compressions #1 70/80, #2 75/80, #3 60/80, 4# 75/80
- Changed oil with 8 qts of Philips 20W50 oil and new AA48110-2 filter
- Complied with AD15-19-07 fuel injection lines by inspection Paragraph e(ii) no defects noted at this time next due at Tach time 3131.1
- Complied with AD17-16-11 Engine connecting rod assembly, AD is N/A due to when engine was last overhauled. No further action required.
- Checked AD's through this date see AD log for compliance
- Run up check good no leaks.

I certify that this aircraft engine has been inspected I/A/W annual inspection and found to be in an airworthy condition.

Barry D. Daniels II

Revisions and Alterations

Certificate Number of Technician or Repair

SERVICE HISTORY

e	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
12	BROUGHT FORWARD	— 0 —	OVERHAULED/MAJOR INSPECTED	
			BY SENSENICH PROPELLER SERVICE, INC.	
			Hub Serial No. <u>CH29827E</u>	
			Blade Ser. No. <u>D44554</u>	
			<u>D44589</u>	
			Blade Angles Low <u>14.0</u> High <u>29.0</u>	
			Rev. <u>—</u> Feather <u>—</u>	
			TSO <u>— 0 —</u> W.O. <u>L2339</u> TEN	BROUGHT FORWARD
			Complied with AD 2007-26-09 As	
			Per Service Bulletin 118FRI	SENSENIH PROPELLER SERVICE
			AD IS SATISFIED	Repair Station #24170000
			Complied with AD 2009-22-03 As	
			Per Service Bulletin 01-269R5	
			By Eddy Current Inspection.	
			Inspection Recurs in 100 Hours	

Prop Log February 2012 to Current



ORACLE AVIATION HISTORY

Tail #	Tach	SMOH	Date
N550D	2443.2	0	12/10/15

Description of Work	Authorized Signatures

Performed annual inspection as per Piper Arrow PA28R-200
service manual

- Removed prop for overhaul see Maxwell propeller WO# 120714 for details
- Prop cycle good

I certify that this aircraft propeller has been inspected I/A/W
annual inspection and found to be in an airworthy condition.

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Tail #	Tach	Prop TT	SMOH	Date
N550D	2532.6		89.4	5/26/16

Performed annual inspection as per Piper inspection check list for the PA28R-200

- Greased prop
- Checked AD's through this date see AD log for compliance.

I certify that this aircraft propeller has been inspected I/A/W annual inspection and found to be in an airworthy condition.

Barry D. Daniels II

Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			120714	
4. Organization Name and Address: MAXWELL AIRCRAFT SERVICE, INC. 5800 CRYSTAL AIRPORT ROAD MINNEAPOLIS, MN 55429					5. Work Order/Contract/Invoice Number: 120714	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	HARTZELL PROPELLER	HC-C2YK-1BF/F7666A-2	1	NS-2667B	OVERHAULED	
12. Remarks: BLADE SERIAL NUMBERS: D44554 AND D44589. OVERHAULED PROPELLER WITH NEW HUB IN ACCORDANCE WITH HARTZELL PROPELLER MANUALS: 113B REVISION 42, 133C REVISION 32, 159 REVISION 30 AND 202A REVISION 51. COMPLIED WITH A.D. 2009-22-03 (PAR(P) (1) (EFFECTIVE 11-12-2009) IN ACCORDANCE WITH HARTZELL BULLETIN: 269 REVISION 6. COMPLIED WITH HARTZELL BULLETINS: 118F REVISION 1, 136I AND 269 REVISION 6. COMPLIED WITH HARTZELL SERVICE LETTERS: 61Y REVISION 8, 189 REVISION 2, 217, 267, 278, 293 REVISION 1 AND 548.						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authentication No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				CONRAD E. MAXWELL		DECEMBER 8, 2015
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)				NSN: 9052-00-012-9005		



DRY

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Barry D. Daniels II

PREPARED	PIPER AIRCRAFT CORP. DEVELOPMENT CENTER, VERO BEACH, FLA.	Weight and Balance Data
CHECKED		Model PA-28R-200
APPROVED	REPORT VB-176	PART 1 Section 1

WEIGHT AND BALANCE DATA
MODEL PA-28R-200 CHEROKEE

DUPLICATE

Airplane Serial Number 28R-3578J

Registration Number N5500

Date 10/30/70 (REVISED)

AIRPLANE EMPTY WEIGHT

Item	Weight (lbs.)	C. G. Arm X (Inches Aft of Datum)	Moment (lb-in)
XXXXX Standard Empty Weight * Computed	1451.0	84.0	121927
Optional Equipment	100.4	104.4	10477
Usable Fuel (13 1/3 Gals)	19.0	103.0	1957
Licensed Empty Weight = Total of Above Items	1561.4	85.5	133434

* Standard Empty Weight included paint, hydraulic fluid and undrainable engine oil.

AIRPLANE USEFUL LOAD - NORMAL CATEGORY OPERATION

(Gross Weight) - (Licensed Empty Weight) = Useful Load

(2500 lbs.) - (1561.4 lbs.) = 1038.6 lbs.

THIS LICENSED EMPTY WEIGHT, C. G. AND USEFUL LOAD ARE FOR THE AIRPLANE AS DELIVERED FROM THE FACTORY. REFER TO FORM PAA-33/ WHEN ALTERATIONS HAVE BEEN MADE.

Inspection Representative