



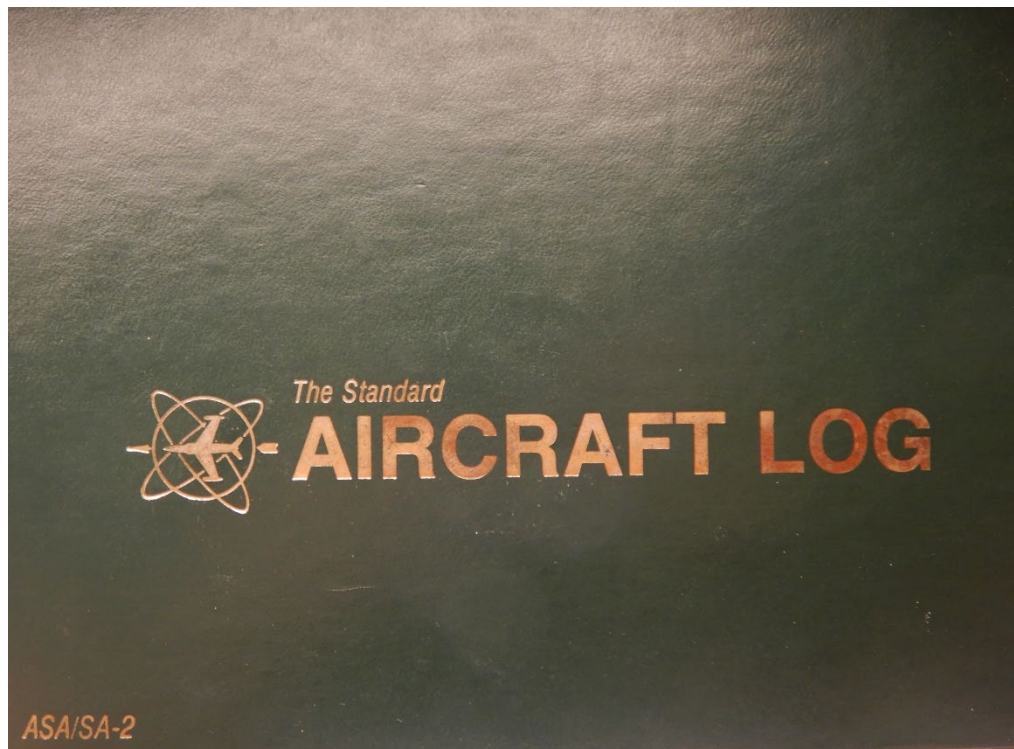
NATIONAL TRANSPORTATION SAFETY BOARD
Office of Aviation Safety

AIRCRAFT, ENGINE AND PROPELLER LOGBOOKS

A. ACCIDENT ERA23FA067

Location: Winston-Salem, NC
Date: November 19, 2022
Aircraft: Piper PA-30 Twin Comanche S/N 30-335
Registration: N7295Y
Right Engine: Lycoming IO-320-B1A S/N L-598-55
Left Engine: Lycoming IO-320-B1A S/N L-601-55

B. AIRCRAFT LOGBOOK



DATE	TOTAL TIME IN SERVICE	REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.
05-03-2022		EVT TESTED IN ACCORDANCE WITH FAR 91.27. HOBBS 1095.0 A/C. PAR "D" A/C CHECKS NORMAL. BATT. REPLACE DATE. A/C # 5455.3 A/R. 11-30-2023
		INSTALL 2 EA CONDOR 600X6 8 PLY TIRES + NEW 600X6 AERO CLASSIC TUBES. INSTALL 2 EA RAPCO 1/2" AN 66-100 BRAKE DISCS + 8 EA CLEVELAND 66-32 METALIC BRAKE PADS ALL W/HTC BEARINGS CLEANED INSPECTED + REPACKED.
		C/W AD 79-1208 INSP. OF FUEL SELECTOR VALVES DUE AGAIN BY 1195.0 HRS.
		C/W AD 85-10-01 INSP OF FUEL STRAINER FILTERS DUE AGAIN BY 1195.0 HRS. HOBBS SEE AD LIST FOR A/D COMPLIANCE.
		I certify that this aircraft/engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition
		Thomas W. Dahlmann IA [REDACTED]

DATE	TOTAL TIME IN SERVICE	REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.
		Installed pitot/static lines to G5 HSI. G5 HSI had Garmin service bulletin for replacement. Replaced G5 HSI s/n 4JQ030889. Replaced defective G5 HSI battery.
		The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service for the work performed. Pertinent details of this repair are on file at this Repair Station under Work Order: 22-288
		TECHNICIAN: [REDACTED] CRS #PG2R082L for Ron Collins Aviation Electronics [REDACTED] Henderson, KY [REDACTED] Phone [REDACTED]
		LOGBOOK ENTRY
		DATE: 9-29-22 MAKE: Piper NH 7295Y TACH: 921.3
		Ops checked function of electric and manual trim, system ops check normal. Ops check operation of pitch and pitch trim servo, system ops check normal. No wind data on G5 HSI. Troubleshot and found unit had no data inputs, unit had no pitot/static inputs. Installed required wiring from G5 to GAD29B. Installed data lines from GNS430W to G5's and programmed GNS430W and G5's. Programmed G5's and GAD29B for correct auto pilot type. Leveled aircraft to correct pitch and roll for G5's. Recalibrated heading magnetometer. Found no position data to transponder. Troubleshot and found GNS430W not programmed, programmed GNS430W for ADS-B position data.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
09-02-2021	1076.1	HOBBS		C/W 79-12-08 INSP. OF FUEL SELECTOR VALVE NO LINKS OR DEFECTS NOTE C/W 83-10-01 INSP. OF FUEL STRAIGHT FACTORS NO DEFECTS NOTED DOOTH DUE AGAIN BY 1101.1 HRS HOBBS REPLACE LT BATTERY INSTALL 16A MERL BP 1026 BATTERY GOOD UNTIL 11-31-2023. ECT TESTED C/W FAR 91.207 PAR "D" NO DEFECTS NOTED.
11-10-2022	1089.0	HOBBS		NETRCK 16A NEW CONCORDE AIRCRAFT BATTERY P/N RG-35AXC S/N 41211740 SERVICED I/A/W CONCORDE SERVICE INSTRUCTIONS. SEE SEE FAA FORM 8130-3 DATED 15 FEB 22

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<p>Date 11/13/2020 Hobbs Time 1049.9</p> <p>MOREY AIRPLANE COMPANY Middleton, WI</p> <p>PA-30 S/N 30-335</p> <p>ENGINE LOGBOOK ENTRY for N 7295Y</p> <p>Removed heater shutoff valve and installed new kit PN# 764-340 from Aviall. Removed and reinstalled safety valve assembly PN: 719553 with overhauled unit from Harold Haskins, INC work order number 5768. Heater operation and leak checks good for work performed. Approved for return to service for maintenance performed.</p>				
03-03-2021	A/GTT	HOBBS 1055.4 HRS	5415.7 HRS	Signed [Redacted] A&P# [Redacted]
<p>ECT TESTED I/A/W FAR 91.207 PAR "D" ALL CHECKS NORMAL BATTERY REPLACE DATE 08-31-2021 C/W AD 79-20-05 FUEL SELECTOR AD NO DEFECTS NOTED DUE AGAIN BY 1105.4 HRS C/W AD 83-10-01 BY INSP OF FUEL STRAIGHT FACTOR NUMBER 8015 NETRCK DUE AGAIN BY 1105.4 HRS SEE AD LIST FOR AD COMPLIANCE.</p>				<p>I certify that this aircraft engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition</p> <p>[Redacted Signature]</p> <p>Thomas W. Dahlmann IA [Redacted]</p>

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Nov. 12 2021				Model # 153510-00069 Serial # 201526 Aircraft N 7295Y Date: Nov 12 2021 Transponder system tested in accordance with part 43, Appendix "F" & Appendix "E" Subpart (c) for compliance with FAR 91.413. Signature: [Redacted] Work Order # 11607 MUELLER [Redacted] CRS # QYVR044J
				Model # 65 Serial # 419029719 Aircraft N 7295Y Date: Nov 12 2021 Altimeter, Altitude Reporter & Static System tested in accordance with Part 43, Appendix "E" for compliance with FAR 91.411 Altimeter T [Redacted] er # 11607 Signature: [Redacted] MUELLER [Redacted] RS # QYVR044J
				Model # 101637-01696 Serial # C-0117020 Aircraft N 7295Y Date: Nov 12 2021 Altimeter, Altitude Reporter & Static System tested in accordance with Part 43, Appendix "E" for compliance with FAR 91.411 Altimeter [Redacted] er # 11607 Signature: [Redacted] MUELLER [Redacted] RS # QYVR044J

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Nov. 12 2021				Model # 153510-00069 Serial # [Redacted] Aircraft N 7295Y Date: [Redacted] Transponder system tested in accordance with Part 43, Appendix "F" & Appendix "E" Subpart (c) for compliance with FAR 91.413. Signature: [Redacted] MUELLER [Redacted]
				Model # 65 Serial # 419029719 Aircraft N 7295Y Date: Nov 12 2021 Altimeter, Altitude Reporter & Static System tested in accordance with Part 43, Appendix "E" for compliance with FAR 91.411 Altimeter T [Redacted] er # 11607 Signature: [Redacted] MUELLER [Redacted]
				Model # 101637-01696 Serial # C-0117020 Aircraft N 7295Y Date: Nov 12 2021 Altimeter, Altitude Reporter & Static System tested in accordance with Part 43, Appendix "E" for compliance with FAR 91.411 Altimeter [Redacted] er # 11607 Signature: [Redacted] MUELLER [Redacted]

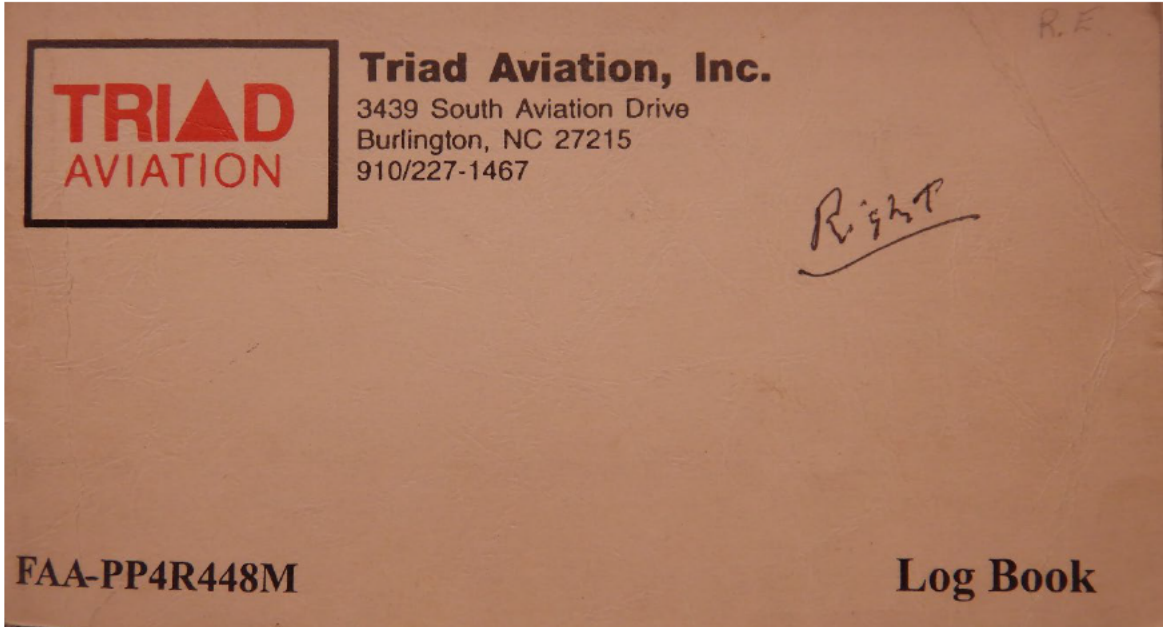
N7295Y Mueller Avionics, Inc. CRS #QYVR044J			
P/N	65	S/N	419029719
ALT	FT	ALT	FT
-1000	+10	16000	+20
0	+20	18000	+10
500	+20	20000	+20
1000	+20	22000	
1500	+20	25000	
2000	+20	30000	
3000	+20	35000	
4000	+20	40000	
6000	+10	45000	
8000	+20	50000	
10000	+20	Hys 50%	
12000	+20	Hys 40%	
14000	+20	Zero	

ALT	FT	ALT	FT
-1000	-10	16000	-30
0	-10	18000	-20
500	-0	20000	-20
1000	0	22000	
1500	0	25000	
2000	-10	30000	
3000	0	35000	
4000	-20	40000	
6000	-20	45000	
8000	-20	50000	
10000	-30	Hys 50%	
12000	-30	Hys 40%	
14000	-20	Zero	

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.)
2021				
07-16-2021				CHANGE OIL + FILTER INSTALL ICA TANKS
	HOBBS 1076.1 HRS.			CA 48110-2 FILTER + 7QTS 100W AGRO 50822 OIL
				ENGINE COMPRESSION CHECKING, CHECK OIL FILTER
				FOR CONTAMINATION NONE FOUND
				THOMAS W. DAHLMANN AFI

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2021				
03-03-2021				I certify that this aircraft/engine
	HOBBS 1055.4 HRS.			has been inspected in accor-
	ENG SUIT + 892.0 HRS.			dance with an annual inspection
	ENG RT. 5414.7 HRS.			and has been determined to be
	ENGINE COMPRESSION			in an airworthy condition
	① 78 ② 76 ③ 78 ④ 74			
	80 80 80 80			
	CLW AD 2015-19-07 FUEL			
	INJECTOR LINE INSPECTION NO DEFECTS NOTED			Thomas W. Dahlmann
	DUE AGAIN BY 1155.4 HOBBS			IA
	INSTALLED E-Z HEAT ENGINE			
	HOTTER PN 442			

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
LEFT ENGINE LOG				
N7295Y	11/1/2019	Lycoming IO-320-B1A	Ser.# L-601-35 SMOH 863.4	ETT 5387.7
Performed 100hr/Annual inspection in accordance with FAR 43 App. D and Piper PA30 inspection checklist.				
<ul style="list-style-type: none">• Compressions checked as follows: #1 79/80, #2 76/80, #3 79/80, #4 74/80.• Drained engine oil and serviced engine with 8 qts Aeroshell W100 Plus and installed new AA48110-2 filter.• Cut open old filter and inspected with no defects noted.• Cleaned, gapped, and checked spark plugs.• Checked left and right magneto timing.• Cleaned fuel injectors and fuel servo screen.• Removed #4 cylinder exhaust riser, Repaired cracked flange and reinstalled.• Inspected induction air filter and found serviceable.				
I certify that this engine has been inspected in accordance with a 100 hr / Annual Inspection and has been found in airworthy condition.				
Paul Voorhees		[REDACTED]		[REDACTED] A&P, IA



DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2022				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
05-03-2022				ENGINE COMPRESSION ①75 ②78 ③75 ④77 80 80 80 80
	HOBBS 1095.0 HRS.			<p>I certify that this engine engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition</p> <p>Thomas W. Dahlmann</p>
	ENG SMOH 920.6 HRS.			
	ENG TT 5453.3 HRS.			
	QW AD 2015-19-07			
	INSR. 01 FUEL INJ. LINES			
	NO DEFECTS NOTED			
	BOB AGAIN BY 1095.0 HRS			

DATE 19__	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.)
RIGHT ENGINE LOG				
N7295Y	11/1/2019	Lycoming IO-320-B1A	Ser.# L-598-55 SMOH 863. ETT 5387.7	
Performed 100hr/Annual inspection in accordance with FAR 43 App. D and Piper PA30 inspection checklist.				
<ul style="list-style-type: none"> • Compressions checked as follows: #1 73/80, #2 77/80, #3 79/80, #4 79/80. • Drained engine oil and serviced engine with 8 qts Aeroshell W100 Plus and AA48110-2 filter. • Cut open old filter, inspected, with no defects noted. • Cleaned, gapped, and checked spark plugs. Replaced #1 cylinder spark plug P/N UREM-40E. • Checked left and right magneto timing. • Cleaned fuel injectors and fuel servo screen. • Inspected induction air filter and found serviceable. 				
I certify that this engine has been inspected in accordance with a 100 hr / Annual Inspection and has been found in airworthy condition.				
Paul Voorhees	[Redacted Signature]		[Redacted Signature] A&P, I.A.	

D. PROPELLER LOGBOOKS

PROPELLER MAINTENANCE RECORD

Position <u>LEFT ENG</u>	PITCH RANGE _____
Propeller Model <u>HC-E2YL-2BS</u>	High/Feather _____
Propeller S/N <u>B6768</u>	Start Lock _____
Blade Design <u>7663-4</u>	Low _____
Blade S/N's	Reverse _____
No. 1 <u>B64382</u>	
No. 2 <u>B64523</u>	Aircraft Manufacturer <u>Piper</u>
No. 3 _____	Aircraft Model <u>PA-30</u>
No. 4 _____	S/N <u>30-335</u>
No. 5 _____	Registration <u>N7295Y</u>
No. 6 _____	
Spinner Assembly Part No. _____	

PROPELLER MAINTENANCE RECORD

Position RIGHT ENG PITCH RANGE _____

Propeller Model HC-E2YL-2BS High/Feather _____

Propeller S/N BG2414 Start Lock _____

Blade Design 7663-4 Low _____

Blade S/N's Reverse _____

No. 1 C9287

No. 2 C9524 Aircraft Manufacturer Piper

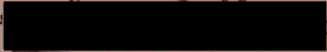
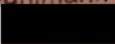
No. 3 _____ Aircraft Model PA-30

No. 4 _____ S/N 30-335

No. 5 _____ Registration N7295Y

No. 6 _____

Spinner Assembly Part No. _____

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
05-07-2022	HUGBS	10950		I certify that this propeller/governor and governor has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition.
	PROP SORT.	209.1 HRS.		
				 Thomas W. Dohmann IA 

RIGHT PROPELLER LOG
N7295Y 11/1/2019 Hartzell HC-E2YL-2BS/7663-4 Ser.# BG2414 TSOH 137.9 ACTT 5387.7

Performed 100 hr/annual inspection in accordance with FAR 43 App. D and Piper PA30 inspection guide.
Serviced propeller dome with nitrogen.

I certify that this propeller has been inspected in accordance with a 100 hr / Annual Inspection and has been found in airworthy condition.

Paul Voorhees [REDACTED] [REDACTED] A&P, IA

03-09-2021	I certify that this propeller/controls
HOBBS 105374	and governor has been inspected
PROP TTSOHT	in accordance with an annual in-
165.9 HRS.	spection and has been found to
	be in an airworthy condition
	[REDACTED]
	Thomas W. Dahlmann
	IA [REDACTED]

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