

N4147G

2000 Piper Archer III

Engine Logbooks (2021-Current)



RidgeAir
WORLDWIDE
aviation specialists

MSN: 2843364

Prepared by the worldwide aviation specialists at RidgeAir, Inc.

YEAR

20

DATE



CHEROKEE FLIGHT, LLC
1350 BISHOP RD, SUITE 118
BALL GROUND, GA 30107

Repairs and Alterations

(and Certificate Number of
or other specific entries.)

5/5/2021

N5705V Serial #28-7790500 Hobbs 5482.1 Tach 6139.7 TTAF 6139.7
Lycoming O-360-A4M S/N L- 23168-36A SMOH 2003.5

Performed 100hr inspection I.A.W. current Piper and Lycoming maintenance/shop manual and FAR 43 appendix D. Complied with A.D.'s per sheets in aircrafts records AD Toolbox). Drained engine oil and replaced with AeroShell W100+, removed and replaced oil filter with Tempest P/N AA 48110-2, checked for metal, cut open filter, no metal found. Performed compression test with the following results, 1) 73/80 2) 78/80 3)76/80 4) 78/80. removed, cleaned and gapped spark plugs.

I certify that this engine was inspected in accordance with an 100hr inspection and was determined to be in airworthy condition.

GREGORY C. STINE A&P3519272

5/28/21

TACH

6187.10

REMOVED FROM N5705V AND
SHIPPED TO PINNACLE AIRCRAFT
ENGINES AS CORE.

YEAR 20
DATE

20
DATE

RECORDING
TACH
TIME

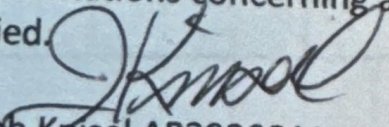
TODAY'S
FLIGHT

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)

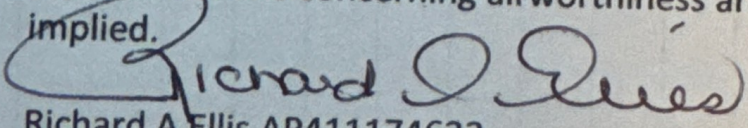
THE H COMPANY
HOUSTON EXECUTIVE AIRPORT
1900 CARDIFF RD
BROOKSHIRE, TX 77423

12-20-2021 N4147G PA28-181 28-43364 Tach 4405.7
Drain oil and replace filter with new customer supplied P/N AA48110-2 filter. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with customer supplied Phillips X/C 20W50 oil. Ground ran engine and checked for leaks. I certify that with respect to the work performed; this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy and return to service. No other representations concerning airworthiness are expressed or implied.


Joseph Knisel AP3926644

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1900 CARDIFF RD
BROOKSHIRE, TX 77423

1/5/2022 N4147G PA28-181 28-43364 Tach 4425.8
Remove oil cooler P/N 8001080, S/N 3561284. Install new oil cooler P/N 8001080, S/N 3561376 supplied by customer. Ground ran engine and checked for leaks. I certify that with respect to the work performed; this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy and return to service. No other representations concerning airworthiness are expressed or implied.

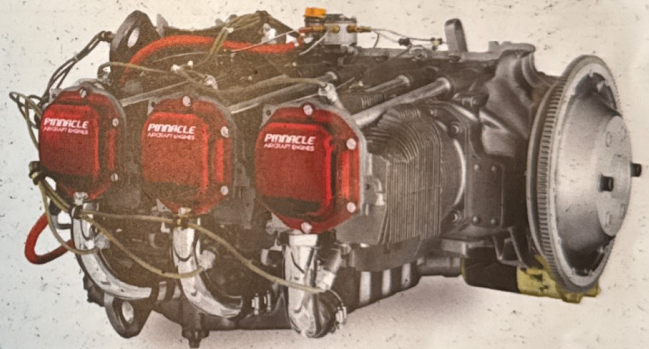
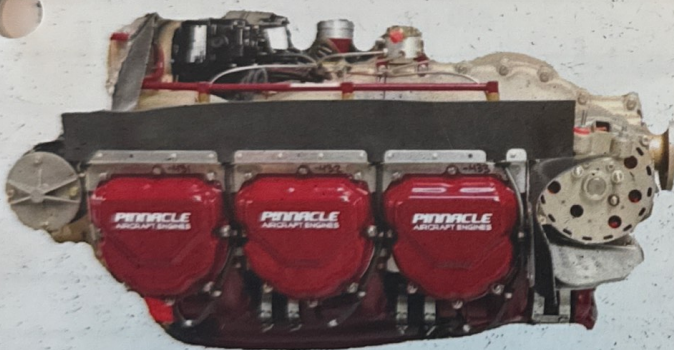

Richard A Ellis AP411174632




PINNACLE
AIRCRAFT ENGINES

The Choice of Professionals

ENGINE LOG BOOK






20421 Bohemian Hall Road
Silverhill, Alabama 36576

(251) 947-4848

info@paengines.com

www.pinnacleaircraftengines.com



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	
MM/DD/YYYY					<i>Installations, Inspection, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</i>
Brought Forward	➔				

This engine was sent to Pinnacle Aircraft Engines for an Overhaul. This engine has been disassembled, cleaned, inspected, reassembled, and tested in accordance with the manufacturer's instructions: Form #: 60294-7 Revision dated April 2020. All applicable Service Bulletins and Airworthiness Directives have been complied with. See S.B. and A.D. lists supplied. With respect to the work performed, this engine is airworthy and approved for return to service. Pertinent details of the work accomplished are on file under the following work order.

W/O#: 21_058

Date: 20/Oct/2021

Make/Model: Lycoming / O-360-A4M

Serial Number: L-23168-36A

Time in service: Engine TT: 6187.10 / TSMOH: 0.0



20421 Bohemian Hall Road
Silverhill, AL 36576

[Handwritten Signature]

Authorized Signature

8PCR980B

Certificate Number

Accessory/Component Condition Record

Records are on file at Pinnacle Aircraft Engines, LLC under the Work Order listed below.

Part Number	Serial Number	Description	Condition
SL36006W-A20P	366W000005493	Cylinder Kit - #1	New
SL36006W-A20P	366W000005494	Cylinder Kit - #2	New
SL36006W-A20P	366W000005495	Cylinder Kit - #3	New
SL36006W-A20P	366W000005496	Cylinder Kit - #4	New
c/n 72082	m/n 555	Crankcase	Repaired
13B27134	V537935558	Crankshaft	Repaired
LW11750	S267014-3	Connecting Rods	Repaired
76097	S264198-2	Camshaft	Repaired
O-360 Sub Assy	N/A	Rocker Arms	Overhauled
72877	ASR-6-9-21	Lifters	Overhauled
4371	J-04470	Left Magneto	Overhauled
4370	J-04471	Right Magneto	Overhauled
10-5193	MSOPAP01	Carburetor	Overhauled
AF15472	ORVM14	Fuel Pump	New
149NL/EC	H-V070565	Starter	New

Work Order#: 21_058

Date: 21/Oct/2021

Make/Model: Lycoming / O-360-A4M

Serial Number: L-23168-36A



20421 Bohemian Hall Road
Silverhill, AL 36576
251-947-4848

THE H COMPANY
1900 CARDIFF RD
BROOKSHIRE TX, 77423

11/12/2021 N4147G PA28-181 28-43364 Tach 4384.7 H/M 4907.2 ACTT 4328.0

Lycoming O-360-A4M L-26624-36A Eng. TTIS 4330.0 Eng. TTSMOH 1803.8

Remove Lycoming O-360-A4M, S/N L-26624-36A From Piper PA28-181, S/N 28-43364, N4147G and install overhauled engine, Lycoming O-360-A4M, S/N L-23168-36A with a Total Time in service of 6187-10 and TTSMOH 0 with all new motor mounts. Service with Aeroshell 100 mineral oil. Ground run and check for leaks and cowl engine. Break in procedures were performed by owner in accordance with Lycoming service instruction 1527C. I certify that I have inspected this engine in accordance with current FAR's and a 100 Hour/Annual inspection and was found to be in airworthy condition at this time and is approved for return to service.

Kenneth Griffith
Kenneth Griffith AP4673543471A



Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
MM/DD/YYYY				

Installations, Inspection, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

THE H COMPANY
1900 CARDIFF RD
BROOKSHIRE TX, 77423

6/21/2022 N4147G PA28-181 28-43364 Tach 4572.9 H/M 5123.3 ACTT 4538.6
 Lycoming O-360-A4M L-23168-36A Eng. TTIS 6375.3 Eng. TTSMOH 188.2

Complete Annual/100 Hour inspection this date in accordance with 14 CFR FAR 43 Appendix D and PA28-181 maintenance Manual. Compressions were as follows #1) 78/80 #2) 78/80 #3) 78/80 #4) 78/80. Remove cylinder No2 and replace broken upper forward case stud with new stud supplied by Pinnacle Aircraft Engines. Re-install No2 cylinder with existing rings. Replace induction air filter with new P/N 2030 filter. Replace cylinder No1 primer line with new P/N 63807-000 primer line. Drain oil and replace filter with new AA48110-2 filter supplied by customer. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with Phillips X/C 20W50 oil supplied by customer Ground ran engine and checked for leaks. I certify that I have inspected this engine in accordance with current FAR's and a 100 Hour/Annual inspection and was found to be in airworthy condition at this time and is approved for return to service.

Kenneth Griffith
 Kenneth Griffith AP4673543471A

THE H COMPANY
HOUSTON EXECUTIVE AIRPORT
1900 CARDIFF RD
BROOKSHIRE, TX 77423

4/20/2023 N4147G PA28-181 28-43364 Tach 5124.6

Drain oil and replace filter with new customer supplied P/N CH48110-1 filter. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with customer supplied Phillips X/C 20W50 oil. Ground ran engine and checked for leaks. Repair cylinder No2 primer line with new compression fitting. Tighten all oil return hoses. Tighten all rocker box cover screws. I certify that with respect to the work performed; this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy and return to service. No other representations concerning airworthiness are expressed or implied.

Richard A Ellis
 Richard A Ellis AP411174632



Date		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
MM/DD/YYYY	Hrs.	Min.	Hrs.	Min.	<i>Installations, Inspection, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</i>	

THE H COMPANY
1900 CARDIFF RD
BROOKSHIRE TX, 77423

7/11/2023 N4147G PA28-181 28-43364 Tach 5206.9 H/M 5829.2 ACTT 5172.6
 Lycoming O-360-A4M L-23168-36A Eng. TTIS 7006.3 Eng. TTSMOH 822.2

Complete Annual/100 Hour inspection this date in accordance with 14 CFR FAR 43 Appendix D and PA28-181 maintenance Manual. Compressions were as follows #1) 78/80 #2) 78/80 #3) 78/80 #4) 78/80. Drain oil and replace filter with new AA48110-2 filter supplied by customer. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with Phillips X/C 20W50 oil supplied by customer Ground ran engine and checked for leaks. Install new grommets and new flapper valve P/N 62999-00 on carburetor air box supplied by customer. Replace cylinder No4 intake gasket with new P/N 71973 gasket. Replace all spark plugs with new P/N UREM38E plugs supplied by customer. Replace induction air filter with new P/N 601-819 filter supplied by customer. Replace cylinder No1 and No3 exhaust flange gaskets with new P/N 65321 gaskets. Pressurize and leak check exhaust system. All AD's checked thru bi-weekly 2023-12. I certify that I have inspected this engine in accordance with current FAR's and a 100 Hour/Annual inspection and was found to be in airworthy condition at this time and is approved for return to service.

Kenneth Griffith
 Kenneth Griffith AP467354347IA

THE H COMPANY
1900 CARDIFF RD
BROOKSHIRE TX, 77423

8/21/2024 N4147G PA28-181 28-43364 Tach 5666.5 H/M 6357.0 ACTT 5632.2
 Lycoming O-360-A4M L-23168-36A Eng. TTIS 7465.9 Eng. TTSMOH 1281.1

Complete Annual/100 Hour inspection this date in accordance with 14 CFR FAR 43 Appendix D and PA28-181 maintenance Manual. Compressions were as follows #1) 76/80 #2) 74/80 #3) 74/80 #4) 78/80. Drain oil and replace filter with new CH48110-1 filter supplied by customer. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with Phillips X/C 20W50 oil supplied by customer Ground ran engine and check for leaks. Replace all spark plugs with new P/N REM38E plugs supplied by customer. Check magneto to engine timing. Replace induction air filter with new P/N P617058 supplied by customer. Inspect and lubricate all engine controls. Adjust carb neat cable as required. Re-torque all case bolts. Replace all rocker box gaskets with new P/N 75906 gaskets. Replace all pushrod tube gaskets and O-rings with new P/N 62922 and 70310 gaskets. Pressurize and leak check exhaust system. No discrepancies were noted at this time. Remove air conditioner compressor and compressor belt at owners request. All AD's checked thru bi-weekly 2024-16. I certify that I have inspected this engine in accordance with current FAR's and a 100 Hour/Annual inspection and was found to be in airworthy condition at this time and is approved for return to service.

Kenneth Griffith
 Kenneth Griffith AP467354347IA



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	
10/26/2024	Tach: 5744.2				Installations, Inspection, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins Drained engine oil and removed oil filter. Installed new oil filter P/N: AA48110-2. Serviced engine with seven quarts of Phillips XC20W50. Ran engine with no leaks noted. <i>[Signature]</i> John Brak A+P3535283
	Hobbs: 6443.6				
01/31/2025	Tach: 5819.0				Drained engine oil and removed oil filter. Installed new oil filter P/N: AA48110-2. Serviced engine with seven quarts of Phillips XC20W50. Ran engine with no leaks noted. <i>[Signature]</i> John Brak A+P3535283
	Hobbs: 6526.7				

FEBRUARY 17, 2025 N4147G S/N 28-43364 PA-28-181 Hobbs: 5829.3

REMOVED TOP ENGINE COWL, TROUBLESHOOT DISCREPANCY, REMOVE SPARK PLUGS AND CLEANED, REMOVED L/R MAGNETOS OPENED BACK COVER ON MAGS INSPECTED, CLEANED AND BENCH TIMED MAGNETOS, PURGED FUEL PUMP AND FUEL HOSES, INSTALLED L/R MAGNETOS TIMED MAGNETOS AS REQUIRED, COMPLIED WITH ENGINE RUN, OPS CHECK GOOD, L/R MAG DROP IS 100 RPM. RE-INSTALLED ENGINE COWLING AS REQUIRED.

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 manufacturer's instructions. Pertinent details of the repair are on file under Work Order: 25016

Ricardo Moreno A&P 451237808 CORPJET AVIATION LLC

03/29/25	Tach: 5877.7				Drained engine oil and removed oil filter. Installed new oil filter P/N: AA48110-2. Serviced engine with seven quarts of Phillips XC20W50. Ran engine with no leaks noted. <i>[Signature]</i> A+P3535283
	Hobbs: 6595.4				



Engine Service and Maintenance Record

Installations, Inspection, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date MM/DD/YYYY	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
	<p>THE H COMPANY HOUSTON EXECUTIVE AIRPORT 1900 CARDIFF RD BROOKSHIRE, TX 77423</p>				<p>THE H COMPANY HOUSTON EXECUTIVE AIRPORT 1900 CARDIFF RD BROOKSHIRE, TX 77423</p>
1/23/2025	N4147G	PA28-181	28-43364	Tach 5815.8	<p>Tighten all rocker box cover screws. Replace both exhaust muffler straps with new P/N 24793-04 straps. I certify that with respect to the work performed; this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy and return to service. No other representations concerning airworthiness are expressed or implied.</p> <p><i>Kenneth Griffith</i> Kenneth Griffith AP467354347</p>
5/9/2025	N4147G	PA28-181	28-43364	Tach 589.4	<p>Relace all plugs with new P/N REM 38E spark plugs. I certify that with respect to the work performed; this aircraft was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy and returned to service. No other representations concerning airworthiness are expressed or implied.</p> <p><i>Kenneth Griffith</i> Kenneth Griffith AP467354347</p>
8/4/2025	Tach: 5937.7	Hobbs: 6661.9			<p>Drained engine oil. Removed oil filter. Installed new oil filter P/N AA48110-2. Installed new oil fit serviced engine with 7 quarts of Phillips XC20W50. Ran engine with no leaks noted.</p> <p><i>John Brak</i> A+P3535283</p>
9/21/2025	N4147G	PA28-181	28-43364	Tach 5961.3 H/M 6689.2 ACTT 5927.0	<p>THE H COMPANY 1900 CARDIFF RD BROOKSHIRE TX, 77423</p> <p>Lycoming O-360-A4M L-23168-36A Eng. TTIS 7760.7 Eng. TTSMOH 1575.9</p> <p>Complete Annual/100 Hour inspection this date in accordance with 14 CFR FAR 43 Appendix D and PA28-181 maintenance Manual. Compressions were as follows #1) 78/80 #2) 79/80 #3) 78/80 #4) 78/80. Drain oil and replace filter with new AA48110-2 filter supplied by customer. Cut removed filter open and inspect for metal contamination. No discrepancies noted at this time. Serviced engine with Phillips X/C 20W50 oil supplied by customer Ground ran engine and check for leaks. Clean, inspect and rotate all plugs. Check magneto to engine timing. Replace induction air filter with new P/N P617058 supplied by customer. Inspect and lubricate all engine controls. Pressurize and leak check exhaust system. No discrepancies were noted at this time. Remove air conditioner compressor and compressor belt at owners request. All AD's checked thru bi-weekly 2025-18. I certify that I have inspected this engine in accordance with current FAR's and a 100 Hour/Annual inspection and was found to be in airworthy condition at this time and is approved for return to service.</p> <p><i>Kenneth Griffith</i> Kenneth Griffith AP467354347IA</p>

