Book 2



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer LYCOMING **Model** O-360-A4A

Serial RL-29834-36A **Type Certificate**

This engine is currently installed in aircraft PIPER ARCHER I N44584 S/N 28-7405262

Minimum Octane Fuel **Oil Grade:** Summer Winter

Magneto Time 25° BTDC **Point Setting** **Firing Order**

Spark Plug Gap

Manufacturer recommended overhaul at 2000 **hours**

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.)

C&R AIRCRAFT MAINTENANCE, LLC 117 CONSTELLATION DR. CRESSON, TX. 76035
WORK (817) 512-4731 CELL (817) 308-5519

This Engine was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Performed compression test with the following results: #1 72/80 #2 73/80 #3 75/80 #4 76/80. Checked Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Exxon Elite 20W50 oil and CH48110-1 Champion Oil Filter. The following recurring AD's were complied with: **AD95-26-13**, Dated 02 May, 1996, Oil Cooler Hose assemblies, C/W by AMOC number 1, Visual inspection of hoses, due again at next annual; **AD04-10-14C1**, Dated 25 June, 2004, Crankshaft Gear and Gear Retaining Bolt, C/W by No Prop strike has been experienced. The following new AD's were complied with: **AD12-03-07**, Dated 03/27/2012, Carburetor Mixture Control Sleeve, N/A by Carburetor Part Number; **AD12-19-01**, Dated 10/24/2012, Crankshaft Retirement, N/A by Engine Model and Engine serial number.

I CERTIFY THAT THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE WITH A *100 hour* INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE *05/01/2013* TOTAL TIME *5905.35* TACH TIME *5906.35* T.S.O.H. *1226.36*

SIGNATURE _____ **R.J.Pyles** **NO *2837743 A&P/I.A.***

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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WORK (817) 512-4731 CELL (817) 308-5519

This Engine was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Performed compression test with the following results: #1 78/80 #2 77/80 #3 78/80 #4 78/80. Checked Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Exxon Elite 20W50 oil and CH48110-1 Champion Oil Filter. The following recurring AD's were complied with: **AD95-26-13,** Dated 02 May, 1996, Oil Cooler Hose assemblies, C/W by AMOC number 1, Visual inspection of hoses, due again at next annual; **AD04-10-14C1,** Dated 25 June, 2004, Crankshaft Gear and Gear Retaining Bolt, C/W by No Prop strike has been experienced. The following new AD's were complied with: None Found

I CERTIFY THAT THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE WITH A *100 hour* INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE *06/16/2014* TOTAL TIME *5928.31* TACH TIME *5928.31* T.S.O.H. *1248.32*

SIGNATURE _____ **R.J.Pyles** **NO *2837743 A&P/I.A.***

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.)

C&R AIRCRAFT MAINTENANCE, LLC 117 CONSTELLATION DR. CRESSON, TX. 76035
WORK (817) 512-4731 CELL (817) 308-5519

This Engine was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Performed compression test with the following results: #1 73/80 #2 74/80 #3 75/80 #4 78/80. Checked Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Phillips 20W50 oil and CH48110-1 Champion Oil Filter. The following recurring AD's were complied with: **AD95-26-13**, Dated 02 May, 1996, Oil Cooler Hose assemblies, C/W by AMOC number 1, Visual inspection of hoses, due again at next annual; **AD04-10-14C1**, Dated 25 June, 2004, Crankshaft Gear and Gear Retaining Bolt, C/W by No Prop strike has been experienced. The following new AD's were complied with: **AD15-02-07**, Dated 03/11/15, Propeller Governor Idler Shaft Set Screw, N/A by no Governor installed.

I CERTIFY THAT THIS *Engine* HAS BEEN INSPECTED IN ACCORDANCE WITH A *100 hour* INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE *07/10/2015* TOTAL TIME *5936.99* TACH TIME *5936.99* T.S.O.H. *1257.00*

SIGNATURE _____ **R.J.Pyles** **NO *2837743 A&P/I.A.***

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.)

C&R AIRCRAFT MAINTENANCE, LLC 117 CONSTELLATION DR. CRESSON, TX. 76035
WORK (817) 512-4731 CELL (817) 308-5519

DATE ***09/01/2016*** **TOTAL TIME** ***5944.17*** **TACH TIME** ***5944.17*** **T.S.O.H.** ***1264.18***

This Engine (Lycoming P/N O-360-A4A S/N RL-29834-36A) was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Inspected Alternate Vacuum Shuttle valve IAW Precise Flight Installation Report Section 3.3.2, para A-E. Found to be acceptable. Performed compression test with the following results: #1 74/80 #2 78/80 #3 76/80 #4 74/80. Checked and set Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Phillips 20W50 oil and Tempest AA48110-2 Oil Filter. The following recurring AD's were complied with: **AD84-28-02**, Dated 01/29/02, Paper Induction Air Filter, C/W by visual inspection and Log Book review, due at 6110.5 Tach Hours and visual inspection at next annual; **AD95-26-13**, Dated 02/05/96, Oil Cooler Hose assemblies, C/W by AMOC number 1, Visual inspection of hoses, due again at next annual; **AD04-10-14C1**, Dated 06/25/04, Crankshaft Gear and Gear Retaining Bolt, C/W by Log Book Review No Prop strike has been experienced. Review at next annual, prop strike, or overhaul. The following new AD's were complied with: None Found

I CERTIFY THAT THIS ***Engine*** **HAS BEEN INSPECTED IN ACCORDANCE WITH A** ***100 hour*** **INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

SIGNATURE _____ **R.J.Pyles** **NO** ***2837743 A&P/I.A.***

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.)

C&R AIRCRAFT MAINTENANCE, LLC 117 CONSTELLATION DR. CRESSON, TX. 76035
WORK (817) 512-4731 CELL (817) 308-5519

DATE *09/22/2017* **TOTAL TIME** *5950.56* **TACH TIME** *5950.56* **T.S.O.H.** *1270.57*

This Engine (Lycoming P/N O-360-A4A S/N RL-29834-36A) was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Inspected Alternate Vacuum Shuttle valve IAW Precise Flight Installation Report Section 3.3.2, para A-E. Found to be acceptable. Performed compression test with the following results: #1 72/80 #2 72/80 #3 74/80 #4 72/80. Checked and set Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Aeroshell 15W50 oil and Champion CH48110-1 Oil Filter. The following recurring AD's were complied with: **AD84-28-02**, Dated 01/29/02, Paper Induction Air Filter, C/W by visual inspection and Log Book review, due at 6110.5 Tach Hours and visual inspection at next annual; **AD95-26-13**, Dated 02/05/96, Oil Cooler Hose assemblies, C/W by AMOC number 1, Visual inspection of hoses, due again at next annual; **AD04-10-14C1**, Dated 06/25/04, Crankshaft Gear and Gear Retaining Bolt, C/W by Log Book Review No Prop strike has been experienced. Review at next annual, prop strike, or overhaul. The following new AD's were complied with: None Found

I CERTIFY THAT THIS *Engine* **HAS BEEN INSPECTED IN ACCORDANCE WITH A** *100 hour* **INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

SIGNATURE _____ **R.J.Pyles** **NO** *2837743 A&P/I.A.*

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.)

C&R AIRCRAFT MAINTENANCE, LLC 117 CONSTELLATION DR. CRESSON, TX. 76035
WORK (817) 512-4731 CELL (817) 308-5519

DATE *10/05/2018* **TOTAL TIME** *5953.15* **TACH TIME** *5953.15* **T.S.O.H.** *1273.16*

This Engine (Lycoming **P/N O-360-A4A S/N RL-29834-36A) installed on Piper Archer I (PA28-180 S/N 28-7405262) with Propeller (Sensenich P/N76EM8S5-0-62, S/N 29504K)** was inspected IAW the latest Piper inspection manual and checklist for a 100 hour inspection. The following maintenance was performed: Inspected Alternate Vacuum Shuttle valve IAW Precise Flight Installation Report Section 3.3.2, para A-E. Found to be acceptable. Performed compression test with the following results: #1 72/80 #2 75/80 #3 75/80 #4 74/80. Checked and set Engine to Magneto Timing at 25° BTDC. Drained oil and removed filter. Serviced with 8qts of Aeroshell 15W50 oil and Champion CH48110-1 Oil Filter. The following recurring AD's were complied with: **AD84-28-02**, Dated 01/29/02, Paper Induction Air Filter, C/W by visual inspection and Log Book review, due at 6110.5 Tach Hours and visual inspection at next annual; **AD95-26-13**, Dated 02/05/96, Replaced by **AD2017-14-04**; **AD04-10-14C1**, Dated 06/25/04, Crankshaft Gear and Gear Retaining Bolt, C/W by Log Book Review No Prop strike has been experienced. Review at next annual, prop strike, or overhaul. The following new AD's were complied with: **AD2017-14-04,** Dated 08/15/17, Oil Cooler Hose assembly TSO Requirements, Inspected Oil Cooler hoses IAW AD paragraph (g) and found hoses to be TSO'ed C53a Type D which is terminating action for this AD

I CERTIFY THAT THIS *Engine* **HAS BEEN INSPECTED IN ACCORDANCE WITH A**

100 hour **INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

SIGNATURE _____ **R.J.Pyles** **NO** *2837743 A&P/I.A.*

YEAR: 2019 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.)
10/1/19	5958.0		5958.0	Inspected this engine IAW a 100 hour inspection.
	1278.01	TSOH		Engine was found to be in an airworthy condition.
				Harry L Phillips A&P 1821637
1Nov19	5958.0		5958.0	
	1278.01	SMOH		I certify this engine has been inspected in accordance with an annual inspection within the scope of FAR Part 43 Appendix D and was found to be in an airworthy condition. All applicable AD's have been complied with to date. Jeremy S. Webster A&P/IA 3051920

YEAR: 2020 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.)
12/02/20	5980.04		5980.04	Inspected engine IAW a 100 hour inspection
	1300.05	TSOH		Engine was found to be in an airworthy condition
				Thomas L. Phillips A&P 1821657
12/2/2020	5980.04		5980.04	
	1300.05	TSOH		
12/5/21	5980.41			CHANGED oil with 7 Qts of AEROSHELL W100 plus
	5986.41			AND Tempest 48110 Filter ops checked good
				OWNER MJ FARELSH 2083178 ATP

I certify this engine has been inspected in accordance with an annual inspection within the scope of FAR Part 43 Appendix D and was found to be in an airworthy condition. All applicable AD's have been complied with to date.

Jeremy J. Webster A&P/IA 3051920

YEAR: 2022 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.)
2/16/22	5986.12			This engine has been inspected IAW an annual inspection per FAR 43 appendix D. Compression results 1) 72/80 2) 78/80 3) 74/80 4) 74/80. Cleaned and inspected spark plugs. AP 3384734 IA
1-29-23	5994			changed oil with Aeroshell 100plus and champion oil filter 48-110 pilot/owner MJ Parrish 2089178 ATP
3/1/23	5997.4			This engine has been inspected IAW an annual inspection and determined to be in airworthy condition. 1) 76/80 2) 74/80 3) 76/80 4) 78/80 compression results. Verified mag Timing 25° BTDC. AP 3384734 IA

YEAR: 24 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.)
5/24	6002.59			This engine has been inspected IAW a Annual inspection per FAR 43 appendix D and determined to be in airworthy condition Compression results 1) 74/80 2) 68/80 3) 74/80 4) 76/80. 0.1 change not required at this time. Cleaned and inspected spark plugs. All AD's complied with to date. JJB A/IA 3384734
09/06	6004.0			Remove L&R MAGS for; 500 hrs insp. Accomplished by Aircraft Magneto Serv. P.O. Box 1055 Stevensville, MT 59870 IAW Manuf. Service Instructions. Re Installed sync and functional ck and no discrepancies noted 09/06/24 ASP 3197693.

YEAR: | RE TA TIM

DATE

Crosby Flying Services, LLC.

2302 S Water St, Burnet, TX 78611 – (432) 448 - 0429 – ShopBMQ@FlyCrosby.com

Date: 3/14/2025; Aircraft: N44584; Tach: 6041.99; Engine - Type: Lycoming O-360-A4A, S/N: RL-29834-36A, Time: 6041.99 SMOH: 1362.0

Shop Order #: BMQ-25-00213, Closed: 3/14/2025

Completed oil change. Drained oil and cut open filter to inspect for debris, none found. Collected Blackstone Oil Sample and sent for analysis. Installed new filter and serviced engine with 6 quarts of Aeroshell W100 oil and one pint of CamGuard. Ran engine and checked for leaks, none found.

With respect to the work performed, this engine is approved for return to service.

Nicholas Bownds A&P 4318510 IA