

N2086Q



*The Standard*

**ENGINE LOG**

ASA-SE-1



YEAR  
20  
DATE

FliteWing Engines.

3280 25<sup>th</sup> St. SE  
Salem, OR. 97302  
ETT. 3984.0

IO-360 A1B6D

Date: 10/6/2015  
PO Box 13047  
Salem, OR. 97309  
SMOH: 0.00

S/NL-16114-51AC

This engine has been overhauled in accordance with Lycoming Manual 60294-7 to new limits. See the following list of parts installed. Crankcase was exchanged with an overhauled assembly. Crankshaft was inspected and reworked (mains std, rods -.003) Crankshaft gear was reworked to comply with SB475. Connecting rods were inspected and rebushed. Rocked arms were inspected and rebushed. Gears were mag particle inspected. Fuel injection system (servo, flow divider was completely overhauled and 4 nozzels replaced with new). 10-382555-11 S/N R8382 Magneto was overhauled. New Champion spark plugs installed. All gaskets, circlips and seals were replaced. See attached AD list.

SL75441-1 major overhaul gasket set

SL12186 rod nuts

SL13884A front main bearing

SL11020 Center and rear bearings

SL13212 M03 rod bearings

SL75060 rod bolts

AN8-14-A crankshaft gear bolt

SL-STD-2180 drain hose

LW18840 camshaft

72877 lifter bodies

05K21120 lycoming cylinders complete

All engine hardware replaced with new

*LW15473 Fuel pump*

This aircraft and/or component identified above was repaired or inspected in accordance with current FAA regulations and is approved for return to service only for the work accomplished.

M Ward 573944410 IA

*M Ward*

YEAR  
20  
DATE

FliteWing Inc.  
503-559-6006

N2086Q  
Tach: 4996.5

Date: 11/25/2015  
TTAF: 4996.5

Installed this engine using the Cessna service manual and the Lycoming overhaul manual as a guide. All accessories were overhauled/repared with the exception of the starter. Service engine with Aeroshell 100 non-detergent oil. Test ran and leak checked. Set idle and idle mixture. Installed engine cowl and test flew aircraft for 1 hour. This engine has been inspected in accordance with a 100 hour inspection and determined to be airworthy.

Mike Ward 573944410 IA

*MD Ward*

3/18/16	5007.2			changed oil/FILTER Aeroshell 100 -Tempest 48103-2 <i>claim</i>
6/14/16	5020.9			changed oil/FILTER Aeroshell 100 -Tempest 48103-2 <i>claim</i>
8/5/16	5041.2			changed oil/FILTER Aeroshell W100 Tempest 48103-2 <i>claim</i>
				<i>ATP</i> <i>2813036</i>

FliteWing Inc.  
(503) 559-6006

SMOH: 49.5

N2086Q  
Tach: 5046.0

Date: 8/17/2016  
TTE: 4034.5

Technician or

Performed a 100 hour inspection on this engine using the Cessna service manual and FAR 43 appendix(d) as a guide. AD 2015-02-07 is N/A by engine model. No oil change at this time. Replaced Bracket air filter. Cleaned, gapped and tested all spark plugs. Checked timing and compression as follows: #1-75/80 #2-75/80 #3-74/80 #4-76/80. Complied with AD 2011-26-04 (effective date 1/15/2012) inspection of fuel injector lines with no defects found, due again in 100 hours. Test ran and leak checked engine. This engine has been inspected in accordance with a 100 hour inspection and was determined to be airworthy.

Mike Ward 573944410 IA

*MWard*

12/3/16	5069.7	Changed oil aeroshell W100 8qts, filter Tennest 48103-2
5/17/17	5091.2	changed oil aeroshell W100 8qts, filter Tennest 48103-2
10/25/17	5115.0	changed oil aeroshell W100 8qts Tennest filter 48103-2 also AirA+P 2813036
		also AirA+P 2813036
		also AirA+P 2813036

YEAR 2017 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
11/16/2017	5116.1			<p>Compression checked 1) 78 2) 77 3) 76 4) 77. Cleaned and gapped all spark plugs. Adjusted mag timing. Cleaned fuel servo inlet screen. Replaced air filter element. Replaced all cylinder hold down studs due to two broken studs. The forward three studs were checked to see if there had been any loss of torque. They were found to have no loss of torque but were replaced. Complied with AD 2015-19-07 per MSB 3426. Due again 5216.1 or after line maintenance.</p> <p style="text-align: right;">Steven F. Jason AIP551-807322</p>

YEAR 2017-18 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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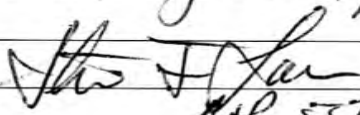
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.  
 Dated: 11/16/2017 Total time 4104.6 hrs.  
 Signed: [Signature]  
 Certificate No: 1A531-80-1227

5116.1 TACH + TTA  
4104.6 TTE

4/4/18 5143.1 changed oil + filter 8 qts Aeroshell 100, tempest 48103-2 Clin [Signature] A+P 281303

9-13-18 5170.6 Remove mag and send out for repairs install and adjust timing. Check run OK

9/20/18 5173.6 changed oil + filter 8 qts Aeroshell 100, tempest 48103-2 Clin [Signature] 3056795 IA A+P 2813036

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/4/2018	5175.2 hrs	Tech		Compression checked 1) 76/80 2) 79/80 3) 79/80 4) 78/80. Timing set for 250 BTDC. Installed non vented plug in top position of dual mag. Cleaned wiring harness cover for good grounding of magnet capacitor. Cleaned and gapped all spark plugs. Replaced 1 rocker box screw #1 cylinder. Replaced wire harness spring #3 lower.  <div style="text-align: right;">               AIP 557-80-1322           </div>
10/14/2018	5176.0 hrs			removed & re-installed air box with new alternate air duct fabricated using HC 43.13-1B. Spring 16500194. Cleaned AIP 2813056

YEAR  
20  
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FliteWing Engines.

3280 25th St

YEAR 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.)
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TACH 5175.2  
TTE 4163.7

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.  
Dated: 10/4/2018 Total time 5163.7 hrs.  
Signed: [Signature]  
Certificate No: 1855780-1322

- 3/30/19 5193.6 changed oil, filter - Tempest AA4R103-2 - 8 qts Aeroshell W100 AEP 2813
  - 10-28-19 5219.7 4208.2 223.2 SMOH - R&R AIR FILTER w/ NEW TEMPEST #4816
  - CUT OPEN, NOTHING FOUND, R&R AIR FILTER w/ NEW #BA-<sup>5705</sup>~~5705~~, CLEAN FUEL STRAINER AND SE
  - INLET FILTER, CLEAN AND GAP SPARK PLUGS, TORQUE TO SPECS, CHECK MAGNETO TIMING, (2) 24
  - R&R MUFFLER, REPAIRED BY KNISLEY WELDING, R&R MUFFLER BRACE, REPAIRED BY LORE
  - AIR, FAA CERT. # ZUVR061J, CHECKED COMPRESSION CYL. (1) 79/80 (2) 79/80 (3) 79/80 (4) 79/80
- [Signature] AEP 3659011

YEAR 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.)
10/8/2019	5219.7	TRC1E	4208.2	ETT 223.2 SMOH
<p>Complied with AD 2011-10-09 para (g) 1 thru 10. Due again 5319.7 or 12 months whichever is first. Complied with AD 2015-19-07 pers MSB 3426. Due again 5319.7. Replaced C IW 16260-10-43 clamps. Compression checked 1792 793 794 795. Replaced #1 rocker box chain back tube. Replaced starter ring gear SL72566. Test run for proper operation and to check for leaks.</p>				
<p>I certify that this engine has been inspected in accordance with <u>unannounced</u> inspection and was determined to be in airworthy condition.</p>				
<p>Dated: <u>10/8/2019</u> Total time <u>4208.2</u> hrs.</p>				
<p>Signed: <u>Steven F. Larson</u></p>				
<p>Certificate No: <u>FA551-504322</u></p>				

Steven F. Larson AHS551-504322

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60  
8705

YEAR 20 <u>20</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2/26/20	5244.5			changed oil/filter Tenpest AA8107-2 & 8 qts AeroSep (1 W. <sup>AP57313800IA</sup>

Quality Aero Maintenance  
 23987 N. Highway 99/P.O. Box 208  
 Acampo, CA PH: (209) 366-1040

**ENGINE**

N2086Q    Date: 11/2/20    Tach: 5261.1    TTAF: 5261.1  
 TT Engine: 4248.6    SMOH: 264.6

Annual/100Hour Inspection and service. Compression test: #1=70/80, #2=72/80, #3=69/80, #4=71/80. Clean, gap, and rotate spark plugs. Borescope cylinders. Check magneto timing. Clean fuel injectors and inlet fuel screen. Wash down engine and lube controls. CW AD 2015-19-07 inspected injector lines IAW para (e)(ii). Due again in 110 hours or system maintenance. AD list updated through ATP content revision 10/30/2020, none apply this date.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition.

*Robert R. Kempf*  
 Robert R. Kempf AP573173800IA



YEAR

20

DATE

Quality Aero Maintenance  
23987 N. Highway 99/P.O. Box 208  
Acampo, CA PH: (209) 366-1040

N2086Q

ENGINE  
Date: 11/19/21 Tach: 5327.1 TTAF: 5327.1  
TT Engine: 4314.6 SMOH: 330.6

Annual 100 Hour inspection and service. Compression test: #1=72/80, #2=77/80, #3=74/80, #4=76/80. Clean, gap, and rotate spark plugs. Borescope cylinders. Check magneto timing. Adjust timing to 25°. Clean fuel injectors and inlet fuel screen. Wash down engine and lube controls. Run up and check for leaks, none noted. CW AD 2015-19-07 inspected injector lines LAW para (c)(ii). Due again in 110 hours or system maintenance. AD list updated through ATP content revision 10/30/2020.  
I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition.

*RRK*  
Robert R. Kempf AP5731738001A


Quality Aero Maintenance  
23987 N. Highway 99/P.O. Box 208  
Acampo, CA PH: (209) 366-1040

ENGINE

N2086Q Date: 2/9/23 Tach: 5330.4 TTAF: 5330.4  
TT Engine: 4317.9 SMOH: 333.9

Annual/100Hour Inspection and service. Compression test: #1=72/80, #2=75/80, #3=72/80, #4=73/80. Clean, gap, and rotate spark plugs. Borescope cylinders. Check magneto timing. Clean fuel injectors and inlet fuel screen. Wash down engine and lube controls. Run up and check for leaks, none noted. CW AD 2015-19-07 inspected injector lines IAW para (e)(ii). Due again in 110 hours or system maintenance. AD list updated through ATP content revision 2/9/2023.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition.

*RTRM*  
Robert R. Kempf AP5731738001A

Technician or


YEAR  
20  
DATE

Quality Aero Maintenance  
23987 N. Highway 99/P.O. Box 208  
Acampo, CA PH: (209) 366-1040

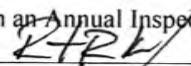
ician or

ENGINE

N2086Q Date: 4/2/24 Tach: 5411.2 TTAF: 5411.2  
TT Engine: 4398.7 SMOH: 414.7

Annual/100Hour Inspection and service. Change oil and filter. Cut open and inspect old filter. Install filter AA48103-2 and service with 8 quarts of Phillips X/C 20W-50. Compression test: #1=74/80, #2=72/80, #3=73/80, #4=75/80. Clean, gap, and rotate spark plugs. Borescope cylinders. Check magneto timing. Adjust magneto timing to 25°. Clean fuel injectors and inlet fuel screen. Wash down engine and lube controls. Run up and check for leaks, none noted. CW AD 2015-19-07 inspected injector lines IAW para (e)(ii). Due again in 110 hours or system maintenance. AD list updated through ATP content revision

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition.

  
Robert R. Kempf AP5731738001A




Tuesday

Wednesday

Thursday

2

Groundhog Day

3

4

5

33/332

9

YEAR

20

DATE

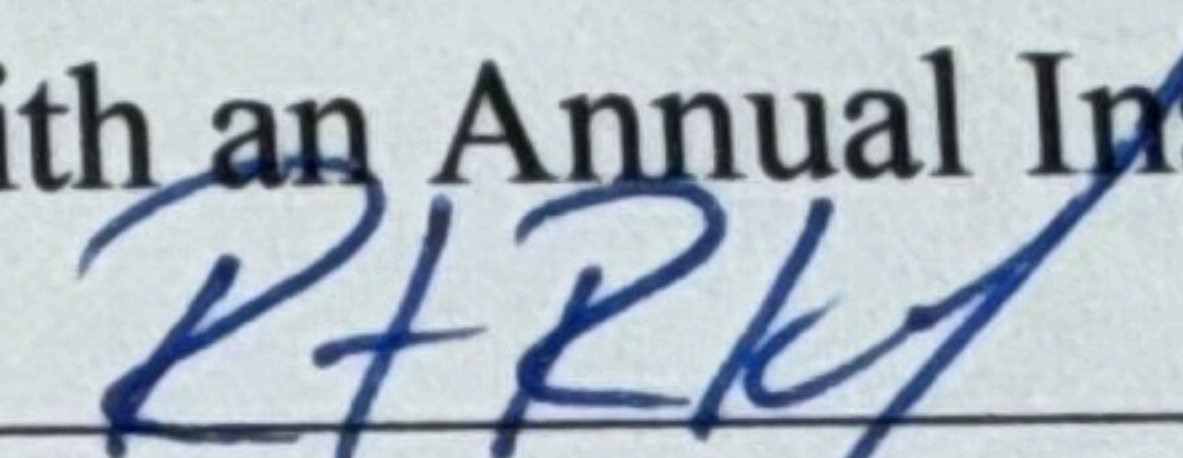
Quality Aero Maintenance  
23987 N. Highway 99/P.O. Box 208  
Acampo, CA PH: (209) 366-1040

ENGINE

N2086Q Date: 8/18/25 Tach: 5460.4 TTAF: 5460.4  
TT Engine: 4447.9 SMOH: 463.9

Annual/100Hour Inspection and service. Change oil and filter. Cut open and inspect old filter. Install filter AA48103-2 and service with 8 quarts of Phillips 20W-50. Compression test: #1=78/80, #2=76/80, #3=75/80, #4=76/80. Clean, gap, and rotate spark plugs. Borescope cylinders. Check magneto timing. Clean fuel injectors and inlet fuel screen. Wash down engine and lube controls. Run up and check for leaks, none noted. CW AD 2015-19-07 inspected injector lines IAW para (e)(ii). Due again in 110 hours or system maintenance. AD list updated through VTP content revision 5/14/2025.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition.

  
Robert R. Kempf AP573173800IA

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Presidents' Day (US

Eastern Orthodox Lent b

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55/310

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56/309

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