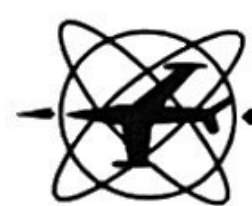




*The Standard*

# **ENGINE LOG**

**ASA-SE-1**



*The Standard*

# **ENGINE LOG**

**ASA-SE-1**

The Standard Engine Log  
SE-1

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ASA-SE-1

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P N R A S A - S E - 1



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### Engine Record General Information

Manufacturer LYCOMING Model IO-360-A1B6D

Serial L-16024-51A Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft 51386

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer recommended overhaul at \_\_\_\_\_ hours

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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**Pro-Flight Aviation, Inc.**

**500 W. Perimeter Rd. Renton, Wa. 98055**

03/18/96 Cessna 177RG Sn: 177RG1138 N: 51386 TTAF: 4847.6 TACH: 1150.1  
 Changed oil. Cut open and inspected filter for metal. None found. Installed new Pn: CH48103 filter and serviced with 8 quarts of Aeroshell W100. Operational and leak checks good on engine run up. END.

*Jeffrey L. Mitchell*  
 Jeffrey L. Mitchell  
 A&P53474808085


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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**Pro-Flight Aviation, Inc.**

**500 W. Perimeter Rd. Renton, Wa 98055**

09-13-96 Cessna 177RG N51386 Tach: 1219.2 TTAF: 4916.7

100 Hr inspection completed this date per cessna checklist. Compression results as follows: #1) 79/80 #2) 79/80 #3) 79/80 #4) 76/80, changed oil and filter-inspected old filter/ no metal found, serviced engine with 8 Qts Aeroshell W80 oil, cleaned and gapped spark plugs, repaired oil cooler baffle, replaced left cowl flap rubber bushing, replaced #1, #2, #4 fuel injector lines, replaced air intake filter, replaced 4 lord mounts, adjusted idle and mixture settings to specifications. Ran engine and checked for leaks- none found. All applicable A.D.'s complied with; see separate A.D. log. I certify that this engine has been inspected in accordance with a 100 Hr inspection and was found to be airworthy.

*Brian P. Crain*  
 Brian P. Crain A&P 576371236


DATE 19 <u>96</u>	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.)
9-13	1219.2			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY. — B.A. Paholke A&P 468781561 IA

**Pro-Flight Aviation, Inc.**  
500 W. Perimeter Rd. Renton, Wa. 98055

5-1-97 Cessna 177RG N51386 Tach: 1268.9

Changed oil. Checked filter for metal; none found. Installed new CH48103 filter and filled engine with 8 qts. of Aeroshell 100 oil. ran engine and checked for leaks. —end—

*Kris Johanson*  
Kris Johanson  
A&P 536809232

DATE 19 _____	<b>Pro-Flight Aviation, Inc.</b> 500 W. Perimeter Rd. Renton, Wa. 98055		r Repair
8-4-97	N51386	TACH: <u>1320.6</u>	
Annual inspection completed this date per Cessna forms. Compression test results: 1) 78/80 #2) 78/80 #3) 79/80 #4) 79/80. Changed oil and filter. Old filter inspected - no metal found. Serviced with 8 qts Aeroshell W100 oil. Removed and re-installed left muffler after repair by Pacific Aircraft Welders. Replaced dipstick O-Ring. All applicable A.D. notes complied with at this time - see A.D. compliance record. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was found to be airworthy. —End—			
<i>B.A. Paholke</i> B.A. Paholke IA468781561			
11-12-97	C-177RG N51386	TACH: <u>1370.9</u>	
Changed oil and filter. Old filter inspected - no metal found. Serviced with 7 qts Aeroshell W100 oil. —End—			
<i>B.A. Paholke</i> B.A. Paholke A&P 468781561			





**Pro-Flight Aviation, Inc.**  
500 W. Perimeter Rd. Renton, WA 98055

8-11-99 Cessna 177RG N51386 Tach: 1625

100 hr inspection completed this date per Cessna forms. Compression test results: #1) 75/80 #2) 77/80 #3) 77/80 #4) 79/80. Changed oil and filter. Inspected filter - no metal found. Serviced engine with 8 qts of Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Replaced induction air filter. Replaced both lower engine mounts. Replaced # 3 & #4 intake pipe gaskets. All applicable A.D. notes have been complied with at this time- see A.D. compliance record. I certify that this engine has been inspected in accordance with an 100 hr inspection and was found to be airworthy. -----END-----

*Jeffrey Hill*  
Jeffrey Hill  
A&P 616057017

8-11-99 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  
IN ACCORDANCE WITH AN ANNUAL INSPECTION AND  
WAS FOUND TO BE AIRWORTHY. *B.A. Paholke*  
*IA 468781561*

Plan or Repair

**Pro-Flight Aviation, Inc.**  
500 W. Perimeter Rd. Renton, WA 98055

10/4/99 Cessna 177RG N53186 Tach: 1676.8

Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8 qts Aeroshell W100 oil. -----END-----

*B.A. Paholke*  
B.A. Paholke  
A&P 468781561

pair

**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

DATE  
19\_\_

10/21/99 Cessna 177RG N51386

Tach: 1681.0

Replaced spark plugs with new RHM38E. ---END---

*B.A. Paholke*  
B.A. Paholke  
A&P 468781561

Repair

DATE  
19\_\_

5/5/2000 Cessna 177RG

N61786

Tach: 1726.0

Annual inspection completed this date per Cessna forms. Compression test results: #1) 67/80 #2) 77/80 #3) 7780 #4) 77/80. Changed oil and filter. Old filter inspected - no metal found. Cleaned, gapped, and rotated spark plugs. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. -END-

*B.A. Paholke*  
B.A. Paholke  
IA 468781561

Repair





**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

3/26/2002

Cessna 177RG

N51386

Tach: 2002.7

Changed oil and filter. Old filter inspected -no metal found. Serviced engine with 8 qts Aeroshell W 100 oil. ~~END~~



Michael Riter  
A&P 549753913

**Pro-Flight Aviation, Inc.**


500 W. Perimeter Rd. Renton, WA 98055

5/01/2002

Cessna 177RG N51386

Tach: 2013.9

Cleaned, gapped and rotated spark plugs. Replaced RH magneto points and condenser. Replaced impulse coupling. Adjusted magneto internal timing and re-installed. ~~END~~

  
B.A. Paholke  
A&P 468781561


**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

DATE  
19\_\_

5/16/2002 Cessna 177RG N51386 Tach: 164.4 Engine TT: 2020.1 SMOH:

100 hour inspection completed this date. Compression test results: #1) 70/80 #2) 74/80 #3) 78/80 #4) 76/80. Changed oil and filter. Old filter inspected - no metal found. Serviced with 8qts Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Patched crack #2 cylinder baffling. Replaced #3 intake riser. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with a 100-hour inspection and was found to be airworthy. ~~END~~

  
Aaron Jo-Nes  
A&P 480840890

5/16/02 2020.1

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  
I AW AN ANNUAL INSPECTION + WAS FOUND TO  
BE AIRWORTHY. B.A. Paholke IA 468781561



**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

\_\_\_\_\_  
Mechanic or Repair

9/29/2002

Cessna 177RG

N51386

Tach: 2140.0

Changed oil and filter. Old filter inspected -no metal found. Serviced engine with 8 qts  
Aeroshell W 100 oil. -----END-----



Michael Riter  
A&P 549753913

**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

\_\_\_\_\_  
Mechanic or Repair

11/05/2003

Cessna 177RG

N51386

Tach: 2167.2

Changed oil and filter. Old filter inspected -no metal found. Serviced engine with 8 qts  
Aeroshell W 100 oil. -----END-----



Michael Riter  
A&P 549753913

**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

Cessna 177RG

N51386

Tach: 2129.4

09/22/2003

Changed oil filter. Old filter inspected -no metal found. -----END-----

*James Hernandez*

James Hernandez  
A&P 537468113

Technician or Repair

**Pro-Flight Aviation, Inc.**

500 W. Perimeter Rd. Renton, WA 98055

1/28/2004

Cessna 177RG N51386

Tach: 2215.8

ETT: 3819.4

SMOH: 100.8

Technician or Repair

Annual inspection completed this date per Cessna forms. Compression test results #1) 79/80 #2) 78/80 #3) 78/80 #4) 78/80. Changed oil and filter. Old filter inspected- no metal found. Serviced engine with 7 qts Aeroshell W100 oil. Cleaned, gapped, and rotated spark plugs. Replaced #1 and #3 exhaust risers and gaskets. Repaired both P- leads. Adjusted alternator belt tension. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with a Annual inspection and was found to be airworthy.

-----END-----

*B.A. Paholke*

B.A. Paholke  
IA 468781561

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

Technician or Repair

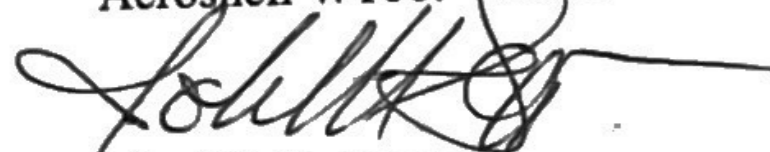
5/24/2004

Cessna 177

N51386

Tach: 2264.5

Changed oil and filter. Old filter inspected- no metal found. Serviced engine with 8 qts. Aeroshell W100. ~~END--~~



John M. Sawczyn  
A&P 566710045

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

Technician or Repair

2/4/2005

Cessna 177RG N51386

Tach: 2306.0

ETT: 3909.6

SMOH: 191.0

Annual inspection completed this date per Cessna forms. Compression test results #1) 75/80 #2) 78/80 #3) 76/80 #4) 78/80. Changed oil and filter. Old filter inspected- no metal found. Serviced engine with 8 qts Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Installed new #2 exhaust riser. Patched baffle as needed. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. -----END-----



Michael Riter  
IA 549753913

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

7/26/2005

Cessna 177RG

N51386

Tach: 2365.6

Installed new crankshaft seal P/N LW13792.

—END—



Michael Riter  
A&P 549753913

Technician or Repair

DATE

19\_\_

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

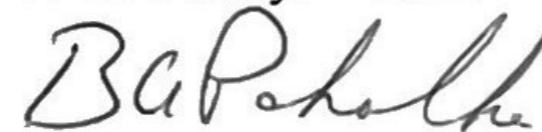
3/23/2006 Cessna 177RG

N51386

Tach: 2404.2

Engine TT: 4007.8 SMOH 289.2

Annual inspection completed this date. Compression test results: #1) 75/80 #2) 74/80 #3) 74/80 #4) 78/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8qts Aeroshell W100 oil. Replaced exhaust gaskets. Cleaned, gapped and rotated spark plugs. Ground run and leak check O.K. . All applicable A.D.s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. —END--



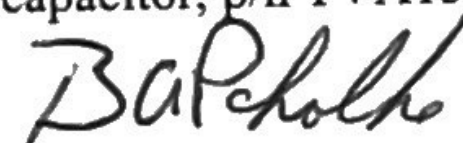
B.A. Paholke  
IA 468781561

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

6/20/2006 Cessna 177RG N51386 Tach:2453.0

Changed oil and filter. Old filter inspected - no contamination found. Serviced engine with 8qts Aeroshell W100 oil. Replaced alternator circuit breaker, overvoltage sensor, p/n OS-60, and capacitor, p/n TVA1315. Run up and leak check O.K.--END--



B.A. Paholke  
A&P 468781561

Technician or Repair

DATE

19\_\_

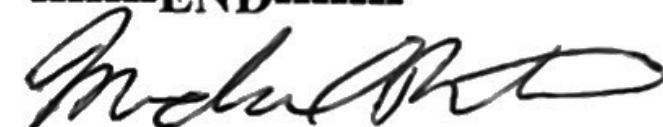
**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

3/1/2007 Cessna 177RG N51386 Tach: 2504.2 ETT: 4107.8 SMOH: 389.2

Annual inspection completed this date. Compression test results #1) 78/80 #2) 76/80 #3) 78/80 #4) 75/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8 qts Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Replaced starter. Replaced LH muffler. Replaced alternator mounting bracket. Patched baffle as needed. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy.

-----END-----



Michael Riter  
IA 549753913

Technician or Repair

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

7/17/2007 Cessna 177RG N51386 Tach: 2561.0

Changed oil and filter. Oil filter inspected - no metal found. Serviced engine with 8qts Aeroshell W100 oil. Cleaned spark plugs. -----END-----

*Markus Bosch*

Markus Bosch  
A&P 3139438

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

7/30/2007 Cessna 177RG N51386 Tach: 2570.7

Cleaned spark plugs. Replaced #1 lower plug with new RHM38E. Replaced #3 lower spark plug lead with new p/n M-7502-72. -----END-----

*Michael Riter*

Michael Riter  
A&P 549753913

Technician or Repair

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

8/31/2007 Cessna 177RG N51386 Tach: 2588.7

Replaced vacuum pump with overhauled part from Aero Accessories p/n 215CC, s/n 53551. Replaced crankshaft seal. Washed engine with solvent. -----END-----

*Markus Bosch*

Markus Bosch  
A&P 3139438

Technician or Repair

# Pro-Flight Aviation, Inc.

243 W. Perimeter Rd. Renton, WA 98055

2/15/2008 Cessna 177RG N51386 Tach: 2597.6 ETT: 4201.2 SMOH: 482.6

Annual inspection completed this date. Compression test results #1) 76/80 #2) 76/80 #3) 74/80 #4) 75/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8 qts Aeroshell 100 mineral oil. Cleaned, gapped and rotated spark plugs. Removed engine and sent case halves to ECI for repair - see yellow tag. Reassembled engine using new gasket kit. New 4 each main bearing p/n AEL11021, 2 each thrust bearing p/n AEL13884, 4 each through studs p/n 76220-PO2. Honed and replaced piston rings in #3 cylinder. Replaced #4 cylinder oil return line. Replaced oil dipstick housing. Reinstalled exhaust system after repair by AWI. Patched baffle as needed. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. -----END-----



Michael Riter  
IA 549753913

Technician or Repair

DATE  
19\_\_

3/17/2008

Cessna 177RG

N51386

Tach: <sup>2608.1</sup>~~5824.5~~<sup>ma</sup>

Technician or Repair

Oil filter inspected -no metal found. -----END-----



Michael Riter  
A&P 549753913

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

7/24/08

Cessna 177RG

N51386

Tach: 2647.2

Changed oil and filter. Oil filter inspected - no metal found. Serviced engine with 8qts Aeroshell W100 oil. Removed and reinstalled #2 cylinder to replace cylinder base gasket.

-----END-----



Michael Riter  
A&P 549753913

Technician or Repair

D  
1

**Pro-Flight Aviation, Inc.**

243 W. Perimeter Rd. Renton, WA 98055

Technician or Repair

3/23/2009 Cessna 177RG

*N51386 MR*

~~N8946V~~

Tach: 2692.2 ETT: 4295.8

SMOH: 577.2

Annual inspection completed this date. Compression test results #1) 72/80 #2) 72/80 #3) 75/80 #4) 78/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8 qts Aeroshell W100 oil. Cleaned, gapped and rotated spark plugs. Tightened dip stick housing. Replaced #1 exhaust riser and gasket. All applicable A.D.'s complied with - see A.D. compliance record. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. -----END-----



Michael Riter  
IA 549753913



