

AMERITECH INDUSTRIES

Exceeding your expectations with every flight™

N 51386

Front Rear
Left Right



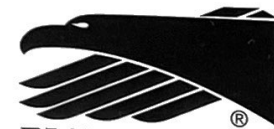
AMERITECH INDUSTRIES

Exceeding your expectations with every flight™

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FAA REPAIR STATION #NO3R717L

E-mail: serviceengine@ameritechind.com



EAGLE ENGINES
A DIVISION OF AMERITECH INDUSTRIES, INC.

ENGINE LOGBOOK

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057
12/14/2011	N51386 2805.5 Tach 6409.2 ACTT 690.5 SMOH 4409.1 TTE	This engine s/n L-16024-51A installed on Cessna s/n 177RG1138 (N51386) IAW Cessna service manual, following inspection/repair per Eagle Engines w/o 14320-10-2011 (see previous log entry). Verified correct rigging and function of all engine controls. *Serviced w/ 8qts AeroShell Oil 100 non-comp. *Installed new REM40E sparkplugs (x8). *Propeller governor s/n 794947 OH'd per Ameritech Industries w/o 14327-10-2011 and reinstalled. *Fuel servo s/n 1126638 reinstalled (690.5 SOH). *Vacuum pump s/n 53551 reinstalled (216.8 TSN). *Magneto s/n <i>R1060407 D4LN2021</i> inspected and reinstalled (TT Unk) w/ new cover/harness assembly (Skytronics p/n A38-10BS). Starter reinstalled as removed (TT Unk). **Annual Inspection and Maintenance c/w this date. *AD's researched through revision 2011-25 (see previous log entry for compliance). *Details of other minor maintenance performed are on file at Pro Flight Aviation under N51386 and this date. *Post inspection run up, leak and function checks all normal. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be airworthy. <i>Chris Edwards</i> Chris Edwards A&P 3461422 EA
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057
4/16/2012	Cessna C-177RG N51386 Tach 2829.0	Repaired LH P-lead terminal end at magneto (re-soldered). Removed magneto for replacement of LH breaker point assembly with new p/n 10-382585. Set internal magneto timing IAW TCM Magneto Master Service Manual. Reinstalled magneto and timed to engine. Run up, leak and function checks completed....OK. Aircraft approved for return to service. <i>Chris Edwards</i> Chris Edwards A&P 3461422
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057
4/24/2012	Cessna C-177RG N51386 Tach:2831.4	Changed engine oil and filter. Old filter inspected: contaminants suitable for first 25hrs of operation. Serviced engine with 8 quarts AeroShell W100. Serviced spark plugs. Replaced CHT probe with new, Run up and leak check OK. ----- END ----- <i>Levi Lowe</i> Levi Lowe A&P 3503376

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
6/25/2012	Cessna C-177RG N51386 Tach:2855.0	Changed engine oil and filter. Old filter inspected: no metal found. Serviced engine with 8 quarts AeroShell W100. Serviced spark plugs. Tightened alternator belt. Run up and leak check OK. ----- END ----- <i>Levi Lowe</i> Levi Lowe A&P 3503376
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057
August 17, 2012	Cessna 177RG N51386 09.5 Tach 789.8 SMOH 4508.4 TTE	Annual Inspection and Maintenance performed per CFR 14 Part 43 Appendix D, as applicable, and local checklist. All controls inspected and lubed. Oil and filter changed.....serviced w/ 8 Qts AeroShell W100. Old filter element inspected for contaminants...OK. Serviced and rotated all sparkplugs. Checked magneto to engine timing...OK. Compression check: 1)78/80 2)78/80 3)74/80 4)76/80. **Removed #2 cylinder assemble for replacement of upper forward base stud w/new. Re installed w/ new seals and gaskets. Retorqued all cylinder base nuts per Lycoming Overhaul Manual. *Airworthiness Directives researched through revision 12-16. See previous records for compliance. AD 08-14-07 "Fuel Injection Lines" c/w visual....n/d/n...next due 109.5 Tach. *Post inspection run up, leak and function checks all normal. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be Airworthy. -END- <i>Chris Edwards</i> Chris Edwards A&P 3461422 EA
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057
10/04/2012	Cessna C-177RG N51386 Tach:0041.0	Fabricated and installed new #2 cyl baffle and baffle repair bracket to LH forward baffling near airfilter.--- END --- <i>Levi Lowe</i> Levi Lowe A&P 3503376
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057
10/26/2012	Cessna C-177RG N51386 Tach:0057.8	Changed engine oil and filter. Old filter inspected: OK. Serviced engine with 8 quarts AeroShell W100. Serviced spark plugs. Run up and leak check OK. ----- END ----- <i>Russell Haley</i> Russell Haley A&P 3552852

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. #1 Renton, WA 98057

DATE

2/13/2013 Cessna 177RG N51386 Tach:108.5 SMOH:888.8 ETT:4607.4

100 hour inspection completed. Changed engine oil/filter, inspected old filter-no metal found. Serviced engine with 8 quarts Aeroshell W100. Replaced magneto RH and LH contact points with new. Internally timed magneto and reinstalled with new gasket and set engine timing. Replaced #1 top spark plug with new. Cylinder compressions #1-79/80 #2-78/80 #3-78/80 #4-78/80. All applicable A.D.s complied with - see A.D. compliance record. I certify that this aircraft has been inspected in accordance with an 100 hour inspection and was found to be airworthy. --END--

R. Haley
Russell Haley
A&P 3552852

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. #1 Renton, WA 98057

6/12/2013 Cessna C-177RG N51386 Tach: 0141.7

Replaced magneto S4LN-2021, p/n 10-382555-11, s/n R 1060407 with overhauled magneto from Kelly Aerospace w/o# KES1304.59, D4LN-3000, p/n 10-382555-11R, s/n B-04061. Verified correct internal timing and set mag-to-engine timing. Replaced both condensers with new. Serviced spark plugs. Run up and operation check OK.--- END ---

Levi Lowe
Levi Lowe
A&P 3503376

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. #1 Renton, WA 98057

7/15/2013 Cessna C-177RG N51386 Tach:159.0

Changed engine oil and filter. Old filter inspected: OK. Serviced engine with 8 quarts AeroShell W100. Serviced spark plugs. Run up and leak check OK. ----- END -----

R. Haley
Russell Haley
A&P 3552852

2/13/2013 Cessna 177RG N51386 Tach:108.5

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

e No. _____

WORK

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057 March 14, 2014 Cessna 177RG N51386 <u>203.8 Tach</u> <u>984.1 SMOH</u> <u>4702.7 TTE</u> Annual Inspection and Maintenance performed per CFR 14 Part 43 Appendix D, as applicable, and local checklist. All controls inspected and lubed. Compression check: 1)78/80 2)77/80 3)76/80 4)78/80. Oil and filter changed.....serviced w/ 8 Qts Aeroshell W100. Old filter element inspected for contaminants...OK. Serviced and rotated all sparkplugs. Checked magneto to engine timing...OK. *Replaced #3 injector line w/new p/n LW12098-0-140. *Airworthiness Directives researched through revision 2014-04 (see compliance listing elsewhere in records). *Details of other minor maintenance performed-ire on file at Pro Flight Aviation under N51386 and this date. *Post inspection run up, leak and function checks all normal. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be Airworthy. -END- <i>C.O. Edwards</i> Chris Edwards A&P 3461422 IA
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057 May 12, 2014 Cessna 177RG N51386 <u>237.1 Tach</u> <u>1017.4 SMOH</u> Serviced and rotated all sparkplugs. Run up and function checks normal. -END_ <i>C.O. Edwards</i> Chris Edwards A&P 3461422 IA
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057 7/3/2014 Cessna C-177RG N51386 Tach:<u>255.5</u> Changed engine oil and filter. Old filter inspected: OK. Serviced engine with 8 quarts AeroShell W100. Serviced spark plugs. Replaced #1 bottom plug. Run up and leak check OK. ----- END ----- <i>Levi Lowe</i> Levi Lowe A&P3503376
		Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057 10/17/2014 Cessna 177RG N51386 Tach:<u>300.0</u> SMOH: ETT: 100 hour inspection completed. Changed engine oil/filter, inspected old filter-no metal found. Serviced engine with 8 quarts Aeroshell W100. Cylinder compressions #1-79/80 #2-79/80 #3-78/80 #4-79/80. Replaced #4 intake gasket. All applicable A.D.s complied with - see A.D. compliance record. I certify that this aircraft has been inspected in accordance with an 100 hour inspection and was found to be airworthy. --END-- <i>Levi Lowe</i> Levi Lowe A&P3503376

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

10/17/2014 Cessna 177RG N51386 Tach:300.0 SMOH: 1080.3 ETT: 4798.9

Annual inspection completed this date. 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
A&P 468781561 IA

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. #1 Renton, WA 98057

6/8/2015 Cessna 177RG N51386 Tach: 354.1

Changed engine oil and filter. Old filter inspected: no metal found. Serviced engine with 8 qts AeroShell W100. Serviced spark plugs. Run up and leak check OK. --END--

Russell Haley
Russell Haley
A&P 3552852

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. #1 Renton, WA 98057

6/18/2015 Cessna C-177RG N51386 Tach:362.9

Replaced engine driven fuel pump with overhauled, p/n LW15473 (Aero Accessories, w/o I08WC-0000 s/n 08WC25). Installed with new gasket and O-rings. Function and leak check - OK. ---END -

Levi Lowe
Levi Lowe
A&P3503376

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

10/12/2015 Cessna 177RG N51386 Tach:399.1 SMOH: 1179.4 ETT: 4898.0

Annual inspection completed this date. Compression test results: 1) 75/80, 2) 77/80, 3)74/80, 4) 78/80. Changed engine oil and filter. Inspected old filter: no metal found. Installed Sea new Tempest UREM40E spark plugs. Serviced fuel injector nozzles. Replaced #2 & #4 cylinder intake tubes (78742 & 78744) and associated seal/gaskets. Installed new oil dip stick o-ring. Washed engine and lubed engine controls. Run up and leak check - OK. 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
A&P 468781561 IA

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

3/22/2016 Cessna 177RG N51386 Tach: 0477.7

Changed engine oil and filter. Old filter inspected: No metal found. Serviced engine with 8 qts W100. Serviced and rotated spark plugs. -----END-----

Levi Lowe
Levi Lowe
A&P 3503376

No. _____

WORK

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

8/12/2016 Cessna 177RG N51386 Tach:497.0 SMOH: 1277.3 ETT: 4995.9

Annual inspection completed this date. Compression test results: 1) 75/80, 2) 76/80, 3)77/80, 4) 77/80. Changed engine oil and filter. Inspected old filter: no metal found. Serviced and rotated spark plugs. Replaced #1 cylinder injector line. Adjusted idle mixture. Run up and leak check - OK. 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
A&P 468781561 IA

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

8/25/2017 Cessna C-177RG N51386 Tach:551.9

Changed engine oil and filter. Old filter inspected - No metal found. Serviced with 8qts AeroShell W100. Replaced dipstick tube O-ring. Serviced and rotated spark plugs. Run-up and leak check - OK. ----- END -----

Levi Lowe
Levi Lowe
A&P 3503376

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

9/29/2017 Cessna 177RG N51386 Tach:556.3 SMOH: 1336.6 ETT: 5055.2

Annual inspection completed this date. Compression test results: 1) 74/80, 2) 78/80, 3)76/80, 4) 76/80. Exhaust system removed and reinstalled after insp/repair by Aerospace Welding. Replaced #4 injector nozzle with new (LW-18265). Replaced #3 induction tube gasket. Run up and leak check - OK. 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--

Levi Lowe
Levi Lowe
IA 3503376

Pro-Flight Aviation, Inc.

750 W. Perimeter Rd. Renton, WA 98057

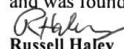

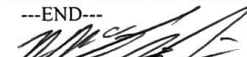

10/01/2018 Cessna 177RG N51386 Tach:560.6 SMOH: 1340.6 ETT: 5059.5




Annual inspection completed this date. Compression test results: 1) 78/80, 2) 76/80, 3)76/80, 4) 77/80. Changed engine oil and filter. Old filter inspected: No metal found. Serviced with 8qts W100. Removed vacuum pump and installed block-off plate. Run up and leak check - OK. 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--

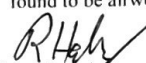
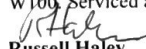

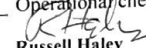
B.A. Paholke
B.A. Paholke
IA 468781561





No. _____

WORK

DATE	RE MI	IK
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057		
11/01/2019	Cessna 177RG N51386 Tach: <u>606.1</u> SMOH: <u>1386.1</u> ETT: <u>5105</u>	
Annual inspection completed this date. Compression test results: 1) 70/80, 2) 74/80, 3)73/80, 4) 75/80. Changed engine oil and filter. Old filter inspected: No metal found. Serviced with 8qts W100. Washed engine as needed. Run up and leak check - OK. 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--  Russell Haley IA 3552852		
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057		
06/17/2020	Cessna 177RG N51386 TACH: 632.9	
Replaced Hartzell starter (P/N: MZ-4222R S/N: H-0101809) with new Skytec starter (P/N: 149NL S/N: H-U010170). Operational check found ok. Replaced engine cowling mount with new. ---END---  R. J. McLaughlin A&P 4260730		
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057		
9/8/2020	Cessna 177RG N51386 TACH: 658.9	
Changed oil and filter. Old filter cut open and inspected - no metal found. Serviced engine with 8qts of Aeroshell W100 oil. Cleaned, gapped, and rotated spark plugs. Run up and leak check found ok. ---END---  R. J. McLaughlin A&P 4260730		
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057		
12/28/2020	Cessna 177RG N51386 Tach: <u>668.3</u> ETT: <u>5167.2</u> SMOH: <u>1448.3</u>	
Annual inspection completed this date. Compression test results: #1) 78/80 #2) 74/80 #3) 76/80 #4) 71/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8qts Aeroshell W-100 oil. Cleaned, gapped and rotated spark plugs. Adjusted idle speed and mixture as needed. Replaced points in magneto, set internal timing and reinstalled magneto. 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. Pahalke IA 468781561		

DATE	WORK
4/27/2021	Cessna 177RG N51386 TACH: 726.6
Changed oil and filter. Old filter cut open and inspected - no metal found. Serviced engine with 8qts of Aeroshell W100 oil. Cleaned, gapped, and rotated spark plugs. Run up and leak check found ok. ---END---  R. J. McLaughlin A&P 4260730	
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057	
7/2/2021	Cessna 177RG N51386 Tach: <u>763.9</u> ETT: <u>5262.8</u> SMOH: <u>1543.9</u>
Annual inspection completed this date. Compression test results: #1) 72/80 #2) 76/80 #3) 72/80 #4) 69/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8qts Aeroshell W-100 oil. Cleaned, gapped and rotated spark plugs. Serviced fuel injectors. Replaced #1 and #3 fuel injection nozzles. Adjusted idle speed and mixture as needed. Adjusted magneto to engine timing. 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. Pahalke IA 468781561	
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057	
01/12/2022	Cessna C-177RG N51386 Tach: <u>811.6</u>
Performed 50 HR inspection. Oil change done and installed new oil filter. Opened old oil filter and found no loose metal particles. Added 8 QTS W100. Installed new spark plugs. Checked tire pressures, both MGs at 68 PSI and nose gear is at 31 PSI. Breaks and tire condition is good. All controls lubricated. --END--  J.R. Fish A&P 4529876	

DATE	Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057			WORK
7/28/2022	Cessna 177RG	N51386	Tach:864.2 ETT:5363.1 SMOH:1644.2	
Annual inspection completed this date. Compression test results: #1) 70/80 #2) 75/80 #3) 65/80 #4) 76/80. Changed oil and filter. Old filter inspected - no metal found. Serviced engine with 8qts AeroShell W-100 oil. Cleaned, gapped and rotated spark plugs. Replaced dipstick o-ring. Solvent washed engine. Retorqued oil sump hardware. Reset magneto internal timing and timed magneto to engine. 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---				
 Russell Haley IA3552852				
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057				
2/13/2023	Cessna	C-177RG	N51386 Tach:913.5	
Changed engine oil and filter. Old filter inspected - No metal found. Serviced with 8qts AeroShell W100. Serviced and rotated spark plugs. Run-up and leak check - OK. ----- END -----				
 Russell Haley A&P 3552852				
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057				
5/9/2023	Cessna 177RG	N51386	TACH: 945.7	
Replaced 8 spark plugs with UREM 40E. operational check ok. ---END---				
JIHUN YOON A&P 4656073 				
Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. #1 Renton, WA 98057				
5/19/2023	Cessna 177RG	N51386	TACH: 948.3	
Replaced magneto with overhauled unit p/n 10-382555-11 s/n L-03154. Set magneto to engine timing. Operational check OK. ---END---				
 Russell Haley A&P 3552852				

DATE	Pro-Flight Aviation, Inc. 750 W. Perimeter Rd. Renton, WA 98057			WORK						
12/1/2023	Cessna 177RG	N51386	Tach:962.8 ETT:5461.7 SMOH:1742.8							
Annual inspection completed this date. Compression test results: #1) 76/80 #2) 80/80 #3) 72/80 #4) 72/80. Changed oil and filter - old filter inspected- no metal found. Serviced with 8qts AeroShell W100 oil. Cleaned, gapped and rotated spark plugs. Installed serviceable cabin heat shroud. Replaced #1 Intake 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 -----										
 B.A. Paholke IA468781561										
<table border="1" data-bbox="1492 654 2094 957"> <tr> <td colspan="2">N51386 Cessna 172RG S/N 177RG1138 Engine</td> </tr> <tr> <td>08/20/2024</td> <td> Drained oil and performed Lycoming Oil Control Ring Wash. Replaced oil filter with AA48110-2 and safetied. Added 7 quarts AeroShell W100. Cleaned and rotated spark plugs. Runup and leak check ok. Compression check 1)71/80 2)72/80 3)78/80 4)68/80. I certify that maintenance performed to this aircraft is in airworthy condition return to service. </td> </tr> <tr> <td colspan="2">  Loren Ahrens A&P Pending </td> </tr> </table>					N51386 Cessna 172RG S/N 177RG1138 Engine		08/20/2024	Drained oil and performed Lycoming Oil Control Ring Wash. Replaced oil filter with AA48110-2 and safetied. Added 7 quarts AeroShell W100. Cleaned and rotated spark plugs. Runup and leak check ok. Compression check 1)71/80 2)72/80 3)78/80 4)68/80. I certify that maintenance performed to this aircraft is in airworthy condition return to service.	 Loren Ahrens A&P Pending	
N51386 Cessna 172RG S/N 177RG1138 Engine										
08/20/2024	Drained oil and performed Lycoming Oil Control Ring Wash. Replaced oil filter with AA48110-2 and safetied. Added 7 quarts AeroShell W100. Cleaned and rotated spark plugs. Runup and leak check ok. Compression check 1)71/80 2)72/80 3)78/80 4)68/80. I certify that maintenance performed to this aircraft is in airworthy condition return to service.									
 Loren Ahrens A&P Pending										