

Engine Maintenance Records

Log Number:	
Aircraft Registration Number:	
Engine Manufacturer:	Lycoming
Model:	IO-360-A1B6D
Serial Number:	L-30167-S1E
Date Installed on Aircraft:	
Time Between Overhauls:	2000 hours
Engine Position:	

The Power of Experience



Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.
315-536-2333

FAA Repair Station: Y2GR396Y
www.PennYanAero.com

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Page: 1
				<i>Balance Forward</i>	
				This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302. Installed new Lycoming P/N: 05K21120 cylinder kits at this time.  Authorized Signature Our WO# 54256-20 Dated 2/4/2021 Engine Model IO-360-A1B6D Serial Number L-30167-51E This engine has been overhauled to Zero Time Tolerances by Penn Yan Aero Previous Time in Service 3908.0  Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 Telephone: 1-315-536-2333 www.pennyanero.com FAA Approved Repair Station: Y2GR396Y	
					Totals – Carry Forward





Date: 6/25/2021; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 4979.20; Total Time: 4979.20
 *Removed engine IO-360-A1B6D, s/n L-13327-51A and installed overhauled engine IO-360-A1B6D, s/n L-30167-51E with total time 3908.0, TSOH 0. Installed new engine lord mounts p/n J9613-59 and bolts, reinstalled exhaust system with new gaskets, installed new Airforms Inc. engine baffles p/n C177RG-7578BRBK and sealed, installed overhauled alternator p/n DOFF10300J with new belt p/n S1597-1-3
 *Replaced the engine hoses with new PHT, Inc. hose kit p/n 111F417-4S0184, 111F417-6S0272, 124F001-3CR0464, 124V001-6CR0120, 124V001-3CR0125, 124V001-6CR0296. Leak checked all hoses with none noted.
 *Removed oil cooler and shipped to Pacific oil cooler for overhaul p/n 8406J, s/n 2047. Received overhauled oil cooler same part and serial number and installed to aircraft. (see 8130)
 *Removed engine exhaust bracket, alternator bracket, baffle support rods, oil cooler air scoop. Cleaned, treated, primed and painted. Reinstalled as removed from engine.
 *Removed various clamps from engine mount. Inspected, cleaned, primed and painted engine mount. Reinstalled clamps and replaced as necessary.
 *Removed and replaced the power and ground wires from the cabin circuit breaker out to the alternator. Operationally tested good.
 *Cleaned two areas on the engine and installed two new reiff hot strip heating pads p/n 14, IAW manufacturer's Instructions. Operationally checked good.
 *Cleaned burned oil from both exhaust heat shrouds as required.
 *Treated the new Airforms engine baffles with etch and alodine. Removed the induction air box from the old baffle and cleaned, treated with etch and alodine. *Riveted the induction air box to the new baffle.
 *Fabricated a new cross over exhaust heat deflector using stainless and monel rivets. Reused original brackets in same locations. Work accomplished per AC43-13-1B Sec 4.
 *Removed old EGT and CHT probes and installed new CHT probes p/n 2856, 2852, EGT probes p/n 2870. operationally checked good.
 *Repaired the engine air inlet plenums brackets.

Signature: Glenn Ducharme
 Date: 06/25/2021, W/O: 17541
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y



Date: 10/05/2021; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 226.10; Tach: 4975.20; Total Time: 4975.20
 Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the 177RG Maintenance Manual.
 *Overhauled engine installed see Infinity Aviation work order 17541 for list of work and parts installed.
 *Performed engine ground run break-in procedure IAW Penn Yan Aero and Lycoming Break-In Instructions. Break-in flight will be accomplished by the customer.
 I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Glenn Ducharme
 Date: 10/05/2021, W/O: 117690
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

Tach or Recording Meter Tm												
	Twin City Airmotive Inc (KFIT) Fitchburg, MA 01420 tel: 978-342-8700 Twincity98@verizon.net											
Total Time Since Overhaul	Date: 7/5/2022		Hobbs: 2267.1		Tach: 4984.9		N 45193		Engine Repairs			
	Compression Test X/80		#1: 77	#2: 76	#3: 76	#4: 75	#5: ---	#6: ---				
	Engine SMOH:								Airframe Serial #: 177RG1096			
	Performed the following repairs utilizing the manufacturer's maintenance manuals:											
Total Time In Service	1. Performed compression checks on engine with the following results: #1- 77/80, #2- 76/80, #3- 76/80, #4- 75/80. 2. Removed oil filter and cut open to inspect for contaminants with none noted. Installed a new filter P/N CH48103-1. -----END----- Mark Maljanian A&P 33545223											
Date												

[illegible]



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

TACH: 5049.1

SMOH:

SER NO. 177RG1096

- (1) Performed Annual inspection in reference to Part 43 Appendix (D) and Lycoming Operator's Manual 0-360 and Associated Models.
- (2) Compression test complete: #1) 80/80; #2) 78/80; #3) 78/80; #4) 80/80.
- (3) Serviced engine oil/cut filter and inspected. No defects found. Cleaned, gapped, and test spark plugs. Checked muffler and exhaust for cracks and leaks.
- (3) Checked magneto timing. Changed oil and filter, serviced with 8 qts Phillips XC20-W-50 and Tempest Oil. Filter PN 48103-2. Inspected oil & Fuel lines. No defects found.
- (4) Post inspection engine run complete with no defects found. Reviewed **Biweekly 2024-09** and complied with C/W AD **2015-19-07** Inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G. Next due Tach:5159.1 TIS or Next Annual
- (5) I certify that this engine has been inspected in accordance with a 100 hr/annual inspection and was found to be in an airworthy condition.

Signature:



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

TACH: 5086.40

SMOH:

SER NO. 177RG1096

- (1) Performed Annual inspection in reference to Part 43 Appendix (D) and Lycoming Operator's Manual 0-360 and Associated Models.
- (2) Compression test complete: #1) 50/80; #2) 80/80; #3) 76/80; #4) 76/80
- (3) Serviced engine oil/cut filter and inspected. No defects found. Cleaned, gapped, and test spark plugs. Checked muffler and exhaust for cracks and leaks. Drained and cleaned gascolator.
- (3) Checked magneto timing. Changed oil and filter. serviced with qts and Tempest Oil. Filter PN 48103-2. Inspected oil & Fuel lines. No defects found.
- (4) Post inspection engine run complete with no defects found. Reviewed **Biweekly 2025-11** and complied with C/W AD **2015-19-07** Inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G. Next due Tach:5186.40 TIS or Next Annual
- (5) I certify that this engine has been inspected in accordance with an 100 hr/annual inspection and was found to be in an airworthy condition.

Signature:

Tach or
Recording
Meter Time

	Total Time Since Overhaul
100%	100%
90%	80%
80%	60%
70%	40%
60%	20%
50%	10%
40%	5%
30%	3%
20%	2%
10%	1%
0%	0%

Total Time
In Service

Date _____

Totals – Carry Forward