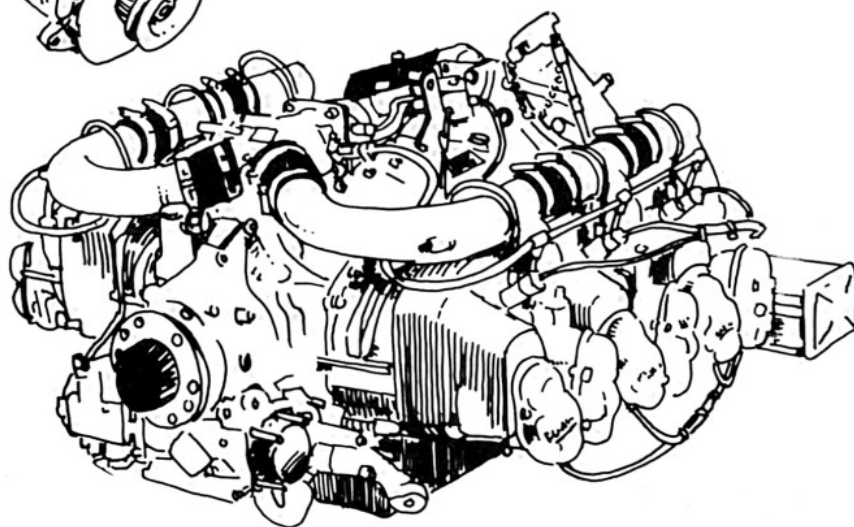
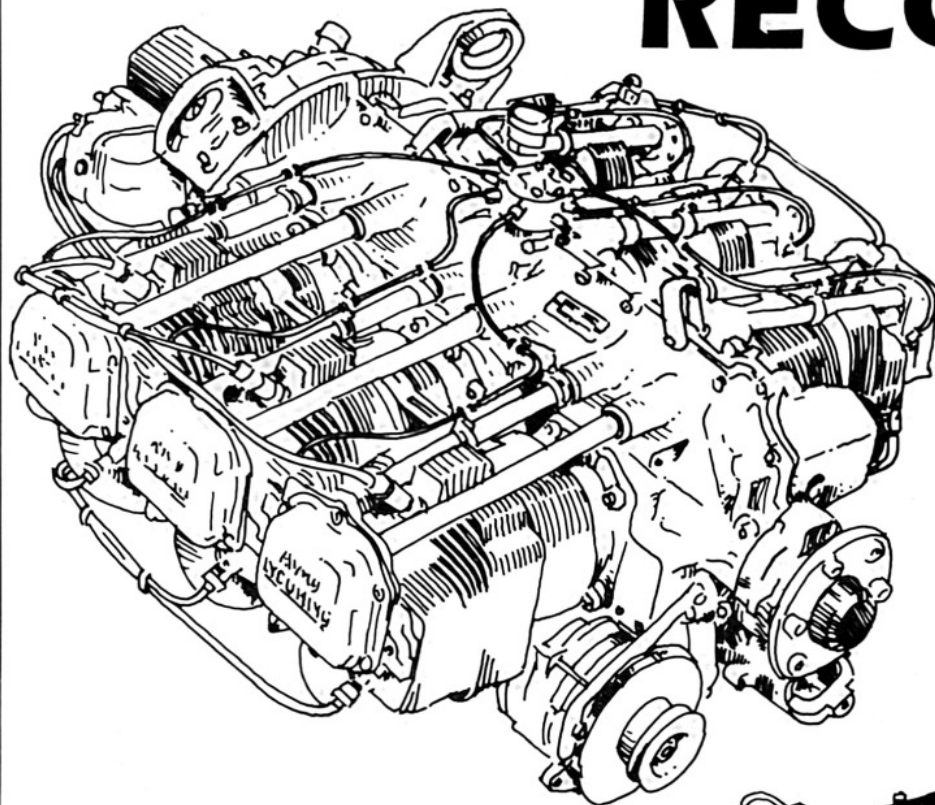


# ENGINE MAINTENANCE RECORDS



**1-800 624-6680**

(In NY 516-298-8330)

**MATTITUCK AVIATION CORPORATION**  
410 AIRWAY DRIVE, MATTITUCK, NY 11952

## MATTITUCK AIRBASE, INC. / Limited Piston Engine Warranty

Effective 2/5/88, Mattituck Airbase, Inc., (hereinafter called "MAB"), makes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

**WARRANTY COVERAGE** - For a period of six (6) months after date of delivery to customer, or 240 hours of operation, whichever occurs first, MAB shall repair or replace, at its option, any aircraft engine, accessory, or part which is found to be defective, to MAB's satisfaction, within said warranty period.

For engine warranty after six (6) months from date of delivery to customer and prior to the expiration of the original manufacturer's recommended time between overhaul ("TBO"), the cost of repair or replacement (including the cost of parts and labor), at MAB's option, shall be prorated in the following manner. The customer shall pay the net price for a newly rebuilt engine equal to the current list price for the engine divided by the manufacturer's recommended TBO, and then multiplied by the number of hours on the repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or time at forty (40) hours per month from the date of delivery). Reasonable labor costs associated with the repair of a warranted engine shall be prorated in the same manner on the basis of a flat rate schedule established by MAB.

After the initial six (6) months from date of delivery or 240 hours of operation, MAB will not assume any responsibility for the repair or replacement of engine accessories, e.g. magneto, starter, alternator, ignition harness, turbocharger, etc.

Replacement parts supplied for warranted engines still covered by manufacturer's warranty are supplied on an exchange basis. MAB will pursue warranty claims with the manufacturer on the owner's behalf. Any allowance by the manufacturer will be credited to the operator's account.

The repair or replacement of any part under the foregoing warranty shall not extend the periods of warranty coverage set forth above. MAB reserves the right to change the price or specifications of any engine or part at any time.

**CONDITIONS AND PROCEDURES FOR OBTAINING WARRANTY WORK** - The foregoing warranty shall be effective only if the engine or component to be serviced is returned to MAB's facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact MAB for verification and authorization of warranty prior to return and/or repair. Written authorization must be obtained from MAB before repairs covered by warranty can be

performed other than by MAB. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and MAB must be given prompt notice thereof in writing, within ten (10) days after discovery.

**LIMITATION, EXCLUSIONS, AND DISCLAIMERS** - MAB shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all of which are excluded under this warranty. MAB does not warrant parts, materials or services supplied which are covered by manufacturer's warranty. This warranty shall not apply to any engine which has been subject to misuse, neglect, accident or damage from the elements, or which has been installed, repaired or maintained or altered in any manner which, in the judgement of MAB, has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner other than by MAB, or its representative.

**THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OR MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXCLUDED.** MAB liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. IN NO EVENT SHALL MAB BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY ON TORT OR NEGLIGENCE ON THE PART OF MAB. The foregoing limitations and exclusion with respect to implied warranties and the exclusion of incidental or consequential damages may not apply in those states which prohibit such limitation or exclusions. This warranty gives customer specific legal rights, and the customer may have other rights which vary from state to state.

Work Order No. 14729  
Engine Serial No. L-17290-51A



Airway Drive  
Mattituck, N.Y. 11952  
Tel: (516) 298-8330

**Mattituck Airbase, Inc.** Airway Drive Mattituck, N.Y. 11952(516) 298-8330  
Fax (516) 298-8412Date October 6, 1998To Ramon SmeltzCompany 1-703-361-4413From Mahlon RussellWe are transmitting 1 pages, including this cover sheet.

If this transmission is not complete or illegible, please call:

(out of state)

800-624-6680

(in New York)

516-298-8330

Message:

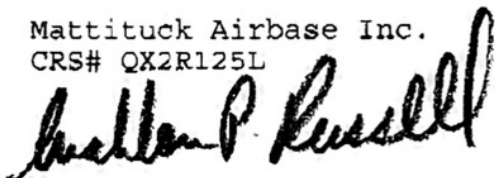
Reference: WO# 14729 S/N L-17290-51A

At the time of overhaul, the crankshaft installed in the engine was not repaired by Nelson Balancing Services. Mattituck Airbase never contracted with Nelson Balancing Services for any repair work. The crankshaft installed was inspected using procedures prescribed in the Textron Lycoming Direct Drive Overhaul Manual including Magna Flux inspection using the DC method.

Mattituck Airbase cannot stipulate that the crankshaft installed in the engine was never repaired by Nelson Balancing Services previous to the work performed by us. We can only stipulate that it wasn't repaired by them for us and that it passed all inspection requirements of the overhaul manual at the time of the major overhaul.

Mattituck Airbase Inc.

CRS# QX2R125L



This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase, Inc.  
 Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service. A description of these repairs is on file at this agency under:

JOB NO. 14729 DATED 9 March 98  
 MFG. Lycoming MODEL IO-360-A1B6D  
 Serial No. L-17290-51A Time in svc. 4083.5



**MATTITUCK AIRBASE, Inc.**  
 FAA REPAIR STATION # QX2R125L  
 AIRWAY DRIVE, MATTITUCK, NY 11952

*Michael P. Russell*  
 Authorized Signature

*New cylinder Assy's installed.*

The accessories listed below were overhauled by Mattituck Airbase, Inc. in accordance with applicable manufacturer's service & parts manuals and installed on the engine:

Item	Part No.	Serial No.
STARTER	MZ-4222	3020353
SECO	2524054-10	62214
MANIF. VALVE	2524232-2	K283

The accessories listed below were New or Overhauled as indicated in the status column and installed on the engine. Overhaul records for these overhauled accessories are in an envelope in the back of this logbook.

Item	Part No.	Serial No.	Status
Fuel pump	4W-15473		N
MAG.	10-682555-11	11297066D	

MATTITUCK AIRBASE, INC.  
 FAA Repair Station QX2R125L  
 W.O. No. 14729 Date 9 MAR 98



*Michael P. Russell*  
 Authorized Signature


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 TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

**Falconhead FBO/ OC Inc.**

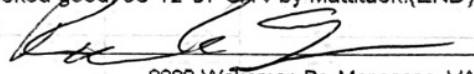
**10/07/98**

**4083.5 Tach**

**N-52578**

Completed 100hr. inspection. Serviced with 100W Aeroshell Mineral Oil. Removed and sent exhaust system out for repair, reinstalled exhaust system and secured. Installed overhauled Mattituck engine on N-52578 IAW M/M and ops checked, no leaks. Completed AD research and CAW AD87-20-03R2 visually and dimensionally checked good, 93-02-05 installed clamps, no cracks evident, 76-07-12 functionally checked good, 96-12-07 CAW by Mattituck.(END)

Signature



**AP262552817**

9998 Wakeman Dr. Manassas, VA 20110 (703-361-7267)

~~I certify that this engine has been inspected~~

I.A.W. a 100 hr inspection and was determined to be in airworthy condition at this time. CAW I.A.W. scope and detail form Part 43 F.A.R.'s.

E.L.T due \_\_\_\_\_ E.L.T checked good I.A.W

F.A.R. 91.207 Date 10/7/98 Tach 4083.5 TT 4083.5

T.S.M.O. 0 Agency Falconhead FBO/OC

Signature  # AP262552817



**Jet Services, Inc.**  
10509 Terminal Rd.  
Manassas, VA 20110

**(703)361-6830**  
**CRSJZIR340L**

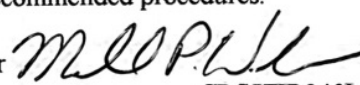
**ENGINE**  
N52578

04/15/99

Tach: 4177.7

Complied with A.D. 93-02-05 fuel injection line inspection. No defects noted. Next due: 4277.7 Tach. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Removed and replaced #3 cylinder gasket. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.

Michael P. Weber  
Jet Services, Inc.






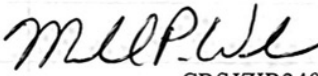

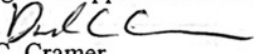
CRSJZIR340L

W.O. 2792

4-27-06	① 5076.2			

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**TOTALS**—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
				 <p><b>Jet Services, Inc.</b> (703)361-6830  <b>10509 Terminal Rd.</b> <b>CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE                      N52578 06/11/99 Tach: 4183.4                      Complied with a 100 hour/annual inspection in accordance with the manufacturer's recommended procedures. Complied with SB 518C thermostatic bypass valve inspection. No defects noted. Next due: 06/00. Complied with A.D. 93-02-05 fuel line inspection. No defects noted. Next due: 4283.4 Tach. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures. This engine is approved for return to service. Compressions: #1 77/80 #2 78/80 #3 80/80 #4 76/80.</p> <p>Michael P. Weber                       Jet Services, Inc. CRSJZIR340L W.O. 2861</p>
				 <p><b>Jet Services, Inc.</b> (703)361-6830  <b>10509 Terminal Rd.</b> <b>CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE                      N52578 11/11/99 Tach: 4230.0                      Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 filter. Serviced with 8 quarts of Aeroshell W80 oil. Cleaned and gapped spark plugs. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.</p> <p>Michael P. Weber                       Jet Services, Inc. CRSJZIR340L W.O. 3156</p>
				 <p><b>Jet Services, Inc.</b> (703)361-6830  <b>9998 Wakeman Dr.</b> <b>CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE                      N52578 06/14/00 Tach: 4281.0                      Complied with a 100 hour/annual inspection in accordance with the manufacturer's recommended procedures. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 filter. Serviced with 8 quarts of Aeroshell W100 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures. This engine is approved for return to service. Compressions: #1 78/80 #2 78/80 #3 79/80 #4 79/80.</p> <p>David C. Cramer                       Jet Services, Inc. CRSJZIR340L W.O. 3421</p>
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page



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				<b>TOTALS</b> brought forward from previous page

Jet Services, Inc. (703)361-7267  
 9998 Wakeman Dr. CRSJZIR340L  
 Manassas, VA 20110

ENGINE  
 N52578 02/24/02 Tach: 4466.4  
 Complied with a 100 hour/annual inspection in accordance with the manufacturer's recommended procedures. Complied with A.D. 93-02-05 fuel injection line inspection. No defects noted. Next due: 4566.4 Tach. Complied with SB 518C thermostatic bypass valve inspection. No defects noted. Next due: 02/03. Removed and replaced spark plugs. Removed and replaced EGT probe. Removed and replaced starter P/N on MZ4222 S/N on 11M000342/A-169996. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W80 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures. This engine is approved for return to service. Compressions: #1 70/80 #2 72/80 #3 71/80 #4 72/80.

Michael P. Weber *M.P. Weber*  
 Jet Services, Inc. CRSJZIR340L W.O. 4322

Jet Services, Inc. (703)361-7267  
 9998 Wakeman Dr. CRSJZIR340L  
 Manassas, VA 20110

ENGINE  
 N52578 04/22/02 Tach: 4524.0  
 Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Cleaned and gapped spark plugs. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.

Michael P. Weber *M.P. Weber*  
 Jet Services, Inc. CRSJZIR340L W.O. 4384

Jet Services, Inc. (703)361-7267  
 9998 Wakeman Dr. CRSJZIR340L  
 Manassas, VA 20110

ENGINE  
 N52578 07/18/02 Tach: 4566.5  
 Complied with a 100 hour/annual inspection in accordance with the manufacturer's recommended procedures. Complied with A.D. 93-02-05 fuel line inspection. No defects noted. Next due: 4666.5 Tach. Complied with Lycoming 400 hour valve inspection per SB 388B. No defects noted. Next due: 4966.5 Tach. Complied with SB 518C thermostatic bypass valve inspection. No defects noted. Next due: 07/03. Complied with A.D. 96-12-07 Bendix magneto impulse coupling inspection. No defects noted. Next due: 5066.5 Tach. Complied with magneto gear distributor inspection per SB 658. No defects noted. Next due: 5066.5 Tach. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Removed and replaced #1 cylinder drain back tube. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures. This engine is approved for return to service. Compressions: #1 75/80 #2 74/80 #3 76/80 #4 75/80.

Michael P. Weber *M.P. Weber*  
 Jet Services, Inc. CRSJZIR340L W.O. 4463

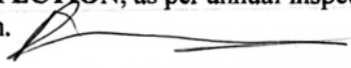

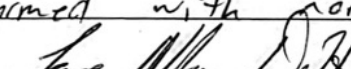
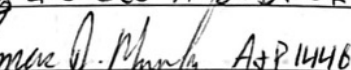
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				<b>TOTALS</b> brought forward from previous page
				<p><b>Jet Services, Inc. (703)361-7267</b>  <b>9998 Wakeman Dr. CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE  N52578 02/03/04 Tach: 4784.3  Cessna 177RG S/N 177RG1207  Cleaned and gapped all spark plugs. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.</p> <p>Michael P. Weber <i>M.P.W.</i>  Jet Services, Inc. CRSJZIR340L W.O. 5065</p>
				<p><b>Jet Services, Inc. (703)361-7267</b>  <b>9998 Wakeman Dr. CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE  N52578 02/21/04 Tach: 4797.7  Cessna 177RG S/N 177RG1207  Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W80 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.</p> <p>Michael P. Weber <i>M.P.W.</i>  Jet Services, Inc. CRSJZIR340L W.O. 5163</p>
				<p><b>Jet Services, Inc. (703)361-7267</b>  <b>9998 Wakeman Dr. CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE  N52578 05/12/04 Tach: 4845.1  Cessna 177RG S/N 177RG1207 ACTT: 4845.1  Complied with a 100 hour/annual inspection in accordance with the manufacturer's recommended procedures. Complied with A.D. 2002-26-01 fuel injector line inspection. No defects noted. Next due: 4945.1 Tach. Fabricated and installed bracket at exhaust cross over tube heat shield. Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures. This engine is approved for return to service. Compressions: #1 78/80 #2 77/80 #3 79/80 #4 78/80.</p> <p>Michael P. Weber <i>M.P.W.</i>  Jet Services, Inc. CRSJZIR340L W.O. 5224</p>
				<p><b>Jet Services, Inc. (703)361-7267</b>  <b>9998 Wakeman Dr. CRSJZIR340L</b>  <b>Manassas, VA 20110</b></p> <p>ENGINE  N52578 07/19/04 Tach: 4899.1  Cessna 177RG S/N 177RG1207 Hobbs: 1575.5  Drained oil. Removed, cut, and inspected oil filter. No defects noted. Installed CH48103 oil filter. Serviced with 8 quarts of Aeroshell W100 oil. Engine runs and leak checks performed. All work performed in accordance with the manufacturer's recommended procedures.</p> <p>John Quinn <i>J. Quinn</i>  Jet Services, Inc. CRSJZIR340L W.O. 5281</p>

DATE	TOTAL	TOTAL	TACH OR	DESCRIPTION OF WORK PERFORMED <small>SIGNATURE &amp; CERTIFICATE NO. OF PERSON PERFORMING WORK</small>
<p><b>White Hawk Aviation</b> Phone: 540-727-8400  <b>12517 Beverly Ford Road</b> Fax: 540-727-8411  <b>Brandy Station, Va. 22714</b>  <b>N52578 Lycoming IO-360-A1B6D Serial number: L-17290-51A</b>  <b>Date: 15 October 2004 TACH &amp; TTENG: 4944.5 SMOH: 861.00</b></p> <p>Inspected engine controls for security, freedom of movement, and travel limits. Drained oil. Removed filter, inspected contents, nothing found. Installed new CH48103 at 18 ft/lbs and saftied. Serviced with 7qts Aeroshell 15W50. Cleaned, gapped, and tested plugs. Installed plugs with new M674 gaskets and torqued plugs to 30 foot-pounds. Inspected and tested plug leads. Mag timing checked ok at <u>25 degrees BTDC</u> per engine data plate. Inspected all hoses, lines, fitting, and wires. Inspected intakes, exhaust, and muffler. <b>Compression test readings 1=78/80 2=76/80 3=78/80 4=79/80.</b> Run up, high power check, and leak checked ok. <b>AD's searched through 2004-18.</b></p> <p>I certify this engine has been inspected IAW ANNUAL INSPECTION, as per annual inspection checklist and was determined to be in an AIRWORTHY condition.</p> <p style="text-align: right;">  <b>Kevin Woodside AP230412222IA</b></p>				
<p><b>White Hawk Aviation</b> Phone: 540-727-8400  <b>12517 Beverly Ford Road</b> Fax: 540-727-8411  <b>Brandy Station, Va. 22714</b>  <b>N52578 Lycoming IO-360-A1B6D Serial number: L-17290-51A</b>  <b>Date: 17 August 2005 TACH &amp; TTENG: 5042.5 SMOH: 959.00</b></p> <p>Inspected engine controls for security, freedom of movement, and travel limits. Drained oil. Removed filter, inspected contents, nothing found. Installed new CH48103 at 18 ft/lbs and saftied. Serviced with 7qts Aeroshell 15W50. Cleaned, gapped, and tested plugs. Replaced all lower spark plugs. Installed plugs with new M674 gaskets and torqued plugs to 30 foot-pounds. Inspected and tested plug leads. Mag timing checked ok at <u>25 degrees BTDC</u> per engine data plate. Inspected all hoses, lines, fitting, and wires. Inspected intakes, exhaust, and muffler. <b>Compression test readings 1=75/80 2=75/80 3=75/80 4=75/80.</b> Run up, high power check, and leak checked ok. <b>AD's searched through 2005-15.</b></p> <p>I certify this engine has been inspected IAW ANNUAL INSPECTION, as per annual inspection checklist and was determined to be in an AIRWORTHY condition.</p> <p style="text-align: right;">  <b>Kevin Woodside AP230412222IA</b></p>				
10-13-05	5055.8			<p>Removed and replaced top spark plugs on #2 &amp; #4 cylinders. Past maintenance run up performed with normal results.</p> <p style="text-align: right;"> AP 3050165</p>
4-27-06	5076.2			<p>%w AD 2006-06-16 "Crankshaft failure". This AD is NOT applicable to this engine. Engine S/N L-17290-51A is NOT listed in Lycoming service bulletin NO. 569A, under eng model NO. IO-360-A1B6D. OK to cont. svc. at this time.</p> <p style="text-align: right;"> AP 144646916</p>
				<p><b>SUB-TOTALS</b> this page</p> <p><b>TOTALS</b>—Carry forward to next page</p>

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

**ENGINES**  
OF WINCHESTER, INC.  
615 AIRPORT ROAD #109 • WINCHESTER, VA 22602  
(540) 678-1661

**DATE: 7-27-06 TACH: 5091.4 N52578 Hobbs 1807.4**

1. INSPECT ENGINE IAW AN APPROVED CHECK LIST.
2. CHECK MAG TO ENG. TIMING.
3. COMPRESSION TEST RESULTS /80PSIG: 1.74 2.74 3.74 4.74.
4. INSTALL AND SAFETY CH48110 OIL FILTER.
5. WASHED ENG AND LUBRICATED CONTROLLS.
6. SERVICED ENGINE WITH 8 QT EXXON ELITE 20/50 OIL.

POST MAINTENANCE RUNUP PREFORMED WITH NORMAL RESULTS, NO LEAKS NOTED.

**I CERTIFY THAT THIS ENGINE AND PROPELLER HAVE BEEN INSPECTED IN ACCORDANCE WITH AN 100 hour INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.**

*Frank Finley* AP 228683511

**White Hawk Aviation**  
12517 Beverly Ford Road  
Brandy Station, Va. 22714

**Phone: 540-727-8400**  
**Fax: 540-727-8411**

N52578 Lycoming IO-360-A1B6D Serial number: L-17290-51A  
Date: 23 March 2007 TACH & TTENG: 5183.6 SMOH: 1100.1

Inspected engine controls for security, freedom of movement, and travel limits. Drained oil. Removed filter, inspected contents, nothing found. Installed new CH48103 at 18 ft/lbs and saftied. Serviced with 7qts Aeroshell 15W50. Cleaned, gapped, and tested plugs. Installed plugs with new M674 gaskets and torqued plugs to 30 foot-pounds. Inspected and tested plug leads. Mag timing checked ok at 25 degrees BTDC per engine data plate. Inspected all hoses, lines, fitting, and wires. Inspected intakes, exhaust, and muffler. **Compression test readings 1=79/80 2=75/80 3=75/80 4=75/80.** Run up, high power check, and leak checked ok. AD's searched through 2007-06.

I certify this engine has been inspected IAW ANNUAL INSPECTION, as per annual inspection checklist and was determined to be in an AIRWORTHY condition.

*Kevin Woodside*  
Kevin Woodside AP3122255IA

**White Hawk Aviation**  
12517 Beverly Ford Road  
Brandy Station, Va. 22714

**Phone: 540-727-8400**  
**Fax: 540-727-8411**

N52578 Lycoming IO-360-A1B6D Serial number: L-17290-51A  
Date: 28 March 2008 TACH & TTENG: 5236.4 SMOH: 1152.9

Inspected engine controls for security, freedom of movement, and travel limits. Drained oil. Removed filter, inspected contents, nothing found. Installed new CH48103 at 18 ft/lbs and saftied. Serviced with 7qts Aeroshell 15W50. Cleaned, gapped, and tested plugs. Installed plugs with new M674 gaskets and torqued plugs to 30 foot-pounds. Inspected and tested plug leads. Mag timing checked ok at 25 degrees BTDC per engine data plate. Inspected all hoses, lines, fitting, and wires. Removed and re-installed #2 cylinder assembly after repair by Skyline Cylinders. Inspected intakes, exhaust, and muffler. **Compression test readings 1=78/80 2=79/80 3=78/80 4=78/80.** Run up, high power check, and leak checked ok. AD's searched through 2008-3B.

I certify this engine has been inspected IAW ANNUAL INSPECTION, as per annual inspection checklist and was determined to be in an AIRWORTHY condition.

*Kevin Woodside*  
Kevin Woodside AP3122255IA

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK		
7-15-09	TACH	5259.4	SMOH 1175.7	TOTALS brought forward from previous page		
				LYC. IO-360A1B60. 100HR. INSPECTION CLEANED AND GRAPED PLUGS. CK COMP. AS FOLLOWS		
		1 75/180	2 76/180	3 76/180	4 78/180	CHANGED OIL AND FILTER.
				SERVICED WITH 8 QTS. PHILLIPS 20W-50. CHECK MAG TRING AT 25° BEFC. INSPECTED ENGINE CONRODS FOR SECURITY, FREEDOM OF MOVEMENT AND ADJUSTMENT. CHECK ALL HOSES AND CLAMPS. REPAIRED Baffles, INSTALLED NEW Baffle SILICONE. ENGINE TEST RUN OK, LEAK CK OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR. INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION.		
				<i>[Signature]</i> A.P. 436988256		

Date: 07/15/09

Time: 5259.4

I certify that this engine has been inspected i/a/w an Annual Inspection & has been determined to be in airworthy condition at this time.

Frank May, A & P 426239616 IA

*[Signature]*

15 Nov 09	TACH	5307.4		DRAINED OIL, REMOVED CAT AND INSPECTED OIL FILTER (NO DEFECT NOTED), INSTALLED KELLY AEROSPACE BS48103-1 OIL FILTER. SERVICED WITH 8 QTS OF AROSHELL 15W50 OIL. ENGINE RUN AND LEAK CHECK GOOD. NEXT DUE 5357.4 TACH TIME
				ERMITH, VINCENT, OWNER/PILOT 3199981 <i>[Signature]</i>

### Precision Aerospace Technologies, Inc.

305 Runway Rd. Batesville, AR 72501 (870) 251-2533 (Office) – (870) 251-2561 (Fax)

#: N52578

ACFT S/N: 177RG1207

Make	Model	Engine S/N	Position	TACH	TTSN	SMOH	DATE
LYCOMING	IO-360-A1B6D	L-17290-51A	NOSE	5307.8	5307.8	1224.3	NOV 19, 2009

1.) FUEL INJECTOR NOZZLES REMOVED, CLEANED AND REINSTALLED.

2.) C/W AD 2008-14-07 FUEL INJECTOR LINE INSPECTION. NO DEFECTS NOTED AT THIS TIME.

IN ACCORDANCE WITH THE WORK MENTIONED ABOVE, THIS ARTICLE IS APPROVED FOR RETURN TO SERVICE. ALL LEAK CHECKS, FUNCTION CHECKS AND/OR INSPECTIONS WERE DONE IN ACCORDANCE WITH APPLICABLE MAINTENANCE MANUALS. DETAILS OF THE WORK PERFORMED CAN BE FOUND AT THIS AGENCY UNDER WORK ORDER NUMBER 6981.

MARK E. GIVANS

*[Signature]*

CRS # 190R564Y

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
27 Dec 09	TACH 5311.2			REMOVED AND REPLACED ALTITUDE BELT (AN MK MANUAL). GEMMITI, VINCENT OWNER/PILOT 319981 <i>[Signature]</i> <i>[Signature]</i> AP3327248IA

22 Feb. 2010  
Engine

N52578

Tach: 5318.5

Removed fuel injectors and installed new Gami-Injectors. STC No. SE09445SC. PN's: #1. 627335GL-C, #2. 627335GL-D, #3. 627335GL-H, #4. 627335GL-D. Ran engine, Ops checked good. Engine returned to service. FAA form 337 sent.  
Jeff Pollnow P 430436342

*[Signature: Jeff Pollnow]*

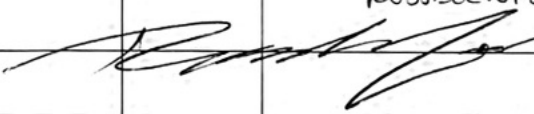
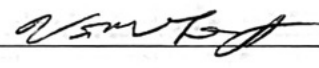
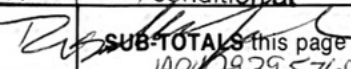
14 Aug 10	TACH 5350.4			DRAINED oil, Removed cut and inspected oil filter (No defect noted), installed Kelly Aerospace ES 48103-1 oil filter, serviced with 8 qts of Aeroshell 15W50 oil, Engine run and leak check good. Next due 5400.4 tach time GEMMITI VINCENT, OWNER/PILOT 319981 <i>[Signature]</i>
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9-3-10 N52578 10-360-A1B6D L-17290-51A TACH 5350.4  
DATE ~~08/10/10 N734DQ~~ ~~0-320-H2AD~~ ~~L-170776~~ ~~T.T. 1179.2~~

PERFORMED 100 HOUR INSPECTION ON THIS ENGINE. DRAINED OIL, REMOVED, INSPECTED & REPL' OIL FILTER WITH 48103. SERVICED ENGINE WITH AEROSHELL 15W50 OIL. R & R MAGNETO 10-682555-11, S/N 129706GR FOR 500 INSP & REPAIR. REPL' BOTH CAPACITORS WITH NEW KA10-400574. R & R #1 CYLINDER TO CLEAN EXHAUST VALVE FACE & SEAT. CYLINDER COMPRESSION ON ALL 76/80. CLEAN, GAPPED & TESTED ALL SPARK PLUGS. WASH, RAN & INSPECTED FOR LEAKS.  
SEE A.D. LIST THIS DATE FOR COMPLIANCE. *[Signature]* Ernest Benton 3472700 AWP


SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
SEPT 3, 2010				I certify this <u>ENGINE</u> has been inspected in accordance with <u>ANNUAL</u> inspection and is found to be in <u>AIRWORTHY</u> condition at this time. RUSSELL W. JACKSON  AP429395769IA
TACH: 5350.1				
TTEN: 1266.9				
SMOH: 1266.9				
15 APR 11	5397.5		5397.5	DRAINED OIL. REMOVED, CUT AND INSPECTED OIL FILTER (NO DEFECT NOTED). INSTALLED KELLEY AEROSPACE ES 48103-1 OIL FILTER. SERVICED WITH 8 QTS OF AEROSHELL 100 OIL. RAN ENGINE. LEAK CHECK GOOD. NEXT DUE AT 5447.5 HRS TACH TIME. GEMMITI, VINCENT OWNER/PILOT 3199981 
8/30/11	TACH 5429.5		H.M. 5430.3	DETERMINED A.D. 2011-15-10 N/A BY DATE OF O/H. Ernest Barker AP3472700
DATE 10-05-11 N52578 IO360 A1B6D L-17290-51A TACH 5440.0 SMOH 1356.5				
PERFORMED 100 HOUR INSPECTION ON THIS ENGINE. DRAINED OIL, REMOVED, INSPECTED & OIL FILTER REPL' WITH NEW ES48103-1. SERVICED ENGINE WITH AEROSHELL 100. CYLINDER COMPRESSION #1 74, #2 70, #3 70, #4 70. CLEANED, GAPPED & TESTED ALL SPARK PLUGS. WASH, RAN & INSPECTED FOR LEAKS. SEE A.D. LIST THIS DATE FOR COMPLIANCE.. Ernest Barker AP 3472700				
OCT 5, 2011				I certify this <u>ENGINE</u> has been inspected in accordance with <u>ANNUAL</u> inspection and is found to be in <u>AIRWORTHY</u> condition at this time.  SUB-TOTALS this page AP429395769IA
TACH: 5440.0				
TTEN: 1356.5				
SMOH: 1356.5				
				<b>TOTALS</b> —Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
16 MAY 2012		1397.7	5481.2	DRAINED OIL, <del>REMOVED</del> , CUT AND INSPECTED OIL FILTER (NO DEFECT NOTED), INSTALLED CHAMPION CH48103-1 OIL FILTER. SERVICED WITH 7 QTS OF ACROSHIELD 100+ OIL, RAN ENGINE, LEAK CHECK GOOD. NEXT DUE AT 5531.2 HRS HOBBS TIME. GEMMIT, VINCENT, OWNER/PILOT 319981
				<b>FLYING CAVIATION</b> <b>501-207-2301 AVIATION SERVICES 501-207-3427</b> Date:10/18/12 N52578 IO360 A1BD S/N L-17290-51A Tach:5513.9 Hobbs:5520.3 TTEN:1436.8 SMOH:1436.8 Performed 100 hr inspection of this engine. Replaced all spark plugs with Tempest URHM38E. Cylinder compression check #1 72 #2 74 #3 74 #470. Replaced adel clamps on engine mount as required. Checked mag timing, cleaned injectors. C/W AD 2008-14-07 fuel injector line inspection. No defects noted at this time. Washed and ran engine, no leaks or defects noted at this time. I certify this engine has been inspected IAW a 100 hr inspection and found to be in airworthy condition at this time. Paul Maglothin A&P3549117 IA <i>Paul Maglothin</i>
				<b>FLYING CAVIATION</b> <b>501-207-2301 AVIATION SERVICES 501-207-3427</b> Date:10/18/12 N52578 IO360 A1BD S/N L-17290-51A Tach:5513.9 Hobbs:5520.3 TTEN:1436.8 SMOH:1436.8 I certify this engine has been inspected IAW an annual inspection and found to be in airworthy condition at this time. Paul Maglothin A&P3549117 IA <i>Paul Maglothin</i>
23 OCT 2012		1437.6	5521.1	DRAINED OIL. REMOVE, CUT AND INSPECTED OIL FILTER (NO DEFECT NOTED), INSTALLED CHAMPION CH48103-1 OIL FILTER. SERVICED WITH 8 QTS OF EXXON ELITE 20W-50 OIL. RAN ENGINE, LEAK CHECK GOOD. NEXT DUE 5571.1 HRS HOBBS TIME. GEMMIT, VINCENT, OWNER/PILOT 319981
				<i>[Signature]</i>
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	HOURS TAKEN OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	<del>5556.4</del>		<del>5556.4</del>	TOTALS brought forward from previous page
27 Jun 13	5556.4	1472.9	5556.4	DRAINED OIL. REMOVED, CUT AND INSPECTED OIL FILTER, (NO DEFECT NOTED), INSTALLED CHAMPION CH48103-1 FILTER. SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 100 PLUS. RAN ENGINE, NO LEAKS NOTED. NEXT OIL CHANGE DUE AT 5606.4 HOBBS TIME. GEMMITI, VINCENT OWNER/PILOT 3199981 <i>[Signature]</i>
12 NOV 2013	5572.8	1499.3	5572.8	PERFORMED 100 HR INSPECTION ON THIS ENGINE IAW CESSNA 177RG SERVICE MANUAL DATED 1 OCT 75, CHANGE 4 2 OCT 95. CLEANED GAMMA AND REINSTALLED ALL SPARK PLUGS. CYLINDER COMPRESSION CHECK #1 <sup>76/80</sup> <del>79/80</del> , #2 <sup>80/80</sup> , #4 <sup>78/80</sup> . CHECKED MAG TIMING AND CLEANED FUEL INJECTORS. COMPLIANT WITH CHALLENGER AIR FILTER AND POWERFLOW EXHAUST INSTRUCTIONS FOR CONTINUED AIRWORTHINESS. COMPLIANT WITH ADS! AD 2012-19-01 CRANK SHAFT REPLACEMENT - NOT REQUIRED, PREVIOUSLY COMPLIANT WITH AD 2006-20-09, AD 2012-03-06 FUEL SERVO DIAGRAM - NOT APPLICABLE BY DATE OF INSTALLATION, AD 2011-26-04 - FUEL LINE INSPECTION - BY INSPECTION, AD 2009-02-03 FUEL SERVO PLUG GASKET - NOT APPLICABLE BY DATE OF INSTALLATION. ALL ADS CHECKED THROUGH TODAYS DATE. RAN ENGINE FOR OPS AND LEAK CHECK, NO DEFECT NOTED. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. Paul Magbela ASSISTED BY VINCE GEMMITI AIP 3549117 OWNER/PILOT
				CONTINUOUS
				SUB-TOTALS this page ↓ ↓ ↓
				TOTALS—Carry forward to next page

CONTINUED

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	HOURS TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN AN APPROPRIATE INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME. Paul Magallanes
				3549117 IA
2013 27 Dec	5577.8	1504.3	5577.8	DRAINED OIL. REMOVED, CUT AND INSPECTED OIL FILTER (NO DEFECT NOTED), INSTALLED CAMPION CH 48103-1 FILTER. SERVICED ENGINE WITH 7 QTS OF PHILLIPS XIC AVIATION 20W-50 AND 1 PINT OF ASL CAMWARD. RAN ENGINE, NO LEAKS NOTED. NEXT OIL CHANGE DUE 5627.8 HOURS TIME GEMMERT, VINCENT OWNER/PILOT 3194981 Vincent
29 Jun 2014	5594.8	1521.3	5594.8	DRAINED OIL. REMOVED, CUT AND INSPECTED OIL FILTER (NO DEFECT NOTED). INSTALLED CAMPION CH 48103-1 FILTER. SERVICED ENGINE WITH 7 QTS OF AEROSHELL 100. NO LEAKS NOTED. NEXT OIL CHANGE DUE 5644.8 HOURS TIME. GEMMERT, VINCENT A+P 3199981 Vincent
LAST ITEM				

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CONTINUED FROM PREVIOUS PAGE

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	HOBBS TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
				INSTALLED CHAMPION CH 48103-1 FILTER. SERVICED ENGINE WITH 7 QTS OF PHILIPS 66 20W-50 OIL AND 8 OZs OF ASL CAMGUARD. NEXT OIL CHANGE DUE 5669.2 HOURS TIME. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100-HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME. VINCENT GEMMITI AP 3199981
13 Dec 2014	5619.2	1520.8	5619.2	I certify this Engine has been inspected IAW con Annual Inspection and found to be in Airworthy condition at this time. Paul M... AP 3549117 IA
6 Jun 2015	5636.4	HOBBS 1552.9	HOBBS 5636.4	DRAIN OIL. REMOVED, CUT AND INSPECTED OIL FILTER (NO DEFECTS). INSTALLED CHAMPION CH 48103-1 FILTER. SERVICED ENGINE WITH 7 QTS OF ROTAX 100+ AND 16 OZ OF CAMGUARD. RAN ENGINE, NO LEAKS NOTED. NEXT OIL CHANGE DUE 5686.4 HOURS TIME VINCENT GEMMITI AP 3199981
1 Jan 2016	TACH 5639.3	TACH 1555.8	TACH 5639.3	PERFORMED A 100HR INSPECTION IAW CESSNA SERVICE MANUAL OCT 75, PH 4 2 OCT 95. CLEANED, GAPPED AND REINSTALLED ALL SPARK PLUGS. PERFORMED COMPRESSION CHECK (min 44 PSI): #1 70/50, #2 74/50, #3 76/50, #4 77/50. MAG TIMING GOOD AT 25° BTDC. CLEANED FUEL NOZZLES, COMPLIANT WITH CHALLENGER AIR FILTER AND POWERFLOW EXHAUST ICAWS. COMPLIANT WITH AD 2015-19-07 (FUEL INJECTOR LINES) BY VISUAL INSPECTION. ALL ADS CURRENT THROUGH THIS DATE. DRAIN OIL. REMOVED CUT AND INSPECTED OIL FILTER, NO DEFECT NOTED. INSTALLED CHAMPION CH 48103-1 FILTER SERVICED ENGINE WITH 7 QTS OF PHILIPS 66 20W-50 OIL AND 16 OZs OF ASL CAMGUARD. NEXT OIL CHANGE DUE 5708.3 HOURS. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100-HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME. VINCENT GEMMITI AP 3199981

TACH 5639.3	TACH 1555.8	TACH 5639.3
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	TACH			<b>TOTALS</b> brought forward from previous page
1/1/16	5639.3	1558.5	5639.3	I certify this engine has been inspected I.A.W. an Annual Inspection and Found to be in Airworthy condition at this time. Paul Magbottus A/P 3549117 IA
9 Jul 16	5649.9	1569.1	TACH 5649.9	DRAINED OIL. REMOVED, CUT AND INSPECTED FILTER (NO DEFECTS). INSTALLED CHAMPION 98103-1 FILTER. SERVICED WITH 7 QTS OF PHILLIPS XL 20W50 AND 8OZ OF CAMGLAND. RAN ENGINE, NO LEAKS NOTED. NEXT OIL CHANGE DUE AT 5699.9 TACH. VINCENT GOMMITT A/P 3199981
18 JULY 2017	TACH 5671.2	1590.4	TACH 5671.2	PERFORMED A 100HR INSPECTION IAW CESSNA SERVICE MANUAL PART 90CT 75, CH4 (2 OCT 95). CLEANED, GAPPED AND REINSTALLED SPARK PLUGS. PERFORMANCE COMPRESSION CHECK (min 94 PSI) #1 69/90, #2 78/90, #3 74/90, #4 74/90. MAG TIMING GOOD AT 25° BTDC. CLEANED FUEL NOZZLES. COMPLIED WITH CHALLENGER AIR FILTER AND POWERFLOW ICAWS. COMPLIED WITH AD 2015-19-07 (FUEL INJECTOR LINES) NO DEFECT NOTED. ALL ADS CURRENT THROUGH THIS DATE. DRAINED OIL FILTER. REMOVED, CUT AND INSPECTED THROUGH THIS DATE FILTER, NO DEFECTS. INSTALLED CHAMPION CH 48103-1 OIL FILTER. SERVICED WITH 8 QTS OF PHILLIPS 66 20W50 AND 10 OZ OF CAMGLAND. NEXT OIL CHANGE DUE 5721.2 TACH I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. VINCENT GOMMITT A/P 3199981
				I certify this engine to be in Air Must be Inspected IAW an annual Inspection. And Found to be in Airworthy condition At this time Paul Magbottus A/P 354 9117 IA
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page

DATE	TACH TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	5671.2 TACH	1590.4	5671.2	TOTALS brought forward from previous page
15 SEP 2017	5686.0	1605.2	5686.0 TACH	DRAINED OIL. REMOVED, CUT AND INSPECTED FILTER (NO DEFECTS). INSTALLED CHAMPION 48103-1 FILTER. SERVICED WITH 7 QTS OF PHILLIPS 5C 20W50 AND 8OZ OF CAMGUARD. RAN ENGINE, NO LEAKS NOTED NEXT OIL CHANGE DUE AT 5736.0 TACH.  VINCENT GOMMITT AIP 3199981
16 APR 2018	5692.1	1611.3	5692.1	PERFORMED A 100HR INSPECTION IAW CESSNA SERVICE MANUAL PART 1 OCT 75, CH4 (2 OCT 95). CLEANED CARBEN AND REINSTALLED SPARK PLUGS. PERFORMED COMPRESSION CHECK (MIN 94 PSI) #1 70/80, #2 75/80, #3 74/80, #4 75/80. MAG TIMING GOOD AT 25° BTDC. CLEANED FUEL NOZZLES, COMPLIANT WITH CHALLENGER AIR FILTER AND POWERFLOW 16MWS, COMPLIANT WITH AA 2015-19-07 (FUEL INJECTOR LINES) NO DEFECT NOTED. ALL ADS CURRENT THROUGH THIS DATE. DRAINED OIL, REMOVED, CUT AND INSPECTED FILTER, NO DEFECTS. INSTALLED CHAMPION CH 48103-1 OIL FILTER. SERVICED WITH 7 QTS OF AEROSHELL 80W AND 1QT OF CAMGUARD. NEXT OIL CHANGE DUE 5742.1 TACH. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. VINCENT GOMMITT AIP 3199981
13 APR 2018	5692.1	1611.3	5692.1	I certify this engine <sup>PM</sup> to be has been inspected IAW an annual inspection and found to be in airworthy condition at this time Paul Magellan AIP 3549117 I.A.
8 Sep 2018	HOURS 5730.3 TACH 5699.2	HOURS 1605.2	5730.3 TACH 5699.2	REMOVED VACUUM PUMP. INSTALLED RAPICO RAPPISCC VACUUM PUMP SN A68674 IN ACCORDANCE WITH CESSNA 177RG SERVICE MANUAL DATED 1 OCT 75, CH4 (2 OCT 95). RAN ENGINE, OPS AND LEAK CHECK GOOD. VINCENT GOMMITT AIP 3199981
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
14 APR 2019	5707.0	1626.2	5707.0	<p>PERFORMED A 100HR INSPECTION IAW CESSNA SERVICE MANUAL DATUM 1 OCT 75, CHG 4 (2 OCT 95), CLEANED, GAPPED AND REINSTALLED SPARK PLUGS. PERFORMED COMPRESSION CHECK #1 73/80, #2 74/80, #3 76/80, #4 77/80. MAG TIMING GOOD AT 25° BTDC, CLEANED FUEL NOZZLES, COMPLIED WITH CHALLENGER AIR FILTER AND POWERFLOW EXHAUST ICAWS. COMPLIED WITH AD 2015-19-07 (FUEL INJECTOR LINES) NO DEFECTS NOTED. ALL ADS CURRENT THROUGH THIS DATE. DRAINED OIL, REMOVED, CUT AND INSPECTED FILTER (NO DEFECTS NOTED), INSTALLED CHAMBERLAIN CH 48103-1 FILTER AND SERVICED WITH 8 QTS OF AEROSHELL W100+. NEXT OIL CHANGE DUE 5737.0 TACH, CHANGED <sup>ALL</sup> THREE EXTERNAL FLEXIBLE OIL HOSES, AEROSHELL 303-B OR -6 INSTALLED, LEAK CHECK GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. VINCENT GEMINI AIP 3199981</p>
14 APR 2019	5707.0	1626.2	5707.0	<p>I certify this engine has been inspected IAW an annual Inspection and Found to be airworthy at this time Paul Magottin AIP 3549117 IA</p>
25 APR 2020	5725.0	1644.2	5725.0	<p>PERFORMED A 100HR INSPECTION IAW CESSNA SERVICE MANUAL 1 OCT 75, CH4, REV 11. CLEANED, GAPPED AND REINSTALLED SPARK PLUGS. PERFORMED COMPRESSION CHECK #1 73/80, #2 77/80, #3 76/80, #4 78/80. MAG TIMING AT 25° BTDC. CLEANED FUEL NOZZLES, COMPLIED WITH POWERFLOW EXHAUST AND CHALLENGER AIR FILTER ICAWS. DRAINED OIL, REMOVED, CUT AND INSPECTED FILTER (NO DEFECTS). INSTALLED CHAMBERLAIN CH 48103-1 FILTER WITH 7 QTS OF AEROSHELL 20W 50 AND 1PT OF CAMBORGARD. NEXT OIL CHANGE DUE 5775.0 TACH. COMPLIED WITH AD 2015-19-07 (FUEL INJECTOR LINES) (NO DEFECT NOTED). ALL ADS CURRENT AS OF THIS DATE. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. VINCENT GEMINI AIP 3199981</p>
25 APR 2020	5725.0	1644.2	5725.0	<p>I certify this engine has been inspected IAW an annual Inspection and Found to be in airworthy condition at this time Paul Magottin AIP 3549117 I.A.</p>
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page



# ENGINE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

Make Textron Lycoming

Model IO-360-A1B6D

Serial No. C-17290-51A

AD Number	Subject	Method of Compliance	Status	Recurring Y/N	Next Compliance Due at	Inspector
64-16-05	Fuel Pump		N/A			
66-20-04	Oil Filter Adapter Gasket		N/A			
73-23-01	Piston Pins		N/A			
75-08-09	Oil Pump Gears		N/A			
78-09-07 R3	Bendix Impulse Mags.	Superseded by AD 96-12-07	N/A			
81-18-04 R2	Oil Pump Gears	Superseded by AD 96-09-10	N/A	N		
84-13-05	Prop. Flange Separation	Progressive inspections, or repl. with solid flange	N/A			
87-10-06 R1	Rocker Arms	Installed Parts per Lycoming S.B. 477A	N/A	N		
90-04-06 R1	Prop. Gov. Oil Line	Installed Parts per ¶ (a), (b) & Appendix 1 of AD	C/W	Y	When line is removed.	
91-08-07	Fuel Pump Vent Fitting	Replace fuel pump fitting with new "R" style	N/A	N		
91-14-22	Crankshaft Gears	Insp. & Rework per SB475B, Bolt torque <u>660</u> , Lockplate bent in place	C/W	Y	See AD note.	
92-12-05	Thick Wall Piston Pins	Installed Parts per Lycoming S.B. 501B	N/A	N		
93-02-05	Fuel Injection Lines	Secure fuel injection lines per Lycoming SB 342B	C/W	Y	See AD note.	
93-11-11	Fuel Pump	Installed new fuel pump	N/A	N		
93-14-15	STC SE4757NM	See AD if engine is modified with STC	N/A	N		
94-01-03 R2	TCM Mag. Coils & Magnets	Installed Parts in ac w/ TCM S.B. 637 & MSB644	N/A	N		
94-06-09	TCM Mag. Capacitors	Installed Parts in ac w/ TCM CSB 641	N/A	N		
95-07-01	Uncertified Rod Bolts	Install new Rod Bolts	N/A	N		
95-02-02	Detonation	See AD	N/A			
96-09-10	Oil Pump Gears	Installed hardened steel impellers per Lyc. SB524	C/W	N		
96-12-07	Bendix Impulse Magnetos	Inspected coupling per TCM SBM645 & SB639	P/C/W	Y	500hrs	
96-23-03	Lycoming Fuel Pump	Non-affected Fuel Pump Installed	C/W	N		
97-15-11	Lycoming Piston Pins	Non affected Piston Pins installed. S/S AD 97-01-03	C/W	N		

The AD Notes listed above have been checked and complied with where necessary on 2/10/98 by

Mattituck Airbase Inc. CRS QX2R125L Authorized Signature [Signature]

DATE

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

02/10/2021 N52587 LYCOMING IO-360-A1B6D SERIAL # L-17290-51A TACH: 5746.3  
TSMOH: 1665.5  
COMPRESSIONS (COLD) #1-66/80, #2-64/80, #3-68/80, #4-72/80. TWO CLAMPS FOR  
FUEL INJECTOR LINES PER AD2015-19-07 LOOSE AND WERE REPLACED. SPARK PLUGS  
REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED. TIMING CHECKED PER  
LYCOMING SPECIFICATIONS. AD'S CHECKED THROUGH TRITON AVIATION DATA AND  
ARE ALL CURRENT AT THIS TIME. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  
IAW AND ANNUAL INSPECTION AND IS AIRWORHY AT THIS TIME.

DocuSigned by  
*E. K. Flanigan*  
C7803E7FA87C429

E. K. FLANIGAN AP3061803IA FOR KILO AVIATION LLC

DATE	TACH	DESCRIPTION	TACH
2-23-21	1665.5	N52587 LYC IO-360-A1B6D S/N L-17290-51A DRAWED ENGINE OIL FROM CRANKCASE, OIL COVER & REMOVED OIL FILTER. OBTAINED OIL SAMPLE TO BE SENT TO BLACKSTONE LABORATORIES FOR ANALYSIS. INSTALLED NEW OIL FILTER, TEMPEST P/N AA48103-2. CUT & OPENED OLD OIL FILTER, INSPECTED FOR CONTAMINANTS, NONE FOUND. ADDED 8 QUARTS PHILLIPS XC20W50 OIL. WASHED DOWN ENGINE, INSTALLED COWL & PERFORMED GROUND RUN & LEAK CHECK. NO LEAKS NOTED. AIRCRAFT RETURNED TO SERVICE. <i>[Signature]</i> AP36173441A	5748.8
3-1-21	Tach Reads	Checked Compression: #1 76/80 #2 72/80 #3 76/80 #4 74/80, Retorqued spark plugs and leads. -end- <i>[Signature]</i> AP3265314	5757.8
		<b>SUB-TOTALS</b> this page	
		<b>TOTALS</b> —Carry forward to next page	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8-3-21	Tach	5785.7		<p>TOTALS brought forward from previous page</p> <p>Changed oil &amp; filter, cut open filter, no debris noted at this time, refilled w/ 8 qts Aeroshell 15W-50, CH48103-1 filter cleaned and gapped spark plugs, R&amp;R magnets replaced Contact Breakers P/N ES10-382585, set E gap and mag to engine timing, ground run, leak and ops check O.K. -</p> <p><i>Michael Pyley AIP 3205314</i></p>
4-8-22	Tach	5844.4		<p>4/8/2022 N52578 Cessna 177RG S/N 177RG1207 Lycoming IO-360-A1B6D S/N L-17290-51A Tach: 5844.4 Eng.TT: 5844.4 SMOH: 1763.6</p> <p><b>Performed Annual Inspection IAW FAR 43 Appendix D</b></p> <ol style="list-style-type: none"> <li>1. Drained oil, serviced engine with 7 quarts Aeroshell 15W50. Replaced oil filter CH48103-1. Cut open filter, no debris noted. Checked and cleaned oil screen.</li> <li>2. Cleaned and gapped spark plugs. Replaced all gaskets M-674.</li> <li>3. Cleaned and checked fuel screens.</li> <li>4. Checked exhaust.</li> <li>5. Checked compression #1 75, #2 79, #3 77, #4 79/80.</li> <li>6. C/W AD 2015-19-07 by inspection of fuel injector lines. Due again Tach: 5954.4 or next fuel line service.</li> <li>7. Ground run, leak check satisfactory.</li> </ol> <p>I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in an airworthy condition.</p> <p>Signature: <i>Michael Pyley AIP 3205314</i> 4/8/2022</p>
				<p><b>SUB-TOTALS</b> this page</p> <p><b>TOTALS</b>—Carry forward to next page</p>

1. Governing Civil Aviation Authority/Country:  
FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

1129706

4. Organization Name and Address

Kelly Aero, LLC, 1400 E. South Blvd., Montgomery, AL 36116 (9KJR356C)

5. Work Order/Contract/Invoice Number

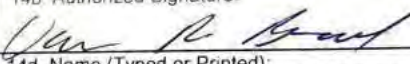
1942529

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	MAGNETO D-3000 SERIES	10-682555-11	1	1129706	REPAIRED

12. Remarks

THE WORK SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH CONTINENTAL MOTORS INC. X41005, X420003-3, DATED APR 2012. SERVICE BULLETINS AND AD NOTES COMPLIED WITH: SB617B, 618, 619, AD82-11-05, AD81-12-06 R1, SB623A, AD82-20-01, SB599D, MSB645, AD2005-12-06, CSB662A.

CERTIFIES THAT THE WORK IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH TITLE 14, CODE OF FEDERAL REGULATIONS, PART 43 AND WITH EASA PART 145. WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.6588 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER 9KJR356C.

<p>13a. Certifies the items identified above were manufactured in conformity to:</p> <p><input type="checkbox"/> Approved design data and are in a condition for safe operation.</p> <p><input type="checkbox"/> Non-approved design data specified in Block 12.</p>		<p>14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12</p> <p>Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service</p>	
<p>13b. Authorized Signature</p>	<p>13c. Approval/Authorization No.:</p>	<p>14b. Authorized Signature:</p> 	<p>14c. Approval/Certificate No.:</p> <p>9KJR356C</p>
<p>13d. Name (Typed or Printed):</p>	<p>13e. Date (dd/mmm/yyyy):</p>	<p>14d. Name (Typed or Printed):</p> <p><b>VONEISHA R. BEDGOOD</b></p>	<p>14e. Date (dd/mmm/yyyy):</p> <p><b>24 FEB 2023</b></p>

### User/Installer Responsibilities

The user/installer understands that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

When the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in block 1.

Statements in blocks 12a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the applicable regulations by the user/installer before the aircraft may be flown.

# MAINTENANCE RELEASE

Part No: C290D3-K/T12 Description: McCauley Governor Serial No: 771184

was  REPAIRED (describe \_\_\_\_\_)

OVERHAULED per the following documents (include revision levels):  
Manual 780401 R8, MPC26 R6  
Service Bulletins THRU 271A, ASB273C  
Service Letters THRU 2022-2  
Service Instructions N/A  
Service Advisories N/A

The following Airworthiness Directives have been complied with:

A.D.	Method of Compliance:	Rekurs at: Date or Hours
N/A		

Time Since New: \_\_\_\_\_ Brought forward \_\_\_\_\_ Time Since Overhaul/Major: --0--

The item(s) identified above were repaired or overhauled (as indicated) and inspected in accordance with current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # L5683

Date April 20, 2023

Signed *C. N...*  
For Repair Station #QV9R194N

SENENICH PROPELLER SERVICE, INC.  
519 East Airport Road, Lititz, PA 17543

1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number H29706	
4. Organization Name and Address: Kelly Aero, LLC, 1400 E. South Blvd., Montgomery, AL 36116 (9KJR356C)				5. Work Order/Contract/Invoice Number 1942529		
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MAGNETO D-3000 SERIES	10-682555-11	1	H29706	REPAIRED	
12. Remarks: THE WORK SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH CONTINENTAL MOTORS INC. X41005, X420003-3, DATED APR 2012. SERVICE BULLETINS AND AD NOTES COMPLIED WITH: SB617B, 618, 619, AD82-11-05, AD81-12-06 R1, SB623A, AD82-20-01, SB599D, MSB645, AD2005-12-06, CSB662A.  CERTIFIES THAT THE WORK IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH TITLE 14, CODE OF FEDERAL REGULATIONS, PART 43 AND WITH EASA PART 145. WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.6588 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER 9KJR356C.						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 12 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: 9KJR356C	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): <b>VONEISHA R. BEDGOOD</b>		14e. Date (dd/mmm/yyyy): <b>24 FEB 2023</b>	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.  Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.  Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the National regulations by the user/installer before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country: FAA/United States		2.			3. Form Tracking Number: 30715-1	
<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					5. Work Order/Contract/Invoice Number: 30715	
4. Organization Name and Address: COLUMBIA AIRCRAFT SERVICES, INC 301 AIRPORT RD STE 101 BLOOMSBURG, PA 17815						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	LYCOMING ENGINE ASSY	IO-360-A1B6D	1	L-17290-51A	OVERHAULED	
12. Remarks: THE ITEM IDENTIFIED ABOVE HAS BEEN OVERHAULED IN REFERENCE TO LYCOMING MANUAL 60294-7-14. PERTINENT DETAILS OF THE OVERHAUL ARE ON FILE AT THIS AGENCY UNDER WORKORDER NO.30715.						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: JM2R930K	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): DOUGLAS C HALYE		14e. Date (dd/mmm/yyyy): 22/ JUL/2024	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

<b>1. Approving Civil Aviation Authority/Country:</b> FAA/UNITED STATES	<b>AUTHORIZED RELEASE CERTIFICATE</b> <small>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</small>	<small>7. Form/Working Number:</small> H-Y022660
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<b>4. Organization Name and Address:</b> HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL 36108 P0138CFD	<small>8. Work Order/Contract/Approval Number:</small> M034630
--	---

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	STARTER **** END ****	149NL	1	H-Y022660	NEW

**12. Remarks:**  
 AIRWORTHINESS APPROVAL- PARTS.FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/PMA/

<b>13a. Certifies the items identified above were manufactured in conformity to:</b> <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	<b>14a.</b> <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12: <small>Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.</small>
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<b>13b. Authorized Signature:</b> 	<b>13c. Approval/Authorization No.:</b> ODA-100082-CE	<b>14b. Authorized Signature:</b>	<b>14c. Approval/Certificate No.:</b>
<b>13d. Name (Typed or Printed):</b> Daniel W. Paul	<b>13e. Date (dd/mmm/yyyy):</b> 28/Mar/2024	<b>14d. Name (Typed or Printed):</b>	<b>14e. Date (dd/mmm/yyyy):</b>

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Agency Use Only (Do not fill in) APPROVAL AUTHORITY: APPROVED: [Signature] DATE: [Date]		2. Organization Use Only APPROVED BY: [Signature] DATE: [Date] APPROVED BY: [Signature] DATE: [Date]	
3. Item	4. Description	5. Part Number	6. Quantity
1	PROPELLER		
7. Remarks: PROPELLER MAINTENANCE PARTS & WORKS ITEM FOR APPROVAL/ISSUE/ISSUED/ISSUES IN THIS CASE REPAIRS AND EXCEPTS IS 14CFR 43.17 (10/01/2017) ADDITIONAL INSPECTION MAY BE REQUIRED UNDER PART 43 TO INSTALL APPROVED PART TRACKING NO: 82771727			
13a. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature [Signature]		14c. Approval Certificate No. DD2R764K	
13c. Approval/Authorization No.		14d. Name (Typed or Printed) Chad Chapman	
13d. Name (Typed or Printed)		14e. Date (dd/mm/yyyy) 10 JUN 2024	
<b>User/Installer Responsibilities</b>			
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.			
Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.			
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

NSN: 0052-00-013-9005  
 FAA Form 8130-3 (02-14)

### SERVICEABLE TAG

PART No.	SERIAL No.
10-682555-11	I 129706
MFG'S NAME	QUANTITY
Bendix	1ea
The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Administration Regulations and was found airworthy for return to service.	
Pertinent details of the repair are on file at this agency under work order No. <u>30715</u> .	
Date <u>7/15</u> 20 <u>24</u>	
Signed <u>Kyle Deysa</u> for Columbia Aircraft Services, Inc. - Bloomsburg, PA FAA R.S. #JM2R930K	

#85-2  
 Overhauled/Repaired  
 Insp IAW Bendix X42003.3

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TOTALS brought forward from previous page

8/14/2024 N52578 Cessna 177RG S/N 177RG1207  
 Lycoming IO-360-A1B6D S/N L-17290-51A  
 Tach: 5973.2 Eng.TT: 5973.2 SMOH: 0.0

**Performed Annual Inspection IAW FAR 43 Appendix D**

1. Reinstalled this engine after overhaul at Columbia Aircraft Services.
2. Replaced engine rubber mounts P/N 94011-20.
3. Replaced engine hoses: 156F001-3S-0444, 156V001-6D-0116, 111417-6S-0310, 124001-3CR-0223, 124F001-6CR-0252, 124F001-6CR-0260, 111417-6S-0132. Hoses fabricated at Aero Aviation Co Hose Shop.
4. Drained oil. serviced engine with 7 quarts Phillips Type M.
5. Cleaned and checked fuel screens.
6. Checked exhaust.
7. AD 2015-19-07 fuel injector lines C/W at overhaul. Due again Tach: 6083.2 or next fuel line service.
8. Ground run. leak check satisfactory.

I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in an airworthy condition.

*rybaefw Ryley ATP 3205314IA*

9/16/24

Drained oil, serviced with 8 qts. Aeroshell 15W50. Replaced oil filter CH48103-1. Ground run, leak check satisfactory.  
 Hannah Lagneel ATP 3689545

Tach: 6000.0

6/17/2025 N52578 Tach: 6069.7

Drained oil, serviced engine with 8 quarts Aeroshell 15W50. Replaced oil filter AA48103-2 Checked and cleaned oil screen. Ground run, leak check satisfactory.

*rybaefw Ryley ATP 3205314*

SUB-TOTALS this page

TOT

DATE

TOTAL TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

9/12/2025 N52578 Cessna 177RG S/N 177RG1207  
Lycoming IO-360-A1B6D S/N L-17290-51A  
Tach: 6091.7 Eng.TT: 6091.7 SMOH: 118.5  
**Performed Annual Inspection IAW FAR 43 Appendix D**

s page

1. Drained oil, serviced with 8 quarts Aeroshell 15W50. Checked and cleaned oil screen. Replaced oil filter AA48103-2.
2. Compression check #1 72, #2 76, #3 74, #4 73/80.
3. Cleaned and checked fuel screens. Replaced fuel bowl o-ring M83248/1-111.
4. Checked exhaust.
5. C/W AD 2015-19-07 fuel injector lines. Due again Tach: 6091.7 or next fuel line service.
5. Ground run, leak check satisfactory.

I certify that this engine has been inspected IAW an **Annual Inspection** and was determined to be in an airworthy condition.

*Hannah Lagus* A+P3689545IA

**SUB-TOTALS** this page

**TOTALS**—Carry forward to next page