

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

ENGINE LOG #3

**ENGINE
MAINTENANCE
RECORDS**

DATE



SKY ADDICT AVIATION

N511KC

421 8th Ave SE
St. Petersburg, FL 33701
Lyc. IO-540-K1G5D S/N L-20119-48A TACH 3215.6 TSMOH 53.4 10/02/20

- C/W A.D. 2015-19-07 by visual inspection of fuel lines. Performed compression test as follows; #1 78/80 #2 77/80 #3 77/80 #4 76/80 #5 78/80 #6 77/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Aeroshell W100 Plus. Cleaned, inspected and gapped all spark plugs. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual / 100hr checklist and has found to be in an airworthy condition.

Abraham Tray

A&P 3101588 IA



SKY ADDICT AVIATION

N511KC

421 8th Ave SE
St. Petersburg, FL 33701
Lyc. IO-540-K1G5D S/N L-20119-48A TACH 3230.0 TSMOH 67.8 01/03/22

- C/W A.D. 2015-19-07 by visual inspection of fuel lines. Performed compression test as follows; #1 77/80 #2 78/80 #3 77/80 #4 77/80 #5 78/80 #6 76/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Aeroshell W100 Plus. Cleaned, inspected and gapped all spark plugs. Ground runs and leak checks satisfactory at this time. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual / 100hr checklist and has found to be in an airworthy condition.

Abraham Tray

A&P 3101588 IA



SKY ADDICT AVIATION

N511KC

421 8th Ave SE
St. Petersburg, FL 33701
Lyc. IO-540-K1G5D S/N L-20119-48A TACH 3242.1 TSMOH 79.9 02/16/23

- C/W A.D. 2015-19-07 by visual inspection of fuel lines. Performed compression test as follows; #1 78/80 #2 80/80 #3 70/80 #4 72/80 #5 78/80 #6 80/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Aeroshell W100 Plus. Cleaned, inspected and gapped all spark plugs. Ground runs and leak checks satisfactory at this time. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual / 100hr checklist and has found to be in an airworthy condition.

Abraham Tray

A&P 3101588 IA

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

TOTALS brought forward from previous page



Engine Log

ST. PETE AIR
107 8th Ave SE
Saint Petersburg,
FL 33701
Date: 03/01/2024

Tail #: N511KC
Date: 32R-8013055
Tach: 3263.96
TTE: 4602.96
SMOH: 98.5

Performed an annual inspection I/A/W FAR43 app D and the Piper annual inspection form as a guide. Performed compression check #1 76/80 #2 72/80 #3 80/80 #4 78/80 #5 78/80 #6 80/80. Removed spark plugs, cleaned, gapped and reinstalled. Drained oil, removed filter and checked for metal—no metal noted. Serviced with 11 qts of Phillips 20w50 XC oil and installed new oil filter P/N AA48103-2. C/W AD15-19-7 Fuel injection lines (next due 2474.6) C/W AD05-12-16 TCM magneto (next due 2864.6). I certify this engine has been inspected I/A/W an annual inspection & FAR 43 app D and of this date found to be in airworthy condition.

Harrison Rogers
AP/IA 4080983

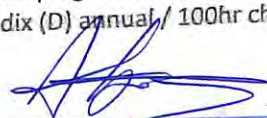
15-19-7 T: 3373.96
05-12-16 T: 3363.96
3663.67

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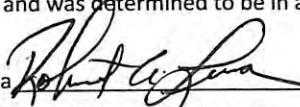
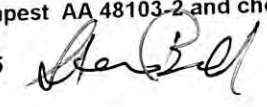
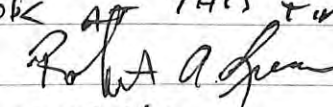
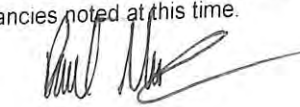
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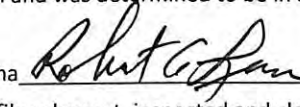
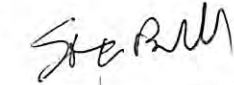
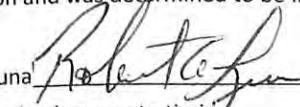
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
				11/9/17 Tach:3083.32 Drained oil and serviced with 10 quarts Phillips 20-50. Replaced oil filter with Tempest AA 48103-2 and checked for leaks. Stephen Bell ATP 1604675
N511KC				Tach: 3059.07
10/7/2017				Installed new Hartzell Sky-Tec 149NL starter S/N H-R070377. Weight and Balance updated and recorded. All work done I/A/W Piper service manual. The maintenance described has been inspected and approved for return to service with regard to maintenance performed
				Robert A. Luna 3186868A&P
N511KC				Tach: 3086.29
2/7/2018				Removed and replaced vacuum pump with new Rapco vacuum pump, P/N 215CC, S/N A67062. Checked installation of O/H shimmy damper P/N 15-9, S/N 4863. All work done I/A/W Piper service manual. The maintenance described has been inspected and approved for return to service with regard to maintenance performed
				Robert A. Luna 3186868A&P
N511KC	Tach: 3137.71	Eng TT: 4476.71		AD's checked thru 2018-10
7/2/2018		TSMOH: 761.99		
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
				Robert A. Luna IA3186868
Changed oil (11 qts Phillips 20/50) and oil filter (Tempest AA 48103-2) , replaced air filter element, inspected and cleaned fuel screen, checked magneto timing, Compression test taken: 1) 73/80, 2) 75/80, 3) 73/80, 4) 79/80, 5) 76/80, 6) 79/80, replaced all spark plugs. Inspected overall engine condition: intake and exhaust, hoses, lines, fittings, cleaned fuel injectors, mounts, accessories, engine control cables and electrical.				
Removed magneto, sent out for A.D. compliance 2005-12-06, reinstalled, timed to engine, run-up m.o.c.-ok, next due 3637.71.				
Replaced all spark plugs. Removed fuel injectors, cleaned and reinstalled.				
C/W A.D. 2015-19-07 Fuel injector lines per paragraph (e)(1)(ii)				
All work done I/A/W Lycoming and Piper service manuals and FAR 43, Appendix "D".				

SUB-TOTALS this page			
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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
TOTALS brought forward from previous page				
ENGINE MODEL: IO-540-K1G5D ENGINE S/N: L-20119-48A REG. NO: N511KC WORK ORDER: 25934				
 Legend Aviation LLC 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 928.717.1680				
DATE: 4/5/2019 A/C TSN: 4502.67 ENG TT: 4504.45 TSMOH: 1.5 TACH: 3163.67				
Engine Entries (8) (1) Engine disassembled, cleaned, inspected, repaired and overhauled this date. (2) Ferrous parts M.P.I. non ferrous parts F.P.I. (3) A.D's C/W- 66-20-04, 02-12-07, 04-10-14C1, 15-02-07, and 15-19-07. SB's C/W- 475C, 342G, 439A, 238, 240W, 543C, 508, and 515. SI's C/W-1533D, 1458G, 1535, 1154V, 1442A, 1424A, 1059E, 1241C, 1453B, 1112E SUPP1, 1509, 1142B, 1141A, 1343C, 1011N, 1029D SUPP1, and 1483A. (4) Crankcase LW-13827 and accessory housing LW-15700 repaired by Divco, INC. See maintenance release for details. Crankshaft P/N:LW17733 S/N: 73574-01, Counterweights 2 each P/N:73644 S/N:K950 - S/N: K951, and connecting rods P/N:LW10646 repaired by AEA CO., INC. See maintenance release for details. Oil Coolers 2 each P/N:8543897 S/N:78M-1454 and S/N:78B-1343 overhauled by R&E oil cooler services LLC. Fuel system overhauled by Airflow performance INC. see maintenance releases for details. (5) Case, accessory housing, and oil sump painted (6) Overhauled magneto P/N:10-682560-13 S/N:IO199026R. Disassembled. Cleaned. Inspected. Replaced parts listed on CWO# 19-069. C/W SB's and AD's. Returned unit to service per TCM service manual X42003-1. see maintenance release for details. (7) All engine mounted fluid hoses replaced with new hoses by Aero Performance. (8) Overhauled cylinders P/N 12993 6 each, see maintenance release and component work orders for details and parts replaced. (9) Assembled engine with new crank and rod bearings, Installed new 05K22721 camshaft kit and hydraulic units, Installed connecting rods with new bolts and nuts, New ignition harness and spark plugs, New fuel pump P/N:AF-15473 S/N:03HY12, New starter P/N:149NL S/N:H-s122591. Parts replaced meets MSB240W, see complete parts list in back of logbook, overhaul and repairs done I.A.W. Lycoming manual 60294-7-14 (11) Engine test cell run for 1.5 hours See Legend Aviation LLC. Repair order 10004 for additional details				
Technicians Who Worked On The Items Listed Above: Jim Davenport				
I certify that this engine has been inspected in accordance with the above inspection and was determined to be in airworthy condition.				
The aircraft engine identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this agency.				
DATE: 4/5/2019 SIGNED: Jimmy Davenport P3021062 Work Order: 25934 Printed by EBis 3 (datcomedia.com)				
 SKY ADDICT AVIATION 421 8th Ave SE St. Petersburg, FL 33701 Lyc. IO-540-K1G5D S/N L-20119-48A TACH 3203.5 TSMOH 41.3 08/01/19 N511KC Performed compression test as follows; #1 77/80 #2 78/80 #3 76/80 #4 77/80 #5 78/80 #6 77/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Phillips XC 20W50. Cleaned, inspected and gapped all spark plugs. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual/ 100hr checklist and has found to be in an airworthy condition.  Abraham Trujillo A4510588				

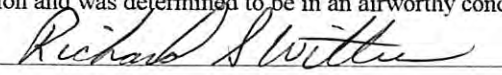
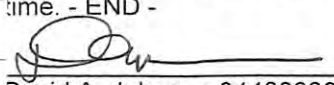
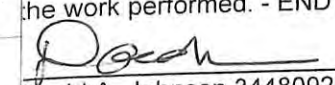
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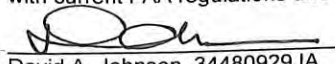
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
N511KC				Aerobear Aviation
5/5/2015				PO Box 185
				Cottonwood, AZ 86326
				Tach: 2817.34 hrs
				Eng TT: 4156.34 hrs
				TSMOH: 441.62 hrs
				AD's checked thru 2015-08
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
Robert A. Luna  IA3186868				
Checked oil and oil filter, checked air filter element, inspected and cleaned fuel screen, checked magneto timing.				
Compression test taken: 1) 78/80, 2) 77/80, 3) 72/80, 4) 79/80, 5) 74/80, 6) 79/80, cleaned & gapped spark plugs. Inspected overall engine condition: intake and exhaust, hoses, lines, fittings, mounts, accessories, engine control cables and electrical.				
C/W A.D. 2011-26-04 External Fuel Injector Lines per paragraph (h); C/W Lycoming 400 hr inspection.				
All work done I/A/W Lycoming and Piper service manuals and FAR 43, Appendix "D".				
6/28/15 Tach:2837.39				
Drained oil and serviced with 10 quarts Phillips 20-50w.				
Replaced oil filter with Tempest AA 48103-2 and checked for leaks.				
Stephen Bell ATP 1604675 				
11/19/15 Tach:2886.16				
Drained oil and serviced with 10 quarts Phillips 20-50.				
Replaced oil filter with Tempest AA 48103-2 and checked for leaks.				
Stephen Bell ATP 1604675 				
1/16/16 TACH TIME 2906.09 C/W AD 2015-19-07 PER PARA (e)(1)(ii)				
VISUAL INSPECTION OK AT THIS TIME				
DUE @ 3016 TACH.  IA 86868				
				
2650 W Shamrell Blvd Flagstaff Pulliam Airport Flagstaff, AZ 86001 928.779.9585 Phone 928.779.9586 Fax				
N511KC Powerplant				
Tach: 2913.13 FSO-51474				
February 18, 2016				
→ Replaced #6 cyl assembly, piston, intake rocker arm & shaft with overhauled parts. See yellow tag dated 01/18/16 from One Stop Aviation. Changed oil & filter. Serviced with Phillips XC 20w50. C/W AD 2015-19-7. No discrepancies noted at this time.				
David G Moore AP 3792211 				

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				
N511KC				Bob Luna Aircraft Maintenance
5/7/2016				PO Box 185
				Cottonwood, AZ 86326
				Tach: 2931.83 hrs
				Eng TT: 4270.83 hrs
				TSMOH: 556.11 hrs
				AD's checked thru 2016-08
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
Robert A. Luna  IA3186868				
Changed oil (11 qts Phillips 20/50) and oil filter (Tempest AA 48103-2) , checked air filter element, inspected and cleaned fuel screen, checked magneto timing, Compression test taken: 1) 77/80, 2) 75/80, 3) 74/80, 4) 77/80, 5) 77/80, 6) 77/80, cleaned and gapped spark plug. Inspected overall engine condition: intake and exhaust, hoses, lines, fittings, mounts, accessories, engine control cables and electrical.				
C/W A.D. 2011-26-04 External Fuel Injector Lines per paragraph (h)				
All work done I/A/W Lycoming and Piper service manuals and FAR 43, Appendix "D".				
10/18/2016 Tach:2982.26				
Drained oil and serviced with 11 quarts Phillips 20-50.				
Replaced oil filter with Tempest AA 48103-2 and checked for leaks.				
Stephen Bell ATP 1604675 				
N511KC Tach: 3004.15 Eng TT: 4342.62				
6/6/2017 TSMOH: 628.43				
A.D. checked thru 2017-08				
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
Robert A. Luna  IA3186868				
Inspected oil system , checked air filter element, inspected and cleaned fuel screen, check magneto timing,				
Compression test taken: 1) 77/80, 2) 79/80, 3) 78/80, 4) 79/80, 5) 78/80, 6) 79/80, cleaned and gapped spark plugs.				
Inspected overall engine condition: intake and exhaust, hoses, lines, fittings, mounts, accessories, engine control cables and electrical.				
C/W A.D. 2011-26-04 External Fuel Injector Lines per paragraph (h)				
All work done I/A/W Lycoming and Piper service manuals and FAR 43, Appendix "D".				

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
				Make: PIPER Model: PA-32R-301 Reg. No.: N511KC Order No.: 71505 Completed: 03/21/13 12:00A S/N: 32R-8013055 Tach Time: 2638.06 TTAF: 3978.52 Engine Log Type: IO540K1G5D S/N: L-20119-48A Total Time: 2638.06 SOH: 262.34 Changed oil and filter. Serviced with 12 quarts of Phillips 20/50 XC and a AA48110-2 oil filter. Inspected old filter with no contamination found. Performed runout inspection on Crankshaft Flange. Remove Engine from Airframe and remove Oil Pan and Accessory Case. Replace Crankshaft Retaining Bolt with new. Installed Pan and Accessory Case. Installed Engine to Aircraft with all new Lord Engine Mounts. Replaced all Spark Plugs with new. Installed new Engine Driven Fuel Pump. Installed Overhauled Magnetos and timed to Engine. Removed Starter. Clean, inspect and Install new brushes. Install to Engine. Install Exhaust system with all new Gaskets. Compression test as follows: #1 72/80 #2 73/80 #3 71/80 #4 70/80 #5 71/80 #6 72/80. Inspected fluid lines, fittings. Cleaned engine and performed run up and leak check with no leaks found. All engine ops checks good. I certify that this engine has been inspected in accordance with a 100hr inspection. <i>Signature: Stephen Hartwell</i> A&P 1604675 11/13/14 Tach 2698.98 Drained oil and serviced with 10 quarts Aeroshell 100 Plus. Replaced oil filter with Tempest AA 48103-2 and checked for leaks. Stephen Bell ATP 1604675 <i>Signature: Stephen Bell</i>
SUB-TOTALS this page				
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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
				TOTALS brought forward from previous page
				4-8-2014 N511KC Lycoming IO-540-A1G5D Ser# L-20119-48A On this date completed a annual/100hr inspection on this engine reference FAR 43 appendix (d). Compression test results #1 77/80 #2 78/80 #3 77/80 #4 76/80 #5 76/80 #6 75/80. All normal service work performed at the time of inspection. The following additional service work was performed at the time of inspection. Changed oil and filter, filter cut open and inspected for abnormal debris, none found. Oil pump inlet strainer removed and inspected for abnormal debris, none found. Install new Tempest 48103-2 oil filter. Replace inlet air filter with new Brackett BA-3. Removed and cleaned and inspected and re-gapped spark plugs. Inspect fuel injection lines in accordance with AD 11-26-04 found to be routed in accordance with Lycoming service bulletin 342G. All AD's complied with thru cycle 2014-06. See AD log for additional information. This engine has been run up all pressures temperatures and rpm normal at this time. This engine has been found to be in airworthy condition and is approved for return to service at this time. Engine total time 4077.82 Time since overhaul 363.1 Tach time 2738.82 David J. Peeler A&P/IA 261496391 <i>Signature: David J. Peeler</i>
10/14/14	2738.49			FILTER TEMPEST AA48103-2 LEAK CHECKED OIL CHANGED 10 QTS Phillips 20-50 X/C OK <i>Signature: Stephen Bell</i> ATP 1604675 DOG BONE LLC 540 W. AIRPORT CASA GRANDE, AZ. 85222 602-882-1940 N511KC MAKE: Lycoming MODEL: IO-540 -SER 16 March 15 TACH: 2809,37 Reported that the engine starter was not operational Towed aircraft to maintenance hangar Removed engine cowling, alternator, alternator and air conditioning mounting bracket Removed spinner, propeller and spinner backing plate along with air conditioning belt and alternator belt Removed aircraft starter and installed an overhauled starter of the same part number Reinstalled all listed components in reverse order and torque all mounting bolts and safety wired where necessary Ops check of the starter, ok Engine cowling reinstalled and aircraft towed to the line and secured Aircraft returned to service <i>Signature: Stephen Hartwell</i> STEPHEN HARTWELL A&P5275820831A

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				
AIR ONE SUPPORT, LLC 2252 Beechcraft Rd. Chickasha, OK 73018 (405)-224-1565				
Date: 10-06-2004 Tach Time: 2375.72 Total Time Engine: 3715 T.S.O. 0.0 W.O.# 679, 694				
This engine installed on Piper PA32R-301, N81550, S.N. 32R-8013055 with new Lord shock mounts, bolts, and nuts. Oil coolers overhauled by Drake Air, Inc. Flex fuel / oil hose replaced. Installed new oil quick drain valve. Serviced with 12 Qts. Aeroshell 80 mineral oil. Engine ground run and leak checked. Adjusted idle mixture and RPM. I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.				
Richard S. Witten A&P 2077668 				
SUPPLEMENTAL LOG BOOK ENTRY				
Reg: N511KC Model: IO-540-K1G5D S/N: L-20119-48A Date: 02-25-2005 Tach: 2397.6				
Drained oil, refilled with 11 quarts of Aeroshell W100 Mineral oil. Replaced oil filter with new P/C#CH48103-1. Split open oil filter, no foreign material found. Ground run, no oil leaks found at this time. - END -  David A. Johnson 34480929 A&P				
Reg: N511KC Model: PA32R-301 S/N: 32R-8013055 Date: 02-25-2005 Tach: 2397.6				
Pitot/Static/Transponder Test Performed by Tropic Radio next due 2/2007. Removed and replaced left main tire with new Goodyear Flight Custom III 6.00X6 8 ply, repacked wheel bearings. Remove old sealant from all aircraft windows and resealed with new sealant. Removed and replaced RH wing fuel selector valve P/N#1H65-5, S/N#3E repaired by Shaw Aero Devices #6766R. This maintenance was performed in accordance with the manufacturer's instructions and procedures, and the aircraft is approved for return to service with respect to the work performed. - END -  David A. Johnson 34480929 A&P				
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
TOTALS brought forward from previous page				
SUPPLEMENTAL LOG BOOK ENTRY				
Reg: N511KC Model: IO-540-K1G5D S/N: L-20119-48A Date: 08-19-2005 Tach: 2421.44 ENGTT: 1409.9 3700.44				
Drained oil, replaced oil filter with new P/C#CH48103-1. Refilled with 12 liters of Castrol Aviator AD100 oil. No foreign material found in old filter. Ground run, no oil leaks found at this time. This maintenance was performed in accordance with the manufacturer's instructions and procedures, and the aircraft is approved for return to service with respect to the work performed. - END -				
 Kristopher D. Stadler 594502494 A&P				
SUPPLEMENTAL LOG BOOK ENTRY				
Reg: N511KC Model: IO-540-K1G5D S/N: L-20119-48A Date: 04-10-2006 Hobbs: 2452.22 TSMOH: 1440.08 76.5 ENGTT: 3791.15				
Performed Annual Inspection in accordance with FAR Part 43, Appendix D. Complied with all applicable AD's thru 2006-15. AD2002-19-3 N/A by no turbo charger installed. AD98-17-11 N/A by No Nelson Balancing Services. AD97-15-11 N/A by Engine Overhaul Date. AD93-5-6 N/A by Bendix Ignition Switch Installed. AD95-7-1 N/A by engine model. AD92-12-5 N/A by engine serial number. AD2002-26-1 C/W by inspection of fuel injector lines, IAW with SB#342E. AD2004-10-14 N/A by no propeller strike at this time. AD2005-12-6 P/C/W by overhaul. Drained oil from engine, removed oil filter, split open to inspect for foreign matter. Replaced oil filter with new P/N AA48103, filled engine with 11 quarts of Aeroshell W100, added two cans of Avblend. Performed ground run to check for leaks. Clean, Gap all spark plugs. Performed Compression Checks 1>76,80 2>76,80 3>75,80 4>78,80 5>75,80 6>76,80. I certify that this Aircraft Engine has been inspected/repaired in accordance with an Annual inspection and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service. - END -  David A. Johnson 34480929 IA				
SUB-TOTALS this page				
TOTALS-Carry forward to next page				

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. ~~N81550~~ N511KC

Engine Manufacturer Textron Lycoming

Model IO-540-K1G5D

Serial No. L-20119-48A

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |

MAGNETO 10-682560-13
D6LN-3000-10
IO19902GR

AIR FILTER BRACKET
Assy # 6485710
TYPE BA104
ELEMENT B43

(All applicable information must be filled in)



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(516) 765-9375
1-800-235-6444
FAX: (516) 765-9359

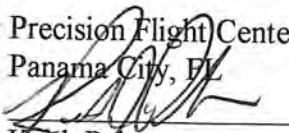
ENGINE LOG #2

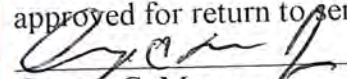


The Standard

ENGINE LOG

ASA-SE-1

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
				November 14, 2002, N81550 engine model Lycoming IO540K1G5D serial # L-20119-48A tach time 2280.88
				TSO 1841.1 Drained oil, replaced filter and serviced with 12 qts of Aeroshell 100; replaced all spark plugs; performed compression check #1 - 76/80; #2 76/80; #3 74/80; #4 70/80; #5 70/80; #6 70/80. See AD listing for compliance. I certify that this engine has been inspected I/A/W 100-hour inspection as per Piper/Lycoming maintenance manual and was determined to be in an airworthy condition.
				Precision Flight Center Panama City, FL  Keith Palmer A&P 2701905

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
				 PRECISION AIR SERVICES Panama City, FL. 11/01/03 N60410 S/N L-20119-48A Lycoming IO 540-K1G5D 2315.97 Tach 1792.38 TSMOH 3659.91TT Performed annual inspection; performed compression check - #1 74/80, #2 78/80, #3 76/80, #4 78/80, #5 64/80, #6 72/80 - see AD log for AD notes; Drained oil replaced filter, serviced with 11 quarts of aerosell 100, replaced intake gaskets, cleaned fuel nozzles. I certify that this engine has been inspected I/A/W an annual inspection is airworthy and approved for return to service.  George C. Meyer A&P 2128621211A

9-16-02 N81550 TACH 2262.7

Installed new vacuum pump p/n RA215EC,
S/N A5806; Run up & LEAK/OPS CHECK OK.

James E Phillips
IA426377553

ENGINE LOG #1

ENGINE LOG



NOTES

2019.57
17 July 01

Performed oil & Filter change.
Serviced with 12 Qts. 15W-50.
Oil filter element Insp. clw
no defects noted. CK CK clw
on run. no leaks note &
faulty. Def. Leo App 263578091

NOTES

Tech. 2185.93.
4-11-02

A/C REG. # 81550 4-11-02
TOTAL A/C TIME 35252 HRS. TACH TIME 2185.93

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN
ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL 100 HR
INSPECTION AS PER Piper PA-46-500 AND WAS
DETERMINED TO BE IN AN AIRWORTHY CONDITION,

D. M. Clif APP 866839240 T.A.
SIGNATURE CERTIFICATE NO./TYPE

At present All AD, Are
C.W. And Very few Items.
were Needed to Be Corrected.
This Annual. Historical Records.
And Maint. History Can Be Found
In my office. D. M. Clif
APP 866839240 T.A.
XPNDR ✓ Due. 5/03.

NOTES

4-4-01

TACH 1977.1

A/C T.T. 3316.3

TSO → 1537.4

This Engine has been Inspected
I.A.W. Annual Insp. & Determined
Airworthy - Return to Service
AP 518-78-3680 IA

Mark Day

NOTES

5/4/2001 A/C TACH 1982.79 A/C TT 3322.07 1543.09 SMOH
OIL & FILTER CHANGED - CH848103 FILTER & 10 QTs AGROSHET
15W50. ENG. CRD RUN. NO LEAKS NOTED. (CHECKED) MAG
TIMING. NO ADJ. REQUIRED.

MAINTENANCE RELEASE

The component identified on this document was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service with respect to the work performed.

Pertinent details of the repair are described on Work Order No. 12296

Signed J. Bowie Date 5/4/2001
(Signature of Authorized Inspector)

for DOTHAN JET CENTER
300 Flightline Drive
Dothan, AL 36303
(934) 952-1541

FAA REPAIR STATION
WDR215Y

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-26-00	Brought Forward →	1912.2	TTSON 1383.67	HAS.
				CHANGE OIL & FILTER 15W/40/Shell 50W
				COMPRESSION TEST ALL CYL. 74/80 OR BETTER.
				MAG & TIMING SET - INSTALL NEW MAG
				HARNESSES. CLEAN & GRIND PLOES. INSTALL NEW
				FUEL INJECTOR NOZZLES AND NEW LINES.
				INSTALL O/H FUEL INJECTOR AND FLOW
				DIVIDER. INSTALL O/H STARTER AND ALTERNATOR
				BEST. EXHAUST SYSTEM R+R AFTER O/H.
				INSTALL NEW FUEL & OIL LINES & COVERED
Total To Carry Forward				with FIRE SLEEVE. (CONTINUED)

and Remarks	Signature	Certificate No.
Installed NEW EGT Probe. Install O/H ALTERNATOR. INSTALL NEW Mixture CARBURE. All Fuel & Air FILTERS CHANGED. Lube All contacts & BR FOR TRAVEL. AD'S checked for compliance THRU THIS DATE. CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN/ID AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRCRAFT CONDITION. <i>[Signature]</i>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	⑦ CLEANED THROTTLE SERVO LATER		
		⑧ REGREASED ENGINE RUN-UP LEAF/OP'S		
		CHECK GOOD.		
		27 SEP 99	Time 19993	
		ENGINE has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.		
		Signature <u>Michael E. Hall</u>	No. <u>252824832</u>	IA
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
28 JUN 99		CHANGED OIL / FILTER. OLD ELEMENT		
434.9 Hours		INSPECTED. NO DEFECTS NOTED AT		
		THIS TIME. SERVICED AEROSHELL 100W.		
		Michael E. Hall		
		A & P 252924632		
Total To Carry Forward				

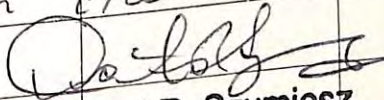
and Remarks	Signature	Certificate No.
27 SEP 99 ACCOMPLISHED ANNUAL INSPECTION INAW CHECKLIST.		
TACH 1599.3 ① CHANGED OIL / FILTER. OLD FILTER ELEMENT		
INSPECTED. NO DEFECTS NOTED AT THIS TIME.		
SERVICED AEROSHELL 100W.		
② C/W COMPRESSION CHECK #1 74/80 #2 74/80 #3 74/80		
#4 74/80 #5 74/80 #6 74/80		
③ REMOVED & REPLACED ENGINE DRIVEN FUEL PUMP		
④ MAGNETO TIMING CHECKED GOOD.		
⑤ REPLACED INDUCTION AIR FILTER		
⑥ REPLACED ALL CYLINDER OIL RETURN HOSES		
SEE NEXT PAGE →		

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-24-98	Tach 1419.42			
	Hobbs 336.1			
	12-24-98		Time 1419.42	I certify this
	Engine has been inspected in accordance with a <u>100 hour</u>			
	inspection and was determined to be in airworthy condition.			
	Signature <u>[Signature]</u>		No. <u>235025905</u>	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
10 MAY 99 HOURS 1471.52 TACH	REMOVED & REPLACED ALL CYLINDERS WITH LYCOMING FACTORY NEW. ALL CLEARANCES SET IAW MM. ENGINE RUN-UP LEAK / OP'S CHECK GOOD. Michael E. Hall A & P 252924632	SERVICED 100W MINERAL
3 JUN 99 HOURS 1482.36 TACH	CHANGED OIL / FILTER (10 HOUR) SERVICED NEW SHELL 100 W MINERAL RUN-UP LEAK / OP'S CHECK GOOD. Michael E. Hall A & P 252924632	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
				3) spark plugs cleaned, tested, rotated.
				4) compressions: 1 76 # 78 # 74 # 72 # 76 # 66 # 80, 2 80, 3 80, 4 80, 5 80, 6 80
				5) Eng run + leak ok good
				Date <u>7-1-98</u> Time <u>1255.9</u> I certify this
				<u>Engine</u> has been inspected in accordance with <u>100 HR</u>
				inspection and was determined to be in airworthy condition.
				Signature <u>Michael E. Hay</u> No. <u>HP 266912511</u>
Total To Carry Forward				

and Remarks	Signature	Certificate No.
10-6-98 TACH 1331.42		
DRAINED AND SERVICED OIL SYSTEM WITH 12 QTS AEROSHELL 50W.		
REPLACED OIL FILTER: OLD FILTER ELEMENT. INSPECTION C/W NO DEFECTS		
NOTED. ^{DR} REPAIR Ground ENGINE Run		
OK POP'S CH C/W		
		
	Daniel R. Szumiesz	
	A & P 003486222	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	ALL SPARK PLUGS. CLEAN ALL FUEL NOZZLES. REPLACED OIL FILTER. OLD FILTER ELEMENT INSP OK, NO DEFECT NOTED. Removed & REINSTALLED #2 CYL AFTER VALVE GUIDE REPLACEMENT. STOPPED Drilled CRACK'S ON EXHAUST SHAFT. ENG Run OP's & LK OK		
		3-18-98	1087.17	I certify this
		ENG		has been inspected in accordance with A-100
		INSPECTED AND WAS DETERMINED TO BE IN satisfactory condition.		
		SIGNATURE <i>[Signature]</i>		
				Daniel P. Szumiesz A & P 003486222
Total To Carry Forward				

and Remarks	Signature	Certificate No.
5-22-98 1165.88		
Drained oil + changed oil filter. CKed oil for F.O., were found. Serviced eng with 12 qts Aeroshell 100 oil. Cleaned, gapped + rotated spark plugs. Eng ran + leak ck good	Michael E. Hays	4p266912561
7-1-98 1285.9		
Performed 100 Hr Inspection IAW cklist. 1) Drained oil + changed oil filter. Filter ck good. Serviced eng with 12 qts Aeroshell 100 oil. 2) changed induction air filter.		

Cont next page →

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7-4-97	989.42			Changed Oil Filter. Filter ck g/w, no FO noted. Serviced engine with 12 qts Aeroshell 100 oil + new CH48103 Oil Filter. cleaned Cleaned eng + fan. Eng run + leak ck good. <i>Michael E Hoyle</i> Atp 266912561
Total To Carry Forward				

and Remarks	Signature	Certificate No.
12-4-97 TACH 1069.5 REMOVED PROP, INSTALLED A/C BELT & REINSTALLED PROP. REPLACED EXH GASKETS ON THE FOLLOWING CYLINDERS; #1, #3, #5 & #2. INSTALLED HELI- COIL AND EXH STUD IN #2 CYLINDER <i>Charles Philip</i> ATP 5763281597		
9-18-98 TACH 1087.17 Performed 100 hr Inspr Jan 100 hr Inspr checklist. Compression air clw = #1- $\frac{75}{80}$, #2- $\frac{74}{80}$ #3- $\frac{74}{80}$, #4- $\frac{73}{80}$, #5- $\frac{74}{80}$, #6- $\frac{67}{80}$. DRAINED & RESEVED OIL WITH 50W AEROSHELL 12 QTS, TIMED MAG'S. REMOVED, CLEANED, GAPPED, INSPECTED AND NOTED		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	923.9		FRONT EXH. MUFFLER REM. W/
				GEAR CORRECTLY INDEXED,
				RUN-UP OK, NO LEAKS
				AD# 93-05-10, 95-26-13,
Total To Carry Forward				

and Remarks	Signature	Certificate No.
AND REINSTALLED. PROP RET'D AND RING PROP. RELENGTHENED. ENG. WASHED. GRND. NOTED. C/W	Time 923.9 Date 21 MAR 9-1 ENGINE has been inspected in accordance with a 100 HR Inspection and was determined to be in airworthy condition. Signature Charles Philip	No. AEP 576328521
	Date 3-21-97 ENGINE has been inspected in accordance with a 100 HR Inspection and was determined to be in airworthy condition. Signature [Signature]	No. 4198472931A

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-27-96	Brought Forward →	872.65		DRAINED OIL AND CHANGE DEFECT NOTED. SERVICED ENGINE. GROUND RUN
21 MAR 97		923.9		PERFORMED 100 HR INSP. INSP'D NO DEFECT. SERVICED TESTED SPARK PLUGS. INSTALLED CYL. C/W CYL. COMPRESSION #5: 75/80, #6: 74/80. C/W RING. THIS SAME MAG. AND REINSTALLED AND
Total To Carry Forward				

and Remarks	Signature	Certificate No.
FILTER. OLD FILTER ELEMENT INSPECTED. NO 12 QTS 50W AEROSHELL OIL. WASHED AND LEAK CHECKED OK.	Charles Philp	AIP 576328597
DRAINED OIL & CHG'd ON FILTER. FILTER ELEMENT 12 QTS 50W AEROSHELL OIL. CLEANED, GROUND NEW PLUGS ON THE LOWER SIDE OF EACH TEST; #1: 76/80, #2: 72/80, #3: 76/80, #4: 75/80 AD 96-12-07 Implace Compliant SNAP WAS O/H BY APPROVED REPAIR STATION. TURNED.		
(CONTINUED NEXT PAGE)		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2-12-96	Brought Forward →	831.07	TACH	CHANGED OIL AND FILTER,
ETT	2170.07			MID 70'S, REPLACED CRANK -
PTT	2170.07			BELT IDLER PULLEY, REPLACED
ESMOH	302.07			MAG TIMING, CLEANED & TESTED
Total To Carry Forward				

and Remarks	Signature	Certificate No.
PERFORMED COMPRESSION CHECK ALL IN SHAFT NOSE SEAL, REPLACED ALTERNATOR ALTER. AND AIR COND. BELTS, CHECKED PLUGS —		
2-12-96	JAY	
Time 831.07		
ENGINE		
has been inspected in accordance with an ANNUAL		
has been determined to be in airworthy condition.		
<i>[Signature]</i>		
No. 415877293/A		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1/6/95	752.70			%w AD 93-05-10 Service And Part III Volkswagen 302743826 A+P
16 Nov 95	806.96			CHANGED OIL & FILTER. CONTAMINATION NOTED. 12 Q+4. ENGINE RUN
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Bulletin 955, Part I, & Part II		
FILTER ELEMENT INSPECTION E/W NOT		
SERVICE ENGINE WITH 40 W AEROSHELL		
C/w NOT LEAK NOTED		
Charles Philip A&P 576328597		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-7-94	752.64		Performed 100 Hr Inspection IAW Check	
ENG II	224.11		1st.	
			1) Drained oil + removed filter, filter OK CW	
			no FO noted. Serviced Eng with 12 qts AeroShell	
			100 + New oil Filter.	
			2) Spark plugs, cleaned, gapped, tested, rotated	
			3) Magns checked.	
			4) Compression test; #1 $\frac{78}{80}$, #2 $\frac{24}{80}$, #3 $\frac{78}{80}$, #4 $\frac{77}{80}$, #5 $\frac{78}{80}$, #6 $\frac{76}{80}$	
			5) Replaced Induction Air filter	
Total To Carry Forward				

cont

and Remarks	Signature	Certificate No.
6) Repaired muffler shroud		
7) Eng run + leak CK CW, no leaks noted.		
Date <u>12-7-94</u> Time <u>752.64</u> I certify that		
<u>Airframe</u> has been inspected in accordance with a <u>100 Hr</u>		
Inspection and was determined to be in airworthy condition.		
Signature <u>Michael E. Hays</u> No. <u>1266912561</u>		
Date <u>1-7-94</u> Time <u>752.64</u> I certify that		
<u>ENG</u> has been inspected in accordance with a <u>Annual</u>		
Inspection and was determined to be in airworthy condition.		
Signature <u>Steve Boyl</u> No. <u>12473608115</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-17-94	0737.94			Vacuum pump removed Installed PN 211CC run + ops ck of vac
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-4-93	Brought Forward →	147.5	676.0	CHANGED OIL AND FILTER, AND CAPROD PLUGS, SET WELD REPAIR AND RE- C/W AO 90-02-23 (HARTZEL)
11 APR 94	705.40 ^{TACH}			CHANGED OIL & FILTER - NOTED AT THIS TIME. SERVICED LEAK CHECK GOOD.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
SERVICED WITH 50 WT. AEROSHELL, CLEANED MAG. TIMING, REMOVED MUFFLER SHROUD FOR INSTALLATION, COMP. CHECK ALL IN MID 70'S. REPLACED FRONT BALL SEAL.		
11-4-93 TIME 676.0		
ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.		
Signature <u>[Signature]</u> No. 4192472931A		
OLD ELEMENT INSPECTED NO DEFECTS 12 QTS 50 WT AEROSHELL. ENGR RUN Michael E. Dun AIP 252924632		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7-8-92	620.11	DRAINED O.I., REPLACED O.I. FILTER, SERVICED W/12QTS AMMOHELL 15W-50 O.I., NO LEAKS NOTED		
		Steve S. Boyer A-P 473608715		
10-23-92	Hobbs	631.68		
		① Replaced alternator with exchange unit.		
		② Changed oil and filter		
		③ Replaced induction air filter		
		④ Compression $\frac{78}{80}$ $\frac{78}{80}$ $\frac{78}{80}$ $\frac{78}{80}$ $\frac{78}{80}$ $\frac{78}{80}$		
Total To Carry Forward				SEE NEXT PAGE

and Remarks	Signature	Certificate No.
⑤ Cleaned + gapped + tested sparkplugs		
⑥ Replaced magneto base gasket + retimed magneto to engine		
⑦ Tightened clamps on #1, 5, + 6 cylinder oil return tubes		
⑧ Cleaned + tested fuel nozzles		
⑨		
Date <u>10-23-92</u> Total <u>1970.68</u> ^{5 min} <u>103.15</u> I certify this engine has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Signature <u>Mark G. S. P+P</u> No. <u>491624842</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
28 NOV 90	TACH: 0548.44	OIL CHANGED AND FILTER CHANGED.		
		OIL - SAE 50 AEROSHELL 100		
		FILTER - CH 48103		
		OIL PRESSURE AND LEAK CHECK		
		PERFORMED		
	AEP Change	100608429		
Total To Carry Forward				

and Remarks	Signature	Certificate No.
09/04/91 TACH - 580.38		
oil changed, Filter Replaced, Aeroshell 100 50, 11 QTS		
and Filter CH 48103 installed, Timing & MAG check c/w		
Plugs Removed, cleaned, gapped, checked & rotated and Reinstalled		
Exhaust Removed, crack repaired & exhaust Reinstalled, run, Leak,		
and ops. ck c/w. All AD's checked T.L 18-91, AD 90-02-23		
Date 09/04/91 Time 580.38 I certify this		
prop Hub Insp CH ENG has been inspected in accordance with a 100HRC		
inspection and was determined to be in airworthy condition.		
Signature: [Signature]		
Date 9-4-91 Time 580.38 I certify this		
engine has been inspected in accordance with a annual		
inspection and was determined to be in airworthy condition.		
Signature: [Signature] No. 491629842		

-Q-150

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	Coolers were pressure checked and flushed Propeller governor & propeller were flushed. See yellow tags for above items Engine runn OK Mark N. Pyle A-P 491624842			
9-5-90	Tach 528.53			Installed this engine on N8155D with new mounts and replaced all flex fluid lines. Serviced with 12 qts Arco Shell 50 Serviced air conditioner Engine runn OK Mark N. Pyle A-P 491624842 All AD's 9w to date
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Date <u>9-4-90</u> Tach <u>528.53</u> I certify this engine has been inspected in accordance with a <u>100HR</u> inspection and was determined to be in airworthy condition. Signature <u>Mark N. Pyle A-P</u> No. <u>491624842</u>		
Date <u>9-4-90</u> TSMOH 0.0 Tach <u>528.53</u> I certify this engine has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Signature <u>Con / Lenz</u> No. <u>IA-183187</u>		
all H.O.C. checked thru 9/18		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/13/89	Brought Forward →			
TACH 409.3	Installed	211CC VACUUM PUMP.		
2/29/89 - 4/12/92	TACH RUN UP & LEAK CHECKED	OIL & FILTER CHANGED - FILTER INSPECTION - O.K.		
10/21/89 - 4/4/90	TACH RUN UP & LEAK CHECKED	OIL & FILTER CHANGED - FILTER INSPECTION - O.K.		
2/17/90	TACH 497.6	OIL & FILTER CHANGED - PLUGS CLEANED & GAPED & TESTED - RUN UP & LEAK CHECK		
6-26-90	Tach	528.53	ETT SMON 1867.53 + ETT	
	from	N 81550	Removed this engine	
	Mar 91	Pyle	AHP 491624842	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9-4-90 Tach 528.53 Engine TT 1867.53 Overhauled engine in accordance with Lycoming overhaul manual. Crankshaft was polished + is found to be standard on both mains and rod bearings. Installed new crankshaft, pistons, rings, pin plugs, valves, valve springs, keys, and all gaskets and seals. Installed reconditioned cam followers, rocker arms, connecting rods, and gears. Installed overhauled magnetos, fuel servo, fuel distributor, and fuel nozzles. Installed new magnetos harness and spark plugs. See yellow tags. Cylinders are reconditioned overhauled chromalume.		
Over ENGINE O/I/T		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/26/88	Brought Forward →	TAC-230.8	-	SMOH+TT-1569.8
	CHANGED OIL & FILTER -	ACCO STEEL 15W-50		
	103 T. & REAR CHECK	ARMOR 2 C&D		
	PLUGS REMOVED -	CLEANED, GAPED & ROTATED		
9/21/88	-	TAC-285.2	-	1624.8 SMOH+TT
	CHANGED OIL & FILTER -	CLEANED AIR		
	FILTER & ENG -	RUN UP & LEAK CK		
2/28/89	TAC-349.9	TTAC-1684.9	-	CHANGED OIL & FILTER
				CLEANED AIR FILTER /
				INSTALLED NEW SPARK
				PLUGS - WASHED &
				WAXED ACFT
Total To Carry Forward				

and Remarks	Signature	Certificate No.
6-1-89 TACH 398.4 SMOH 1737.4		
CHANGED OIL + FILTER, SERVICED WITH 15W50 ARMOSEAL		
CLEANED + GAPPED PLUGS, CHECKED MAG TIMING, REPLACED		
CENTER + REAR MUFFLER ASSOYS. USING NEW PARTS + HARDWARE,		
COMP. CHECK #1-72 #2-76 #3-76 #4-76 #5-74 #6-74		
CLEANED FUEL NOZZLES, REPLACED INLET AIR FILTER PUR AD. 84-26-2		
DEGREASED ENG, GROUND RUN SHOWED NO LEAKS,		
Date 6-1-89 TACH Time 398.4 I certify this		
ENGINE has been inspected in accordance with a		
Inspection and was determined to be in airworthy condition.		
Signature [Signature] No. 411847293119		

1739

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-9-87	Brought Forward →	1457	117.8 TAC	CHANGED OIL + FILTER - WITH ACROSHELL 15W-50W - CLEANED + GAPPED SPARK PLUGS - LUBRICATED ENGINE - CLEAN AIR FILTER - LUBRICATED HANDLE GEAR C.D. Dean CF11-471716
12/17/87	Tach 139.2	smoth 1478.4		Replaced Alt and A/C Belts. Replaced Alt and A/C idler pulleys. Removed and Reinstalled Prop with new "E" ring. Ryn and Leak CK. Michael Panamore
Total To Carry Forward				AAP 264378801

and Remarks	Signature	Certificate No.
2/2/88 - TAC 169.9 - CHANGED OIL + FILTER - ACROSHELL 15W-50W - CHECKED + GAPPED PLUGS - CHECKED AIR FILTER. C.D. Dean CF11-471716		
4-1-88 TACH 184.4 smoth + T.T. 1523.4 CHANGED OIL + FILTER, CLEANED + GAPPED PLUGS, CHECKED MAG. TIMING, DRESSED PROP, COMP. CHECK #1-88 #2-71 #3-74 #4-70 #5-74 #6-72 CLEANED FUEL NOZZLES, REPLACED ALL EXHAUST GASKETS WITH BLOW-PROOF, SERVICED WITH ACROSHELL 15W50		
DRESSED ENG. + RUN-UP CHECKED		
Date 4-1-88	Total 1523.4	I certify this
ENGINE has been inspected in accordance with	an ANNUAL	
Inspection and was determined to be in airworthy condition.	4198472931A	No.
Signature [Signature]		

and Remarks	Signature	Certificate No.
227222747476 OIL + FILTER ATA AIR FILTER ATA ALT WASH PAINT EUB BODY WASH DOWN CAB CU OPERAL.	AIRCRAFT ENGINEERING INC. Bartow Airport 813 / 533-1870 Repair Station FAA Approved #764-84 Date <u>10/2/02</u> TAC <u>64</u> TT <u>1403</u> I certify that this <u>EUB</u> has been inspected in accordance with an <u>AD</u> inspection and has been determined to be in airworthy condition. AD's thru card <u>87-2</u> AD list back of log book. <u>5136</u> For details work order # <u>511</u> <u>John</u> Signature	Rating

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	1388	49	QW TEST
	AIRCRAFT ENGINEERING INC. Bartow Airport 813 / 533-1870 Repair Station FAA Approved #764-84			80051 7272 7274 7476
Date 2-15-86	TAC 49	TT 1388		011 5 FILTER 11ct
I certify that this <u>A/C ECU</u> has				AD 78-9-7 FSD
been inspected in accordance with an <u>A</u>				01H OMAK ASSY.
inspection and has been				84-26-2 R+R AIR
determined to be in airworthy condition.				FILTER ASSY
AD's thru card	86-2			R+R AIR ALCT
AD list back of log book.	4279			WASH ASPEN RCM
For details work order #	<u>AM E</u>	<u>On</u>		WA OMAKAL
	Signature	Rating		
Total To Carry Forward				7104717

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4-10-85	T.T. 11.9	Changed oil and filter, serviced with 10qts. of 50w Quoshell oil and 481303 filter. Run up checked for leaks - OK.		
Total To Carry Forward				

and Remarks	Signature	Certificate No.
2/3/85 ALN 45.8 REPLACED LEFT CAPACITOR - (LT. MAG). RUN-UP CHECK OK. Maintenance as specifically described above has been performed per current federal air regulations, and as such was determined airworthy (no further accomplishment or compliance is implied). ref. w/o # <u>337-2</u> FAA Approved Repair Station # 707-7 <u>Larry A. Way</u> Authorized Signature		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7/5/84	Brought Forward →			
Hamthorne Aviation	Repair Station No. 3666			
Charleston, S.C.	Class 3, Radio 1 & 2, Limited Ratings			
HOURS 1297	DATE 11-1-84			
AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A MINIMUM INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				
WORK ORDER NO. 14217	DATE 10-26-84			
SIGNED Frank B. Bedard Inspector				
See rear of A/C Log for AD SR				
VSA Compliance				
Total To Carry Forward				

Oil & Filter Changed
Shell W50. Replaced
all spark plugs
Cleaned fuel nozzles
Differential Pressure
80# @ 75 @ 75
@ 75 @ 75 @ 75
@ 75

and Remarks	Signature	Certificate No.
1-3-85 Tach 1335.2 Engine reinstalled after installation of new engine mount. Engine runs all systems for operation check for Frank B. Bedard Inspector		
Hamthorne Aviation Municipal Airport Charleston, S. C. FAA APPROVED REPAIR STATION #3666		
OLD TACH 1339 HRS.		
2-18-85 Tach 000:1 hrs prop changed no 5/16 AW 70. Replaced starter drive shaft, bearing & bendit drive gear & prop to alternator drive belt idler bearing Frank B. Bedard Inspector		
Hamthorne Aviation Municipal Airport Charleston, S. C. FAA APPROVED REPAIR STATION #3666		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hawthorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings				<i>Oil & Filter Changed</i> <i>Shell W50. Differential</i> <i>Pressure 80^H @ 77</i> <i>Q75 Q73 Q72 Q76 Q78</i> <i>Q76 AD 7242-6 RPM Stroke</i> <i>Checks removed all rocker</i> <i>covers + inspect Shafte + Springs</i> <i>Checked fuel Weygler</i>
HOURS 1198 DATE 3-22-84 AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Visual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. 13351 DATE 3-20-84 SIGNED <u>Frank B. Bedard Sup.</u>				
<i>See rear of Q/C Log for RP</i> <i>SB Sh Compliance.</i>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<i>4-12-84 Tach 1207.8 hrs. Replaced Alt belt with new</i> <i>belt. Ground run for operation & leaks.</i> <i>Dwayne Pittsburger ATP 576887320</i>		
<i>7/5/84 Tach 1254.8 Changed oil & filter.</i> <i>Serviced with 10 qts. 50W. Ground Run</i> <i>& leak checked. James R. Russell</i> <i>ATP 241272477</i>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hubbards Aviation Charleston, S.C.	Repair Station No. 3666 Class 3, Radio 1 & 2, Limited Ratings			<i>Oils Filter Changed</i> <i>Shell W 50. Differential</i> <i>pressure 80/175 @ 75</i> <i>378 476 577 678</i> <i>Cleaned fuel nozzles</i> <i>& distributor stem.</i> <i>Replaced alternator</i> <i>Brusher SB 467</i> <i>Bendix RS 88 N/A</i> <i>Up #. Qw AD 77-12-6</i>
HOURS <i>1096</i> DATE <i>11-1-83</i> AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. <i>13038</i> DATE <i>10-28-83</i> SIGNED <i>Frank E. Feltz Supv</i>				<i>See rear of A/C Log for AD</i> <i>SB & SL Compliance</i> <i>per SB 118 probe check of Tach</i>
Total To Carry Forward				

and Remarks	Signature	Certificate No.
12/14/83 TT 1155 2 CHANGED OIL & FILTER NO SOW AEROSHELL. GROUND ROLL NO LEAKS. Richard Bannister AOP 250 257611		
2-2-84 Tank 1172 Replaced Alternator belt. Richard Bannister AOP 250 257611		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hawthorne Aviation	Repair Station No. 3666			Oils & Filter Changed
Charleston, S.C.	Class 3, Radio 1 & 2, Limited Ratings			Shell W 50. Differential Pressure 80#?
HOURS 994.7	DATE 7-12-83			① 70 ② 73 ③ 78 ④ 76
AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Current INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				⑤ 75 ⑥ 67 Replaced alternator belt & alternator Pulley.
WORK ORDER NO. 12693	DATE 7-7-83			q/w AD 78-9-7-R2 Impulse insp.
SIGNED Frank B. Bedard Insp.				per SB 599B - May-10-3B2560-13
See rear of A/C Log for AD				S/N 23641.
SBY SH Compliance				
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hawthorne Aviation Repair Station No. 3666 Charleston, S.C.	Class 3, Radio 1 & 2, Limited Ratings			
HOURS 900	DATE 4-13-83			
AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				
WORK ORDER NO. 13139	DATE 4-8-83			
SIGNED Frank B. Bedard Sup.				
See rear of log for HP				
LB & SH. Reeking				
Total To Carry Forward				

Edo Filter Changed

Aero Shell W50

Cleaned fuel nozzles.

Differential Pressure

Checked 80# / 1"

① 70 ② 73 ③ 72

④ 70 ⑤ 73 ⑥ 71

and Remarks

Signature

Certificate No.

6/20/83 TT 979. changed alternator belt & checked tension using meter.

Ground run check OK.

Richard Barwick A#P 25025761

6-28-83 Taxi Time 990.0 REPLACE ALTERNATOR BELT w/new

P/N 452823. GROUND RUN A/C.

Charles H. Cummins A#P 327509920

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hawthorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2; Limited Ratings				
HOURS 746.1 DATE 10-5-82 AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS <i>Engine</i> HAS BEEN INSPECTED IN ACCORDANCE WITH A <i>Manual</i> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. 11829 DATE 10-4-82 SIGNED <i>Wendy R. DeLoach</i>				
<i>Oil & Filter Changed Shell 1052.</i> <i>Differential Pressure 80/1074 @ 75 (3) 1074 @ 74 @ 75</i>				
Total To Carry Forward				

*See rear of the Qc Log
for AD & SH Compliance*

and Remarks	Signature	Certificate No.
<i>TT 852.1 12/19/82. changed Oil & filter 50W Aeroshell. ground leak check OK. Richard Bannister AIP 25025764</i>		
<i>22 Dec 82 - Tach 867. Rep/scr1 ALL P/uss [Signature] AIP 246401588</i>		
<i>25/5/83 - Tach 958 HRS. Chg oil & Filter 50W aeroshell [Signature] AIP 246401588</i>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	6-16-82	Tach 753 hrs.	Charged
				Oil & Filter Shell w/50. Ground run & Cck checked. Frank D. Deard Inspector
				Hanthorne Aviation Municipal Airport Charleston, S. C. FAA APPROVED REPAIR STATION #3666
9/20/82	792 hrs.		Replaced Air Cond. & Alternator belt.	Ground checked O.K. Wilfred J. Jensen
				Hanthorne Aviation Municipal Airport Charleston, S. C. FAA APPROVED REPAIR STATION #3666
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9-23-82 Took 292 hr AD 82-20-1 Mag impulse hardness test N/A by me on Mag per 50623. Mag. P/N 10-382560-13 D6LN-2031 S/N 23641 Frank B. Bedard Insp.	Hammthorne Aviation Municipal Airport Charleston, S. C. FAA APPROVED REPAIR STATION #3006	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	9-8-82	Tach 658 hrs.	Change Oil
			+ Tilt	Shell W50. Inspect run +
			checked for leak.	
			Frank B. Bedard Inspector Gen	
			Hawthorne Aviation	
			Municipal Airport	
			Charleston, S. C.	
			FAA APPROVED REPAIR STATION #3666	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Hathorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings HOURS 699 DATE 5-5-82 AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100% INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. 11305 DATE 5-3-82 SIGNED Frank B. Bedard Insp.	<i>Difficult to Read</i> 10 # 174 275 375 472 576 475	
See rear of A/C Log for AD. RA & SL Compliance Oil & Filter Changed. Shell 50cc QW SR 617 Bendix Kit # 10-682016 on DELN-2031 10-382560-13 S/N 23641		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Brought Forward →				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Hathorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings HOURS 599.36 DATE 12-30-81 AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. 12719 DATE 12-21-81 SIGNED [Signature] Jr Inspector		
<i>See rear of A/C Log for AD & Bv & L Compliance</i> <i>Oil & Filter Changed Shell W50.</i> <i>Differential Pressure 80/1074 @ 76 @ 76 @ 65 @ 73 @ 75</i>		

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4/28/81	Tach. 308.	Remained starter		ADP 51194
	↓ Cyl head g. replaced	Wilfred Jensen		
6-2-81	Tach 353	Changed Oil & Filter		Shell W50
	Jensen B. Bedard	18132 7794		
2 Jul 81	Tach 478.	Chg'd oil & Filter		
	Aeroshell 50W			
Total To Carry Forward				ADP 24640/580

and Remarks	Signature	Certificate No.
Hathorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Rating:		
HOURS <u>497.60</u> DATE <u>12 Aug 61</u> AT THE TIME OF INSPECTION CERTIFIED THAT THE ENGINE IS IN INSPECTED IN ACCORDANCE WITH <u>100</u> INSPECTION AND WAS DEEMED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. <u>1020</u> DATE <u>8 Aug 61</u> SIGNED <u>[Signature]</u> AIP 2464015 60	<u>Mag. DGLN-2031</u> <u>10-382560-13</u> <u>S/N 23641</u>	
Comp CK ① 75 ② 75 ③ 74 ④ 74 ⑤ 75 ⑥ 76 dw AD 78-9-7 h2 Bendix M29 Impulse 1/24 See Back of Acth Log AD's 54's + SP Compliance Chg'd oil & Filter used 50 W oil		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
		Hathorne Aviation	Repair Station No. 3666	
		Charleston, S.C.	Class 3, Radio 1 & 2,	
			Limited Ratings	
		HOURS <u>300</u>	DATE <u>12-1-80</u>	
		AT THE TIME OF THIS INSPECTION IT IS		
		CERTIFIED THAT THIS <u>Engine</u> HAS BEEN		
		INSPECTED IN ACCORDANCE WITH A <u>100 hr</u>		
		INSPECTION AND WAS DETERMINED TO BE		
		IN AIRWORTHY CONDITION.		
		WORK ORDER NO. <u>9327</u>	DATE <u>12-1-80</u>	
		SIGNED <u>Frank B. Ballard</u>		
See rear of A/C Log for H.O. SB & SL Compliance				
Oil & Filter Changed Shell W50.				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
1/19/81 Tack 348 - changed oil & filter. 50W. Wilfred J. Jensen AXP1511390		
Hathorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings		
HOURS <u>399</u> DATE <u>4-14-81</u>		
AT THE TIME OF THIS INSPECTION IT IS		
CERTIFIED THAT THIS <u>Engine</u> HAS BEEN		
INSPECTED IN ACCORDANCE WITH A <u>100 hr</u>		
INSPECTION AND WAS DETERMINED TO BE		
IN AIRWORTHY CONDITION.		
WORK ORDER NO. <u>9785</u> DATE <u>4-10-81</u>		
SIGNED <u>Frank B. Ballard</u>		
See rear of A/C Log for H.O. SB & SL Compliance		
Changed Oil & Filter Shell W50		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
		8-8-80 tach 127 hrs. Replaced		
		Edo Air Vac pump with a vacuum		
		pump.		
		Frank DeLoach Inspector		
		Hawthorne Aviation		
		Municipal Airport		
		Charleston, S. C.		
		FAA APPROVED REPAIR STATION #3666		
		9/3/80 tach 157 Changed Air & filter.		
		10 p.m. 10/1/80 Willard J. Denny #4P1511390		
		Hawthorne Aviation		
		Municipal Airport		
		Charleston, S. C.		
		FAA APPROVED REPAIR STATION #3666		
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Hawthorne Aviation Repair Station No. 3666		
Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings		
HOURS 200 DATE 9-26-80		
AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100% INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
WORK ORDER NO. 9865 DATE 9-25-80		
SIGNED Frank DeLoach Insp.		
See rear of this Aircraft Log for AD, SB & ST Compliance. Oil & Filter Changed Shell W50.		
11/6/80 tach 261 hrs. Changed Oil & filter		
Willard J. Denny #4P1511390		

ENGINE DESCRIPTION

Manufacturer

LYCOMING - WILLIAMSPORT, PENNA.

Serial No.

L-2019-48A

Horsepower:

300

Model:

IO-540-K165D

FAA T. C. No.

124

Engine Accessories

Serial No.

Weight