

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/25/2005	Tach Time: 4109.93	TT in Service: 6415.30 Hobbs: 2266.9
		Lycoming IO-360-B1E, SN RL-5345-51A overhauled IAW Lycoming overhaul manual. SB 240S, SB524, SB342E, and SB475C C/W. The following parts are new or overhauled: Crankcase SN 2951 overhauled by Crankcase Services USA, Ltd W/O # CSU5996; 4 new ECI Cerminil cylinder assemblies PN AEL65102; crankshaft SN R40784-1, overhauled by Rick Romans, Inc ground M.006-SB505B, SB530, and AD2004-10-14 (new crank bolt installed) C/W; 1 SL11020M06 bearing, 2 18A19441-M06 bearing, 8 SL13521AM06 bearing; 4 rocker arms PN 69444 and 4 rocker arms PN 74636 reconditioned; 4 connecting rods PN 74502 reconditioned and installed with new bolts PN 74644; 8 tappet bodies PN 72877 overhauled; replaced camshaft with reconditioned PN LW18840 SNR40768-1; overhauled crank gear PN 13S19646; 2 idler gears, 2 idler gear shafts, tach drive shaft, fuel pump plunger, oil pump shaft and 8 pushrods inspected and reconditioned; All steel work accomplished by Rick Romans, Inc. W/O #40784; new fuel pump PN 41234 SN AA19327; Bendix carburetor PN2524297-10 SN16079/4 and Bendix flow divider PN2524397 SN696B overhauled by Martin Induction Systems, Inc. WO # 4904; prop governor drive housing cleaned and polished, prop governor PN F-2-&A SN 3998W overhauled by Aircraft Accessories of Oklahoma, Inc WO#17762; new vacuum pump PN 211CC SN 116473; New Knisely Welding Exhaust; 2 muffler PN67517, 2 clamps PN C5051-1P, LF riser PN 67617, LR riser PN67618, RF riser PN 67619, RR riser PN 67620; New muffler shrouds by AWI, Inc PN 67808-00 SN 85446 and PN67651-00 SN 85447-AD 80-19-01 C/W; vernatherm valve PN SL53E19600; Gasket set PSI75439-1; ball and spring PNSJ1028-B and PNSL1084; new oil pump impeller PNLW-18109 and PN LW18110; 8 STD-821 oil return hose; 4 intake hose PN 69603; ignition harness PN M2365; 2 inter-cylinder baffles PN75339; All hardware replaced with new IAW Lycoming IPC. Installed new Bracket air filter PN BA-10, new Champion 48-110 filter, 8 qts Phillips X/C SAE 20-50. 8 new Champion REM-40E plugs Bruce A. Shipp [REDACTED] A&P [REDACTED]

INSPECTION & MAINTENANCE RECORD

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TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

7/25/2005

Tach Time: 4109.93

TT in Service: 6415.30

Hobbs: 2266.9

Annual inspection completed. Engine overhauled IAW Lycoming Overhaul Manual. See previous engine log entry for overhaul. I certify this engine has been inspected IAW an Annual Inspection and was found to be in airworthy condition.

Richard [REDACTED]

A&P [REDACTED] IA

8/03/2005

Tach Time: 4121.89

TT in Service: 6427.26

Hobbs: 2278.5

Aircraft test-flown following overhaul for 12.0 hours. Engine serviced with new Champion 48-110 filter and 8 qts Phillips X/c SAE 20-50. Filter cut and checked OK. Plugs removed and inspected. Oil screen removed and inspected. Engine run and no leaks found. Aircraft returned to service.

Bruce A. Shipp [REDACTED]

A&P [REDACTED]

10/28/2005

Tach Time: 4160.07

TT in Service: 6465.44

Hobbs: 2317.2

Engine serviced with new Champion 48-110 filter and 8 qts Phillips X/c SAE 20-50. Filter cut and checked OK. Plugs removed and inspected. Oil screen removed and inspected. Engine run and no leaks found. Aircraft returned to service.

Bruce A. Shipp [REDACTED]

A&P [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
02/06/2006	M	Tach Time: 4202.05 TT in Service: 6507.42 Hobbs: 2359.7
		100 Hour Inspection completed. Compression test #1-75, #2-71-#3-74, #4-70 (Cold). Cleaned and gapped all plugs. Installed new Champion 48-110-1 filter and 7 qts Aeroshell 80 oil. Filter cut and inspected with no defects noted. Leak check good. I certify this engine has been inspected IAW 100 hour inspection and was found to be in airworthy condition.
	Bruce A. Shipp	[REDACTED] A&P [REDACTED]
06/13/2006		Tach Time: 4257.8 TT in Service: 6564.17 Hobbs: 2415.6
		Annual Inspection completed. Compression test #1-75, #2-74-#3-74, #4-74. Cleaned and gapped all plugs. Installed new Champion 48-110-1 filter and 8 qts Phillips XC-SAE 20- 50 oil. Filter cut and inspected with no defects noted. Leak check good. Re-torqued 3 case bolts on lower front of engine. Replaced capacitor on left magneto with PN TCM 10-349276D. I certify this engine has been inspected IAW an annual inspection and was found to be in airworthy condition.
	Richard B. Th	[REDACTED] A&P /IA [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
06/24/06 <i>07 PM</i>		Tach Time: 4274.19 TT in Service: 6479.56 Hobbs: 2432.8
		100 Hour Inspection completed. Compression test #1-76, #2-75-#3-75, #4-77. Cleaned and gapped all plugs. Cleaned engine and lubricated all controls IAW Piper PA-28 service manual. Installed new Bracket air filter PN BA-10. Installed new Champion 48-110-1 filter and 8 qts Phillips X/C SAE 20-50. Filter cut and inspected with no defects noted. Leak check good. I certify this engine has been inspected IAW 100 hour inspection and was found to be in airworthy condition.
	Bruce A. Shipp	A&P
10/24/07		TACH TIME 4304.64 Change oil filter with 20W50 SAE 8 qts. Check filter for no metal found. Wash engine down and run check for leaks no leaks found. A&P

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE

TOTAL
TIME



8-14-2008

785-354-7055

Billard Airport

Topeka, Ks 66616

R. S. # M12R006L

W. O. #08-2360 TSMOH 239.3 hrs T.T.6654.6 Tach: 4349.2 hrs

Changed oil and filter and serviced with Phillips 20w50 X/C . Checked comp all 77/80 or better .
Cleaned all spark plugs . C/W AD 2008-14-07 by insp of fuel inj lines . Set Lt mag timing This engine
has been inspected I/A/W an Annual Inspection and was determined to be in Airworthy condition.
Test ran OK

Engine Log

N3790T

IO-360-B1E

S/N:RL-5345-51A

KEITH HETRICK

INSPECTION & MAINTENANCE RECORD

[illegible]

785-354-7055
Billard Airport
Topeka, Ks 66616
R. S. # M12R006L

Engine Log
N3790T
IO-360-B1E
S/N:RL-5345-51A

10-1-2009 WO#09-2737 TSMOH 319.5 hrs Tach: 4429.4 hrs T.T.6734.8hrs
Changed oil and filter and serviced with Phillips 20w50 X/C . Pulled #1 &2 intake tubes replaced #1 tube p.n.71712 and reinstalled #2 with new gasket . Replaced #1 exhaust pipe with new unit from ASW. Replaced all spark plugs . C/W AD 2008-14-07 by insp of fuel inj lines . C/WAD 95-26-13 by insp of hoses . This engine has been inspected I/A/W an Annual Inspection and was determined to be in Airworthy condition. Test ran OK

KEITH HETRICK

DATE



785-354-7055

Billard Airport

Topeka, Ks 66616

R. S. # M12R006L

1-24-2011 WO#10-3132 TSMOH 422.1 hrs Tach: 4532.0 hrs

Changed oil and filter and serviced with Phillips 20w50 X/C . Cleaned all spark plugs . C/W AD 2008-14-07 by insp of fuel inj lines . C/WAD 95-26-13 by insp of hoses . This engine has been inspected I/A/W an Annual Inspection and was determined to be in Airworthy condition. Test ran OK

Engine Log

N3790T

IO-360-B1E

S/N:RL-5345-51A

T.T.6837.0hrs

KEITH HETRICK



785-354-7055

Billard Airport

Topeka, Ks 66616

R. S. # M12R006L

10-17-2011

WO#11-3365

Changed oil and filter and serviced with Phillips 20w50 X/C . Test ran OK

Engine Log

N3790T

IO-360-B1E

S/N:RL-5345-51A

Tach: 4598.0 hrs

KEITH HETRICK

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.



1-20-2012

785-354-7055
Billard Airport
Topeka, Ks 66616
R. S. # M12R006L

W. O. #12-3459 TSMOH 493.1 hrs T.T.6908.4 Tach: 4603.0 hrs

Checked comp all 70/80 or better. Removed oil filter, checked for metal, none found. Installed new oil filter. Cleaned & gapped all spark plugs. This engine has been inspected I/A/W an Annual Inspection and was determined to be in Airworthy condition. Test ran OK

KEITH HETRICK

Engine Log
N3790T
IO-360-B1E
S/N:RL-5345-51A



785-354-7055
Billard Airport
Topeka, Ks 66616
R. S. # M12R006L
5-10-2012

Tach: 4623.6

Drained oil, removed filter & inspected, no metal found. Installed new filter, serviced engine with 8 qts. Phillips 20w50 X/C. Ran up & leak checked, no leaks found. Test ran OK

KEITH HETRICK

Engine Log
N3790T
IO-360-B1E
S/N:RL-5345-51A
W. O. #12-3565

DAT



785-354-7055
Billard Airport
Topeka, Ks 66616
R. S. # M12R006L
11-14-2012

Engine Log
N3790T
IO-360-B1E
S/N:RL-5345-51A
W. O. #12-3752

Tach: 4665.5 hrs

Drained oil, removed filter & inspected, no metal found. Installed new filter, serviced engine with 8 qts. Phillips 20w50 X/C. Ran up & leak checked, no leaks found. Test ran OK

KEITH HETRICK



785-354-7055
Billard Airport
Topeka, Ks 66616
R. S. # M12R006L

Engine Log
N3790T
IO-360-B1E
S/N:RL-5345-51A
T.T.6993.2 hrs

3-5-2013 WO#13-3813 TSMOH 578.3 hrs Tach: 4688.2 hrs

Changed oil and filter and serviced with Phillips 20w50 X/C. Cleaned all spark plugs. Pull #3 cyl and sent to Midwest A/C W.O.#12642 for repair, Removed rod and sent to A.S.S. for new pin bearing and reinstalled with new rod bearings SL13521A-M06 and nuts SL12186, reinstalled cyl with new piston, rings and seals. Replaced #2 fuel injector line, C/W AD 2011-26-04 by insp of fuel inj lines. Replaced #4 cyl intake gasket. Removed prop and replaced alt belt and reinstalled. C/WAD 95-26-13 by replaced hoses. This engine has been inspected I/A/W an Annual Inspection and was determined to be in Airworthy condition. Test ran OK

KEITH HETRICK

INSPECTION & MAINTENANCE RECORD

DATE

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INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.



785.354.7055
Billard Airport
Topeka, Ks 66616

Engine Log
N3790T
IO-360-B1E
SN: RL-5345-51A
5-22-2015

R.S. #M12R006L

~~T.T. 7145 hrs~~ W.O. #15-4515 ~~730.1 smcH~~ TACH: 4840.0 HRS

COMPRESSION CHECK PERFORMED, ALL CYLINDERS AT 75/80 OR BETTER.
DRAINED OIL, REMOVED OIL FILTER AND INSPECTED FOR METAL, NO METAL NOTED,
INSTALLED NEW FILTER, SERVICED ENGINE WITH 8 QTS OF 20/50 PHILLIPS X/C.
REMOVED AND CLEANED OIL COOLER AND COOLING AIR HOSE. REINSTALLED.
CLEANED, GAPPED, TESTED AND ROTATED ALL SPARKPLUGS, REINSTALLED WITH
NEW GASKETS AND TORQUED.
REMOVED, CLEANED AND INSPECTED, REINSTALLED FUEL INJECTORS.
REMOVED AND CLEANED FUEL BOWL SCREENS, REINSTALLED.
C/W AD2011-26-04, FUEL INJECTOR LINES AND CLAMPS WERE INSPECTED; NO
PROBLEMS NOTED.
INSTALLED NEW FWD MUFFLER, PN 67517-00-1, RF STACK 180, PN 67619-00R RF, AND
SHROUD BOTTOM.
I CERTIFY THIS AIRCRAFT HAVE BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND
FOUND TO BE IN AIRWORTHY CONDITION AND IS OK TO RETURN TO SERVICE.


KEITH HETRICK

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345
REG. NO: N3790T
WORK ORDER: 5241



Ideal Aviation

Cahokia, IL
Phone: [REDACTED]

DATE: 9/29/2015

A/C TSN:

ENG TT:

TSMOH:

TACH: 4893.35

Engine Entries

(1) Drained engine oil and removed oil filter. Cut open filter and inspected element, no contamination to note. Installed new filter P/N CH48110-1 and serviced engine with 8 qts. Phillips 20w-50 X/C.

Maintenance Release

The aircraft and/or component(s) on N3790T was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Perinent details of the repair are on file at this facility under Work Order No. 5241, Dated 9/29/2015.

DATE: 9/29/2015

SIGNED:

Joshua Stout, A&P

Work Order: 5241

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL:
JO-360-B1E
ENGINE S/N: RL-5345
REG. NO: N3790T
WORK ORDER: 5367



Parks Aviation Holdings LLC dba Ideal Aviation

Canokia, IL
Phone [REDACTED]

DATE: 2/3/2016
A/C TSN:
ENG TT:
TSMOH:
TACH: 4939.63

Engine Entries

- (2) Drained engine oil. Removed engine oil filter and cut open to inspect for contaminants. None to note. Installed new oil filter Part Number: CH48110-1. Torqued filter to specification and safetied. Serviced with 8 qts. Phillips X/C 20w-50 oil. Performed leak check. No leaks.
- (4) Compression Check good.
#1) 72 #2) 76 #3) #4) 72
- (5) Removed spark plugs. Cleaned and inspected plugs for corrosion and damage, none found. Gapped, compression, spark and ohm checked all plugs. Wear limits exceeded on two plugs. Annealed spark plug gaskets. Installed good spark plugs. Installed two new spark plugs Part Number: UREM40E. Torqued all plugs to specification.
- (11) installed new 71973 intake gasket at the #4 cylinder.
- (13) Fuel Injector Lines AD 2015-19-07 complied with.
- (14) Magneto Impulse Coupling SB TCM MSB645 complied with.

Maintenance Release

I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 5367, Dated 2/3/2016.

DATE: 2/3/2016

SIGNED: [REDACTED]

Rob Dehn, A&P [REDACTED]

Work Order: 5367

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INSPECTION & MAINTENANCE RECORD

DATE

ENGINE MODEL
10-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3790T
WORK ORDER: 5487



Parks Aviation Holdings LLC dba Ideal Aviation

Cahokia, IL
Phone

DATE: 6/15/2016
A/C TSN: 7272.74
ENG TT: 7272.74
TSMOH: 857.47
TACH: 4967.37

Engine Entries

- (2) Completed compression ck. 1) 74, 2) 76, 3) 78, 4) 76/80 Ray Manipole A&P
- (3) Drained old oil. Removed filter and cut open to inspect for metal. None found. Installed a new CH48110-1 element and applied locking wire. Removed suction screen to inspect for debris. Light carbon trace noted. Cleaned and installed screen using a new crush washer P/N: MS35769-21 and safetied.
- Serviced engine with 8 quarts of Phillips XC 20W50 oil. Gregory Joubert A&P
- (5) Cleaned, regapped, bomb checked and resistance checked all plugs #3 upper and lower and #4 worn to limits. Reinstalled remaining plugs and torqued to 360 inch-LBS. Gregory Joubert A&P
- (12) Serviced fuel injectors. Matthew Baker-A&P
- (14) Removed, inspected, cleaned and reinstalled fuel servo inlet screen using new O-rings as follows: Fuel inlet fitting O-ring: 951789 and the inlet filter O-ring: 953541-10. Leak check is satisfactory.
- (27) Complied with AD 2015-19-07: fuel injector lines and clamps inspection. No defects noted at this time. Next inspection is due in 100 hours or 5067.37 hours tach time. Gregory Joubert A&P
- (28) Installed new hose 11F502-6S-0372. Verified Steele fittings were installed 75739 and MS20822-6. Josh Stout A&P
- (29) Begin 50 hour compression checks until cylinder serial number can be verified. Paul Douglas Kack A&P
- (34) repaired bare spot on cyl #4 bottom spark plug lead to stop ignition noise over radios, correctly installed ignition leads on cyls. 2 & 4. Ray Manipole A&P
- (63) Replaced #3 upper and lower spark plugs and #4 lower spark plug. P/N: UREM-40E (3ea) Gregory Joubert A&P
- (68) installed new 06a19956 vacuum pump garlock seal

Maintenance Release

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 5487. Dated 6/15/2016

DATE: 6/15/2016

SIGNED:

Ray Manipole

Work Order: 5487

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INSPECTION & MAINTENANCE RECORD

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TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE MODEL

IO-360-B1E

ENGINE S/N: RL-5345-51A

REG. NO: N3790T

WORK ORDER: 5754



Parks Aviation Holdings LLC dba Ideal Aviation

Sagelet, IL

Phone

DATE: 2/24/2017

A/C TSN: 7321.25

ENG TT: 7321.25

TSMOH: 905.99

TACH: 5015.89

Engine Entries

(1) Drained old oil. Removed filter element and cut open to check for metal. No metal found. Installed a new filter element CH48110-1 and applied locking wire. Serviced engine with 8 Quarts of Phillips XC 20W50. Ran engine for leak check. Leak check satisfactory. Gregory Joubert A&P [REDACTED]

Maintenance Release

The aircraft and/or component(s) on N3790T was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 5754. Dated 2/24/2017.

DATE: 2/24/2017

SIGNED: [REDACTED]

Greg Joubert, A&P [REDACTED]

Work Order: 5754

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INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE MODEL
IO-360-B1E
ENGINE S/N RL-5345-51A
REG. NO. N3790T
WORK ORDER 5834

✈
Ideal:

Parks Aviation Holdings LLC dba Ideal Aviation

Sauger, III
Phone

DATE: 5/16/2017
A/C TSN: 7372 57
ENG. TT: 7372 57
TSMOH: 957 3
TACH: 5067 2

Engine Entries

- (1) Performed a 100 hour inspection in accordance with FAR 43 Appendix D and Piper PA28R-180 Maintenance Manual. Gregory Joubert A&P [REDACTED]
- (2) Performed compression check as follows: 1=74/80, 2=79/80, 3=78/80, 4=79/80. Gregory Joubert A&P [REDACTED]
- (3) Removed and replaced oil dip stick O-ring P/N: SL72312. Leak check satisfactory. Gregory Joubert A&P [REDACTED]
- (4) Drained old oil, removed and cut open filter element to check for metal. No metal found. Installed a new CH48110-1 and safetied. Serviced engine with 8 Quarts of Phillips 20W50 XC. Ran engine for leak check. Leak check is satisfactory. Gregory Joubert A&P [REDACTED]
- (5) Removed and replaced Cylinders Lower #1 and #3 spark plugs P/N UREM40E. Torqued to 360 Inch LBS. Functional check is satisfactory. Gregory Joubert A&P [REDACTED]
- (6) Removed, cleaned, regapped, tested all spark plugs. Found #1 and 3 to be worn to limits (See Squawk). 5. Installed and torqued to 360 inch LBS and connected leads. Gregory Joubert A&P [REDACTED]
- (8) Set Magneto timing in accordance with Lycoming IO360 and Piper PA 28R180 Maintenance Manuals. Gregory Joubert A&P [REDACTED]
- (13) Tightened all engine rocker cover screws. Gregory Joubert A&P [REDACTED]
- (17) Tightened oil return lines at base of each cylinder.
- (21) Complied with AD 15-19-07- Fuel injector lines inspection. No defects noted at this time. Gregory Joubert A&P [REDACTED]

Maintenance Release

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under: Work Order No. 5834. Dated 5/16/2017

DATE: 5/16/2017

SIGNED: [REDACTED]

Work Order: 5834

Greg Joubert, A&P [REDACTED]

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INSPECTION & MAINTENANCE RECORD

D.

ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3760T
WORK ORDER: 5876



Parks Aviation Holdings LLC dba Ideal Aviation

Sauget, IL
Phone: [REDACTED]

DATE: 9/11/2017
A/C TSN: 7405.79
ENG TT: 7405.79
TSMOH: 990.52
TACH: 5100.42

Engine Entries

- (2) Compression check results 1 76, 2 74, 3 78, 4 78/80 min 50 Paul Douglas Keck A&P [REDACTED]
- (3) 1) Drained oil and removed and replaced oil filter p/n CH48110-1 and safelied. 2) Removed, inspected, cleaned and reinstalled suction screen using new crush washer and safelied. (Gregory Joubert A&P 065621613) 3) Serviced engine with 8 quarts Phillips XC 20w-50 oil. Cut open and inspected old oil filter for metal debris and found none at this time per Piper PA 28-160R maintenance manual chapter 12. Brett Nagel AP [REDACTED]
- (5) Checked magneto timing, see item 25. Paul Douglas Keck A&P [REDACTED]
- (6) Removed, cleaned, inspected, regapped and bomb tested spark plugs. Gregory Joubert A&P [REDACTED]
- (8) Removed, cleaned, flow checked all fuel injector nozzles. Gregory Joubert A&P [REDACTED]
- (17) Removed #3 exhaust stack. C.Maxwell A&P [REDACTED] Installed a new exhaust #3 stack P/N: 67620-00; S/N: N/A, using new gasket P/N: 77611- No blow- (One) each. Gregory Joubert A&P [REDACTED]
- (21) Removed #2 cylinder and extracted broken cylinder stud using mechanical means. Installed a new stud P/N 50-15 using lock tight. Gregory Joubert A&P [REDACTED]
- (22) Flushed out oil cooler using solvent and compressed air. Connected lines and tightened. Leak check is ok. Gregory Joubert A&P [REDACTED]
- (23) Checked flow divider for insecure fuel line connections. Tightened all fuel lines from the divider to the fuel injector nozzles. Gregory Joubert A&P [REDACTED]
- (24) Reset Left Magneto timing to 25 degrees BTDC. Gregory Joubert A&P [REDACTED]
- (30) Blaw out bird debris from within and between the oil cooler fins. Greg Joubert A&P [REDACTED]
- (31) Removed #2 cylinder broken stud at 11:00 position as needed. C.Maxwell A&P [REDACTED] installed #2 cylinder top stud and installed #2 cylinder using all new seals and gaskets I.A.W. Lycoming IO360 maintenance manual. Gregory Joubert A&P [REDACTED]

Maintenance Release

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are [REDACTED] 6, Dated 9/11/2017.

DATE: 9/11/2017

SIGNED: [REDACTED]

Paul Douglas Keck A&P [REDACTED]

Work Order: 5876

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3790T
WORK ORDER: 6037



Parks Aviation Holdings LLC dba Ideal Aviation

Saupt II
Phone [REDACTED]

DATE: 12/13/2017
A/C TSN: 7427.98
ENG TT: 7427.98
TSMOH: 1012.71
TACH: 5134.8

Engine Entries

(2) Removed old starter and installed starter part number 149-12LS serial number H-R101006 per Piper PA 28R-180 chapter 80. Ops check good at this time Brett Nagel A&P [REDACTED]

Maintenance Release

The aircraft and/or component(s) on N3790T was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 6037, Dated 12/13/2017.

DATE: 12/13/2017

SIGNED: [REDACTED]

Work Order: 6037

Brett Nagel, A&P [REDACTED]

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ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3790T
WORK ORDER: 6060



Parks Aviation Holdings LLC dba Ideal Aviation

Saupt II
Phone [REDACTED]

DATE: 1/25/2018
A/C TSN: 5603.78
ENG TT: 5603.78
TSMOH: -811.48
TACH: 3246.8

Engine Entries

(1) Drained old oil. Removed filter element and cut open to inspect for metal. No metal found. Installed a new CH48110-1 element and safetied. Serviced engine with 8 Quarts of Aeroshell 20W50 oil. Ran engine for leak check. Leak check satisfactory. Gregory Joubert A&P [REDACTED]

Maintenance Release

The aircraft and/or component(s) on N3790T was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 6060, Dated 1/25/2018.

DATE: 1/25/2018

SIGNED: [REDACTED]

Work Order: 6060

Greg Joubert, A&P [REDACTED]

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5150.46

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE MODEL:

IO-360-B1E

ENGINE S/N: RL-5345-51A

REG. NO: N3790T

WORK ORDER: 6164



Parks Aviation Holdings LLC dba Ideal Aviation

Sauget, IL

Phone: [REDACTED]

DATE: 6/20/2018

A/C TSN: 7480.85

ENG TT: 7480.85

TSMOH: 1065.58

TACH: 5187.67

Engine Entries

(1) Torqued engine top back-bone bolts per Lycoming IO360 Maintenance Manual. Tightened oil cooler lines. Inspected cooler for cracks. Tightened oil return lines. Added 1 Quart of oil. Gregory Joubert A&P [REDACTED]

Maintenance Release

The aircraft and/or component(s) on N3790T was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 6164. Dated 6/20/2018.

DATE: 6/20/2018

SIGNED: [REDACTED]

Greg Joubert, A&P

Work Order: 6164

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INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3790T
WORK ORDER: 6164



Parks Aviation Holdings LLC dba Ideal Aviation

Sauget, IL
Phone [REDACTED]

DATE: 6/22/2018
A/C TSN: 7480.94
ENG TT: 7480.94
TSMOH: 1065.67
TACH: 5187.76

Engine Entries

- (1) Torqued engine top back-bone bolts per Lycoming IO360 Maintenance Manual. Tightened oil cooler lines. Inspected cooler for cracks. Tightened oil return lines. Added 1 Quart of oil. Gregory Joubert A&P [REDACTED]
- (3) Complied with compression test in accordance with Piper 100hr inspection report. Compressions as follows: Cyl 1: 76. Cyl 2: 79. Cyl 3: 77. Cyl 4: 79. Nathan Timm A&P [REDACTED]
- (4) Drained old oil. Removed filter element and cut open to check for metal. No metal found. Installed a new filter element P/N: CH48110-1 element and safetied. Service engine with 8 Quarts of Phillips 20W50 oil. Engine run for leak check is satisfactory. Gregory Joubert A&P [REDACTED]
- (6) Checked magneto timing. Found to be 55 Deg both left and right +/- 1/2 deg. Greg Joubert A&P [REDACTED]
- (7) Serviced spark plugs in accordance with Piper 100 hr inspection report. Installed new gaskets U574. Anti seized, reinstalled and torqued. Nathan Timm A&P [REDACTED]
- (9) Serviced fuel injectors in accordance with Piper 100hr inspection report. Nathan Timm A&P [REDACTED]

Maintenance Release

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 6164, Dated 6/22/2018.

DATE: 6/22/2018

SIGNED: [REDACTED]

Work Order: 6164

Greg Joubert, A&P [REDACTED]

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INSPECTION & MAINTENANCE RECORD

DATE

ENGINE MODEL:
IO-360-B1E
ENGINE S/N: RL-5345-51A
REG. NO: N3790T
WORK ORDER: 6193



Parks Aviation Holdings LLC dba Ideal Aviation

Sauget, IL
Phone: [REDACTED]

DATE: 10/17/2018
A/C TSN: 7502.31
ENG TT: 7502.31
TSMOH: 1087.04
TACH: 5209.13

Engine Entries

Accomplished Engine Compression check #1 72 /80, #2 78/80, #3 72/80, #4 78/80.

Master Orifice Reading: 45 PSI... Drained oil, replaced filter with new CH48110-1. Open and inspected used filter. No contamination noted. Serviced engine with 8 quarts Phillips 20W50XC oil. Performed engine operation, no leaks noted at this time... I certify this engine has been inspected in accordance with Piper maintenance manual 100 hr inspection check list, found in section III CMI continued airworthy inspection and FAR 43 appendix D as a guide and was determined to be an airworthy condition.

Technicians Who Worked On The Items Listed Above:
Greg Joubert, Mark Grueningar, Paul Douglas Keck

Maintenance Release

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair [REDACTED] Dated 10/17/2018.

DATE: 10/17/2018

SIGNED: [REDACTED]

Paul Douglas Keck, ASEP

Work Order: 6193

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SECTION 2 MAINTENANCE RECORD

785.354.7055

Billard Airport

Topeka, Ks 66616

R.S. #M12R006L

W.O. #19-5957

TSMOH 1169.31HRS

TT: 7584.58

Engine Log

N3790T

IO-360-B1E

SN: RL-5345-51A

12-05-2019

TACH: 5291.4 HRS

COMPRESSION TESTED, ALL CYLINDERS AT 75/80 OR BETTER. DRAINED OIL REMOVED OIL FILTER & INSPECTED FOR METAL, NO METAL FOUND, INSTALLED NEW FILTER AND SERVICED WITH 8 QTS 20/50 PHILIPS X/C. CLEANED, GAPPED, TESTED SPARK PLUGS, INSTALLED 1EA SPARK PLUG PN UREM40E, ROTATED REMAINING SPARK PLUGS, REINSTALLED WITH NEW GASKETS & TORQUED. CLEANED FUEL INJECTORS & FUEL FINGER SCREEN. REPAIRED #3 EXH STACK. C/W AD 2015-19-07 FUEL INJECTION LINES INSPECTION I/A/W SB 342G; NO DEFECTS NOTED. DUE AGAIN @ 5391.4 HRS OR 12/20. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W/ AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE.

[REDACTED]
KEITH HETRICK