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Page No._____

ATE	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

GEORGE McCLELLAN
AVIATION SERVICES

[redacted]

[redacted]

Date: ~~6/20/2013~~ 7/02/2014
Model: Piper PA32-300
Reg#: N 4027W
SN#: 32-40043

AC/Total time: 5721.48
Hobbs time: 0.0 46.9
Tac Time: 474.2
Engine Position: Center

Engine: Lycoming
Mod: IO-540- K1A5
S/N: L-4140-48
TSMOH: 974.13

Completed engine 100hr inspection IAW manufactures approved checklist. Compression results 1. 79/60 2. 77/80 3. 74/80 4. 77/80. 5. 75/80, 6. 76/80 Changed oil with 12Qt Aeroshell 100 W. Changed filter w/new Champion CH 48110-1 filter. Opened old filter for inspection, no metal found . Collected oil sample. Cleaned screens, no metal found. Cleaned and gaped and tested spark plugs. checked engine mag timing. Checked fuel filter. Installed new air filter P/N BA15. Cleaned and re-secured all oil return lines from rocker boxes and tightened all rocker box screws. Cleaned injectors. C/W AD 2011-26-4 Injector line inspection. Washed engine and lubricated controls. Inspected all accessories and hardware for security and serviceability. Operational check OK, no leaks found.

I certify that the Engine identified above was repaired in accordance with The manufactures service manual and found to be in an airworthy condition for the work performed and approved for return to service

[redacted]

[redacted]

GEORGE McCLELLAN
AVIATION SERVICES

[redacted]

[redacted]

Date: 8/15/2015
Model: Piper PA32-300
Reg#: N 4027W
SN#: 32-40043

AC/Total time: 5811.18
Hobbs time: 140.0
Tac Time: 563.9
Engine Position: Center

Engine: Lycoming
Mod: IO-540- K1A5
S/N: L-4140-48
TSMOH: 1063.83

Completed engine 100hr inspection IAW manufactures approved checklist. Compression results 1. 72/60 2. 76/80 3. 71/80 4. 75/80. 5. 78/80, 6. 75/80 Changed oil with 12Qt Aeroshell 100 W. Changed filter w/new Champion CH 48110-1 filter. Opened old filter for inspection, no metal found . Collected oil sample. Cleaned screens, no metal found. Cleaned and gaped and tested spark plugs. Checked engine mag timing. Checked fuel filter. Installed new air filter P/N BA15. Cleaned injectors. C/W AD 2011-26-4 Injector line inspection. Washed engine and lubricated controls. Inspected all accessories and hardware for security and serviceability. Operational check OK, no leaks found.

I certify that the Engine identified above was repaired in accordance with The manufactures service manual and found to be in an airworthy condition for the work performed and approved for return to service

[redacted]

[redacted]

TOTALS-Carry forward to next page

Page No._____

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

GEORGE McCLELLAN
AVIATION SERVICES

[redacted]

[redacted]

2/26/2016

Reg#: **N4027W**
SN# 32-40043

Engine: **Lycoming**
Mod: **IO-540K1A5**
S/N: **L-4140-48**
TSMOH: 1111.1

AC/Total time: 5858.1
Hobbs time: 192.7
Tac Time: 612.0

Performed 50 hr annual IAW manufactures approved checklist .Changed oil w9qt of Phillips X/C SAE20W-50, Changed filter w/new Champion CH48110-1 filter. Opened old filter for inspection, no metal found. Cleaned screens, no metal found. Collected oil sample. Washed engine and lubricated controls. Removed defective oil pressure. gage and replaced with serviceable unit P/N 37340-00. Oil pressure reads 62 lbs at idle. Inspected all accessories and hardware for security and serviceability.. Operational check OK, no leaks found.

I certify that the Engine identified above was inspected in accordance with an 50 hr Inspection, found to be in an airworthy condition and approved for return to service

[redacted]

[redacted]

DATE: 06/17/2016
N#: 4027W
S/N: 32-40043

Mix Aircraft Solutions LLC
Timothy R Mix

[redacted]

Manufacture date: 1966
Engine: Lycoming IO-540-K1A5
Engine S/N: L-4140-48

Cell 757.342.9030

S/N: L-4140-48
TSMOH: 1111.1

Performed 50 hr annual IAW manufactures approved checklist .Changed oil w9qt of Phillips X/C SAE20W-50, Changed filter w/new Champion CH48110-1 filter. Opened old filter for inspection, no metal found. Cleaned screens, no metal found. Collected oil sample. Washed engine and lubricated controls. Removed defective oil pressure. gage and replaced with serviceable unit P/N 37340-00. Oil pressure reads 62 lbs at idle. Inspected all accessories and hardware for security and serviceability.. Operational check OK, no leaks found.

I certify that the Engine identified above was inspected in accordance with an 50 hr Inspection, found to be in an airworthy condition and approved for return to service

[redacted]

[redacted]

DATE: 06/17/2016
N#: 4027W
S/N: 32-40043
TT: 5882.25 (corrected)
TACH: 650.1 (actual)

Mix Aircraft Solutions LLC
Timothy P Mix
[redacted]

Manufacture date: 1966
Engine: Lycoming IO-540-K1A5
Engine S/N: L-4140-48
TSMOH: 1134.85 (corrected)
TT: 5882.25 (corrected)

Drained oil and replaced oil filter with new CH48110-1. Serviced with 9.5 qts of Aero-Shell 100W. Washed engine with solvent and checked for oil leaks, none found at this time. Repaired cabin heat shroud on collector due to crack around the outlet, welded per AWS D17.1. Repaired oil service door on top cowl by replacing reinforcement ring with new metal. Fabricated out of .040" 2024-T3 and installed with new hardware. Replaced ~~RH fuel~~ tank sump with new Curtis drain valve.

[redacted]

Magneto pn. BL-349370-4 Sn.F03KA068R
Performed 500 hour inspection per Bendix/TCM

Magneto pn. 10-349310-1 Sn.8225181

N#: 4027W
S/N: 32-40043
TT: 5882.25 (corrected)
TACH: 650.1 (actual)

[redacted]

Engine S/N: L-4140-48
TSMOH: 1134.85 (corrected)
TT: 5882.25 (corrected)

Drained oil and replaced oil filter with new CH48110-1. Serviced with 9.5 qts of Aero-Shell 100W. Washed engine with solvent and checked for oil leaks, none found at this time. Repaired cabin heat shroud on collector due to crack around the outlet, welded per AWS D17.1. Repaired oil service door on top cowl by replacing reinforcement ring with new metal. Fabricated out of .040" 2024-T3 and installed with new hardware. Replaced RH fuel tank sump with new Curtis drain valve.

[redacted]

Magneto pn. BL-349370-4 Sn.F03KA068R
Performed 500 hour inspection per Bendix/TCM X42001 manual. Replaced points,carbon brush, impulse coupling # 10-400320 and bench checked mag all checks good.
William Davidge [redacted]
Oct. 20, 2016 [redacted]

Magneto pn. 10-349310-1 Sn.8225181
Performed 500 hour inspection per Bendix/TCM X42001 manual. Replaced points, distributor block and bench checked mag all checks good.
William Davidge [redacted]
Oct. 20, 2016 [redacted]

SUB-TOTALS this page

TOTALS-Carry forward to next page

#1 Timer TRANSPORDER

Page No.

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

DATE: 11/05/2016
N#: 4027W
S/N: 32-40043
TT: 5918.25
TACH: 686.1

Mix Aircraft Solutions LLC
Timothy R Mix
[redacted]

Manufacture date: 1966
Engine: Lycoming IO-540-K1A5
Engine S/N: L-4140-48
TSMOH: 1170.85
TT: 5918.25

Preformed **ANNUAL** inspection on this **Engine** this date IAW 14 CFR, Part 43 Appendix D. Preformed compression check #1) 77/80 #2) 77/80 #3) 76/80 #4) 71/80 #5) 78/80 #6) 77/80 on warmed up engine. Drained oil, serviced with 12 qts of AeroShell 100W, installed new oil filter Tempest 48110-2, split old filter and no debris was found. Replaced all sparkplugs with new Tempest UREM38E, gapped and installed, torqued to 35 ftlbs. Boroscoped each cylinder, inspected cylinder walls and valves, no defects noted at this time. Removed magnetos and had 500hr inspection done by Davidge Aviation, see log book sticker for work performed. Reinstalled and timed to engine. Installed new oil cooler on RH side (p/n 8000074) with new oil cooler hoses to CW AD95-26-13 from A.E.R.O. Next due 2024 or 6918.25 TT. Replaced #5 fuel injector line from Specialty Aircraft to CW AD15-19-07 since there was a nick in line, inspected all other lines and found acceptable, next due ATT: 6028.25. Inspected overall condition and security of engine compartment, fluid lines and controls. No new ADs.

I certify that this **Engine** has been inspected for an **ANNUAL** inspection IAW CFR 43 Appendix D and found to be in a safe and airworthy condition for operation at this time and date of sign-off.

[redacted]

Tim

N4027W
NW Air Repair Inc.
503-472-4790

NORTHWEST AIR REPAIR

December 1,2017

Tach Time 747.1 Hrs TSMOH 1231.6 Hrs

lines and found acceptable, next due ATT: 6028.25. Inspected overall condition and security of engine compartment, fluid lines and controls. No new ADs.

I certify that this **Engine** has been inspected for an **ANNUAL** inspection IAW CFR 43 Appendix D and found to be in a safe and airworthy condition for operation at this time and date of sign-off.

T[redacted]

N4027W

NW Air Repair Inc.

503-472-4790

December 1,2017

Tach Time 747.1 Hrs TSMOH 1231.6 Hrs

Drained oil, installed new filter, serviced with 11qts Aeroshell 100. Performed compression check, #1 74/80, #2 78/80, #3 76/80, #4 14/80, #5 76/80, #6 77/80. Removed cylinder #4, installed overhauled Lycoming nickel bore cylinder p/n 73948 s/n JJI76206, with new piston and rings. Removed valve cover gaskets from other 5 cylinders and inspected valves, no defects noted, reinstalled valve covers with new gaskets. Cleaned and gapped spark plugs, adjusted magneto timing. c/w 2015-19-07 fuel injection lines, OK, next due 6089.0 hrs. Removed right side oil cooler and removed fittings, reinstalled fittings with sealant and torqued, reinstalled cooler. Inspected exhaust system and muffler. This engine inspected in accordance with 100hr inspection per FAR43 Appendix D and found to be airworthy at this time.

Graham L Goad 2[redacted]