The Standard

ENGINE LOG

ASA-SE-2

Engine Record General Information

Manufacturer LyConing **Model** T10-540-AJ1A

Serial L-10135-61A **Type Certificate** _____

This engine is currently installed in aircraft: N72687

Minimum Octane Fuel _____ **Oil Grade** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**

YEAR 20 ____ 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 Facility. (*See* back pages for other specific entries.)

Victor Aviation

VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608
PALO ALTO, CA 94303-0608
(650) 856-7616

F.A.A. CERTIFIED
REPAIR STATION #BJ3R399L

A/C Reg. # N7268Y A/C Ser. # T206H608046 W.O. # 16655
Engine Make LYCOMING Model TIO540AJ1A
Serial # L-10135-61A Eng. T.T. 1095.9 S.M.O.H. 0
A/F T.T. ____ Hobbs Time ____ Tach Time 1095.9

1. Engine major overhauled with new Lycoming cylinders.
2. Overhaul included the following accessories. Fuel pump, fuel flow divider, wastegate, controller, relief valve, turbocharger, spark plugs, ignition harness and starter. No other accessories supplied or overhauled at this time.
3. The engine identified above has been repaired and inspected in accordance with current Federal Air regulations and has been found airworthy for return to service for the work performed. Pertinent details are on file at this agency under work orders 16655 dated 09/22/11 .
4. Engine test ran satisfactorily upon completion of above work.
5. See rear of logbook for AD listing.
6. Engine was not installed by this agency.
7. Nothing follows .

Inspector Jim Pova Date 11/21/2011
For repair station of Victor Aviation Services, Inc.

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

CAUTION

USE ONLY ASHLESS DISPERSANT (DETERGENT) OIL IN THIS ENGINE PER LYCOMING S.I. 1014M.
DO NOT USE SEMI-SYNTHETIC OIL FOR BREAK IN.

COMPLY WITH SERVICE INSTRUCTION 1409C AT EVERY OIL CHANGE OR WARRANY MAY BE VOIDED

Oil Cooler, Oil Hoses and all other oil related accessories must be certified prior to installation of this engine or Victor Aviation warranty may be voided.

Victor Aviation Services Inc.
FAA Certified Repair Station #BJ3R399L

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)
				Date 1/03/2012 Aircraft N7268Y Type T206H, S/N T20608046 Tach 1095.90
				m/n TIO-540-AJ1A s/n L-10135-61A TOTAL TIME = 1095.9; TSMOH = 0.0
				1 Reinstalled engine in N7268Y Cessna T206H s/n T20608046 using original serviceable shock mounts, shock mounts bolts and new p/n MS20365-720C nuts Torqued shock mounts hardware to 40 ft. lbs. Visually inspected, cleaned and reinstalled engine baffles. Reconnected engine controls and saftied hardware as necessary. Rigging checked good Reconnected hoses and secured to clear chafes Reinstalled exhaust system using new gaskets per Lycoming Service Instruction No 1204D dated 8/26/2010 Installed new exhaust V-band clamps p/n 40D22382, p/n 40D22383, S3262-6 and p/n S1921-1 Torqued V-band clamps per Lycoming Service Instruction 1238B dated 1/6/2010. Reinstalled Prop governor after overhaul using new gasket provided by New England Propeller Service Reinstalled propeller after overhaul Torqued mounting hardware for propeller for 60 ft. lbs and saftied with 0.041" safety wire Blades tracking checked good. Prop deice system ops checked good. Reconnected tach drive cable using new felt seal. Reconnected all wires and secured to prevent chafing. Routed new ignition harness and secured to prevent chafing Cleaned and painted induction pipe from turbocharger to fuel controller Serviced engine with 11 quarts of Phillips 20W50 X/C oil Removed all bottom spark plugs and cranked starter until aircraft oil pressure gauge indicated 50 psi No leaks noted after pre-oiling the engine Reinstalled spark plugs. Lubed engine controls
				2 Bead blasted brackets securing exhaust transition assembly to remove rust and painted brackets with high temp silver paint
				3 Installed new p/n P197268 induction air filter Replacement of air filter per AD 84-26-02 dated 1/29/1985 is due at tach 1595.9
				4 EPA fuel recovery tank ops checked good

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

5. Cleaned engine bay with solvent.

6. Cleaned alternator belt tensioner/guide pulley contact surface area with a wire wheel. Installed new bearing p/n 78629 and new lock tab p/n 76763. Ops checked good.

7. Installed new p/n AN7-42 alternator mounting bolt and new p/n AN310-7 nut. Saftied nut with new cotter pin.

8. Complied with AD 2008-14-07 dated 8/14/2008 inspection of engine fuel injector fuel lines and support clamps per Lycoming Service Bulletin 342E dated 5/18/2004.

9. Flushed 5 oil hoses, 2 oil cooler hoses, engine breather air oil separator & hoses, turbocharger outlet reservoir and inlet fittings. Flushed hoses and components in solvent tank, followed by flush with safety solvent.

10. Shipped oil cooler p/n 10865B s/n 130 to Pacific Oil Coolers for overhaul. Reinstalled same oil cooler after overhaul. Sealed threads on original serviceable outboard fitting and reinstalled. Sealed threads on new p/n 2023-6-10S inboard fitting.

11. Removed alternator m/n ASG12000-3 p/n 9910592-3 s/n A-136498. Installed overhauled exchange alternator p/n 9910592-3RX s/n H-L101622. Installed new p/n S-1915-1 radio noise filter capacitor. Installed new p/n 435K4 alternator belt and set tension to 12 ft. lbs. slip torque.

12. Installed new p/n M-111 s/n T84335 EGT probe for #6 cylinder and new p/n M-111 s/n 0125988 EGT probe for #3 cylinder.

13. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good. END----------

YEAR 20__ 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 Facility. (*See* back pages for other specific entries.)

Three Wing Flying Services inc 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service Work Orders # MA-11-1847 and MA-11-1785

1-3-2012

Michael T. Gavaghan A&P 3473342 IA

date

ENGINE MODEL:
ENGINE S/N:
REG. NO: 7268Y
WORK ORDER:
0372-06-2012

Performance Flight

136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 6/28/2012
A/C TSN: 1261.7
ENG TT:
TSMOH:
HOBBS: 1261.7

Engine Entries

(1) Perform Oil change to aircraft engine... Drained Engine Oil,sample taken,Installed 1 New Champion Ch48110-1 oil filter and serviced Engine with 11 qrts of Phillips X/C 20W50 Oil.
I.A.W. the Cessna T206 MM. Inspection checklist- Chapters 5,and Chapter 71

DATE: 6/28/2012 SIGNED: Laurence McKenzie Jr. Work Order: 0372-06-2012

Laurence Mckenzie, A&P: 3039316

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ENGINE MODEL:
TIO-540-AJ1A
ENGINE S/N: L-10135-61A
REG. NO: N7268Y
WORK ORDER:
07283-07-2012

US Flight Aircraft Maintenance

1 Wallingford Rd
Hangar 5 & 6
Danbury, CT 06810 USA
Phone: 914-288-8088

DATE: 17 July, 2012
A/C TSN: 1285.4
~~ENG TT: 1053.2~~
HOBBS: 1285.4
TACH 1154.0

Engine Entries

(1) ENGINE TEMPORARILY QUITS ON TAKE OFF... Troubleshoot engine symptom with aid of Victor Engines,
Tested fuel pump performance and pressures and determined to be within acceptable limits IAW applicable Lycoming tio-540-AJ1A engine overhaul and maintenance manuals.
Fabricated and installed heat shield/ fire sleeve using kevlar and high temp adhesive backed 5 mil aluminum tape using FAA AC-43-13 as a guide.
Flight test revealed minor roughness after heat soak. Removed all spark plugs, adjusted gap to .018", tested and re-installed with new M674 gaskets.
Performed satisfactory ground function check of work performed with no further discrepancies noted.... (4) INDUCTION TUBE RUBBER INTERCONNECT CHAFING AT RIGHT LOWER ENGINE COWLING... Optimized routing of tube and interconnects and added anti-chafe measures using FAA AC-43-13 1B,2B as a guide.

The work performed has been approved for return to service.

DATE: 17 July, 2012 SIGNED: Tim Fox Work Order: 07283-07-2012

Tim Fox, A&P: 3560697 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
TIO-540-AJ1A
ENGINE S/N: L-10135-61A
REG. NO: N7268Y
WORK ORDER:
07286-07-2012

US Flight Aircraft Maintenance

1 Wallingford Rd
Hangar 5 & 6
Danbury, CT 06810 USA
Phone: 914-288-8088

DATE: 26 July, 2012
A/C TSN: 1293.4
ENG TT: 1160.9
TSMOH: 65
HOBBS: 1293.4

Engine Entries

(1) TECH NOTICES EXHAUST RESIDUE ON TURBO OIL INLET HOSE, COMING FROM V-BAND CLAMP FLANGE.... Disassemble right exhaust manifold, turbo braces and header pipes. Reassemble and re-aligned for optimum fit using new gaskets as necessary. All work done IAW applicable Lycoming TIO-540-AJ1A engine maintenance and overhaul manuals.... (2) #2 EXHAUST FLANGE STUD/NUT LOOSE, GASKET BLOWN OUT.... Found threads in cylinder head stripped. requires heli-coil insert installation. Disassemble left exhaust system. Removed stripped exhaust flange stud. Installed Heli-Coil thread repair and new 25C-11 stud IAW applicable Lycoming TIO-540-AJ1A Engine overhaul manual. Re-install exhaust header pipes and associated components using new LW18264 gaskets and nuts.... (3) INTERMITTENT ENGINE STUMBLE ON RUN UP.... Removed and inspected induction air filter, fuel servo inlet screen, Gascolator, Replaced gascolater o'rings with new. Checked for air bubbles in gascolater to engine driven pump with clear line. none found. Cleaned injectors, Re-assembled with new o'rings. All work done IAW applicable Lycoming TIO-540-AJ1A engine overhaul and maintenance manual. Performed post service ground function and leak check with no discrepancies noted.

The work performed has been approved for return to service.

DATE: 26 July, 2012 SIGNED: Tim Fox Work Order: 07286-07-2012

Tim Fox, A&P: 3560697 Printed by EBis 3 (datcomedia.com)

YEAR 20 ___ 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 Facility. (*See* back pages for other specific entries.)

ENGINE MODEL:
ENGINE S/N:
REG. NO: 7268Y
WORK ORDER:
0484-09-2012

Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 9/4/2012
A/C TSN: 1314.8
ENG TT: 53.1
TSMOH:
HOBBS: 1314.8

Engine Entries

(1) Perform oil change... Drained Engine Oil,sample taken,Installed 1 New Champion Ch48110-1 oil filter and serviced Engine with 10 qts of Phillips X/C 20W50 Oil.
I.A.W. the Cessna T206 MM. Inspection checklist- Chapters 5,and Chapter 71

DATE: 9/4/2012 SIGNED: Work Order: 0484-09-2012

Pete Lindblom, A&P: 3401009 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
ENGINE S/N:
REG. NO: 7268Y
WORK ORDER:
0580-11-2012

Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 11/16/2012
A/C TSN: 1343.3
ENG TT: 1343.3
TSMOH:
HOBBS: 1343.3

Engine Entries

(1) Check the oli in the engine.... Serviced engine with 2 qrts. of Phillips 20W50 X/C oil.I.A.W. the Cessna T206H MM.Chapter72.

Maintenance Release

The aircraft and/or component(s) on 7268Y was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 11/16/2012 SIGNED: Work Order: 0580-11-2012

Laurence Mckenzie, A&P: 3039316 Printed by EBis 3 (datcomedia.com)

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

Date 3/01/2013: Aircraft: N7268Y. Type: T206H. S/N: T20608046: Tach: 1220.60

m/n: TIO-540-AJ1A: s/n: L-10135-61A. TOTAL TIME = 1220.6: TSMOH = 124.7.

1. I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under Shop Order # MA-13-2259.

2. Complied with cylinders compression check #1-78/80. #2- 77/80: #3- 77/80: #4- 77/80: #5- 77/80: #6- 76/80.

3. All spark plugs cleaned. gapped. tested. rotated and reinstalled using new p/n M674 gaskets.

4. Changed oil and filter. Cut open and visually inspected old filter. No unusual material noted in the old filter. Installed new p/n CH48110-1 filter and saftied. Drained oil cooler. reinstalled drain plug with fuel lube on the threads and saftied. Cleaned engine and lubed controls. Serviced engine with 11 quarts of Phillips 20W50 X/C oil.

5. Visually inspected. cleaned and reinstalled oil suction screen using new p/n MS35769-21 gasket.

6. Both magnetos timing checked at 20° BTDCC #1 cylinder.

7. Visually inspected fuel controller fuel inlet screen. cleaned and reinstalled. No leaks noted.

8. Visually inspected and reinstalled induction air filter. AD 84-26-02 dated 1/29/1985 replacement of the filter is due at tach 1595.9.

9. Installed new p/n 06A19956 oil seal for right vacuum pump drive.

YEAR 20___ 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 Facility. (*See* back pages for other specific entries.)
				10 Complied with AD 2011-26-04 dated 1/25/2012 inspection of engine fuel injector fuel lines and support clamps per Lycoming Service Bulletin 342F dated 6/4/2010 No defects noted.
				11 Removed entire exhaust system (minus turbocharger) and shipped components to Dawley Aviation for repair. Installed one new p/n 25C11 exhaust stud and one new p/n 25C11P07 exhaust stud in cylinder #2. Reinstalled repaired components using twelve new p/n LW18234 exhaust gaskets and 24 new p/n STD2044 nuts. Installed new p/n 78246 gasket for turbocharger at the transition.
				12 Lycoming Service Bulletin 599 dated 3/14/2012 replacement of the engine driven fuel pump does not apply to model TIO-540-AJIA engine installed in this aircraft.
				13 Lycoming Service Bulletin 598A dated 6/01/2011 replacement of turbocharger V-Band clamp does not apply to model TIO-540-AJIA engine installed in this aircraft.
				14 Lycoming Service Bulletin 603 dated 10/04/2012 (Slick Service Bulletin SB1-12 issued 9/6/2012) does not apply to left magneto m/n 6361 s/n 101000665 nor right magneto m/n 6361 10100668 per the magnetos serial numbers. There is no record of the affected points being installed in these magnetos after manufacture either.
				15 Lycoming Service Bulletin 604 dated 11/21/2012 does not apply to turbocharger m/n TA 6102 p/n 466881-9001 s/n H-OAF000 installed.
				16 AD 2004-10-14 dated 6/25/2004 inspection of engine crankshaft gear bolt per Para. (f) becomes due if the engine experiences a prop strike
				17 Ajusted fuel controller to obtain proper rpm rise at idle cutoff.

YEAR 20 ___ DATE	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of entries.)

18. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good.
END

Three Wing Aviation Group, LLC. 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-13-2259.

Michael T. Gavaghan A&P 3473342 IA — 3-1-2013 date

ENGINE MODEL:
TIO-540-AJ1A
ENGINE S/N: L10135-61A
REG. NO: 7268Y
WORK ORDER:
0901-08-2013

Performance Flight
136 Tower Lane Hangar M
West Harrison, NY 10604
Phone: 914-397-1444

DATE: 8/12/2013
A/C TSN: 1428.6
ENG TT: 1428.6
TSMOH:
TACH: 1285.4

Engine Entries

(1) Client requests oil change.... Completed pre-service ground function check of engine, warmed engine to operating temperatures. Removed engine cowlings, drained engine oiil. Removed oil filter and cut open to inspect for abnormal debris with none noted. Install and secure new CH 48110-1 filter and secure. Serviced engine with 11 Qts Phillips X/C 20w50 engine oil. Visually inspected engine and associated plumbing, harnesses, induction and exhaust for evidence of leaks, distress, chafing, looseness, or abnormal wear with one noted. Completed satisfactory ground function and leak check with high fuel flow discrepancy noted. Notified client.... (2) Tech noted fuel flow past red line during ground function check.... Reviewed history. Recommend re-calibration of fuel scheduling valve of fuel servo to optimize fuel flow at full throttle for this engine. Updated scheduling vanes available from Precision.

DATE: 8/12/2013 SIGNED: Tim Fox — Work Order: 0901-08-2013

Tim Fox, A&P: 3560697 — Printed by EBis 3 (datcomedia.com)

YEAR 20 DA	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of cific entries.)

Date 10/24/2013 Aircraft N7268Y Type T206H S/N T20608046 Tach 1307.00

1. Complied with AD 2011-26-04 inspection of fuel injector lines and support clamps.
Inspected per Lycoming Service Bulletin 342F. Found engine cylinder #2 injector nozzle line "B" nut fuel stained. Attempted to tighten "B" nut. It turned loosely 1/8 turn then popped loose. threads in fuel line are damaged. No other defects noted. See item 3

2. Changed engine oil and filter. Cut opened and visually inspected the old filter. Installed a CH48110-1 filter and safetied. Cleaned the engine and lubed controls. Lubed engine exhaust joints and wastegate with molysemik. Serviced engine with 11 quarts of Phillips 20W50 XC oil. No unusual material noted in the old filter

3. Installed new engine cylinder #2 fuel injector line p/n LW12098-04-412 and clamped per Lycoming Service Bulletin 342F. Leak checked good

4. Engine ground operation checked good. No leaks noted

Three Wing Aviation Group LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-13-2534

Peter E. Meyers A&P 2206210

10/24/13
date

Date: 5/08/2014; Aircraft: N7268Y; Type: T206H; S/N: T20608046; Tach: 1330.70; Total Time

YEAR
20 ____
DATE

(mA) TIO-540-AJ1A; s/n: L-10135-61A; TOTAL TIME = 1330.7; TSMOH = 234.80

1. I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under Shop Order # MA-14-2669.

2. Completed with cylinders compression check: #1-78/80; #2- 77/80; #3- 76/80; #4- 78/80; #5- 77/80; #6- 78/80.

3. All spark plugs cleaned, gapped, tested, rotated and reinstalled using new p/n MS74 gaskets.

4. Changed oil and filter. Took oil sample for spectrometric analysis. Cut open and visually inspected old filter. No unusual material noted in the old filter. Installed new p/n CH48110-1 filter and safetied. Cleaned engine and lubed engine controls. Serviced engine with 11 quarts of Philips 20W50 X/C oil.

5. Visually inspected, cleaned and reinstalled oil suction screen using new p/n MS35769-21 gasket.

6. Both magnetos timing checked at 21° BTDCC #1 cylinder.

7. Visually inspected fuel controller fuel inlet screen, cleaned and reinstalled. No leaks noted.

8. Visually inspected and reinstalled induction air filter. AD 84-26-02 dated 1/29/1985 replacement of the filter is due at tach 1306.0.

9. Complied with AD 2011-26-04 dated 1/25/2012 inspection of engine fuel injector fuel lines and support clamps per Lycoming Service Bulletin 342F dated 6/4/2010. No defects noted.

10. AD 2004-10-14 dated 6/25/2004 inspection of engine crankshaft gear bolt per Para. (f) becomes due if the engine experiences a prop strike.

11. Secured engine vacuum pump cooling air shrouds with RTV sealant.

12. Replaced grommet p/n MS35489-11 around engine throttle control through aft top engine baffle.

13. Cleaned oil around engine oil pressure fitting. Checked good at engine run. No leaks noted.

14. Replaced grommet p/n MS35489-10 around propeller control cable through the engine baffle aft of engine cylinder #6.

YEAR
20____
DATE

15. Installed two new screws p/n AN52510R10 securing the engine air / oil separator clamp to engine baffle aft of engine cylinder #6. Cleaned separator. Checked good.

16. Readjusted overboard drain tube for clearance on the engine driven fuel pump.

17. Both engine magnetos 500 hour inspection is due at tach time 1595.9

18. Engine rocker box inspection is due at tach 1495.9

19. Checked engine manifold drain check valve. Ops checked good

20. Lubed engine exhaust slip joints with mousemilk.

21. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good.
END————————

Three Wing Aviation Group LLC 400 Great Meadow Rd Stratford CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-14-2668.

Anthony J. DiNuzzo A&P 3466490 IA

5/8/2014
date

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

ENGINE MODEL: TIO-540-AJ1A
ENGINE S/N: L-10135-61A
REG. NO: N7268Y
WORK ORDER: 07893-03-2015

US Flight Aircraft Maintenance

1 Wallingford Rd
Hangar 5
Danbury, CT 06810 USA
Phone: 914-288-8088

DATE: 23 March, 2015
A/C TSN: 1383.9
ENG TT: 1383.9
TSMOH: 288
FLIGHTTIME: 1383.9

Engine Entries

9 COMPLY WITH APPLICABLE RECURRING A.D.'s– AD2008-14-07, Lycoming SB342F fuel line inspection.... Inspected fuel lines I/A/W Lycoming SB 342G diagram 24. No defects found.

Due again at next line maintenance or 100hrs.

10 #3 CYLINDER COMPRESSION 62/80.... Performed a boroscope inspection of #3 cylinder.

Found evidence of scoring and corrosion.

Removed cylinder P/N LW-19273, S/N V6493-105297-18/#3 and sent to Victor Aviation for evaluation.

Installed cylinder P/N LW-19273, S/N V6493-105297-18/#3 after repair with all new seals and gaskets. See 8130-3 dated 3/17/2015 for details.

All work done I/A/W Lycoming overhaul manual P/N 60294-7.

11 ENGINE AIR FILTER DUE FOR REPLACEMENT... Removed worn filter.

Installed new filter PN#P197268.

17 RIGHT MAGNETO FIRING AT 22.5 DEGREES BTDC, LEFT MAGNETO FIRING AT 21.5 DEGREES BTDC. SPEC IS 20 DEGREES BTDC.... Set both magnetos to fire at 20 degrees BTDC.

The work performed has been approved for return to service.

DATE: 23 March, 2015 SIGNED:

Bernard Paquette, A&P: 445400372A

Work Order: 07893-03-2015

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YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

ENGINE MODEL: TIO-540-AJ1A
ENGINE S/N: L-10135-61A
REG. NO: N7268Y
WORK ORDER: 07892-03-2015

US Flight Aircraft Maintenance

1 Wallingford Rd
Hangar 5
Danbury, CT 06810 USA
Phone: 914-288-8088

DATE: 23 March, 2015
A/C TSN: 1383.9
ENG TT: 1383.9
TSMOH: 288
FLIGHTTIME: 1383.9

Engine Entries

2 C/W ANNUAL INSPECTION ON ENGINE... Engine inspected using FAR 43 appendix D as a guide.

Engine run to operating temps, drained oil, removed oil screens, inspected, cleaned, and resecured.Installed new oil filter AA48110-2 and safety. Serviced all spark plugs. Torque and secure all plugs with new gaskets.

Compression test #1) 78/80 #2)76/80 #3)62/80 #4)76/80 #5)78/80 #6)78/80.

#3 Cylinder overhauled at this time.

Serviced engine with 10 qts.Phillips Victory 50W oil.

ADs checked thru 3-2015.

I certify this ENGINE was inspected in accordance with an ANNUAL INSPECTION and has been determined to be in Airworthy condition.

I certify that this engine has been approved for return to service.

DATE: 23 March, 2015 SIGNED:

Bernard Paquette, IA: 44540037IA

Work Order: 07892-03-2015

Printed by EBis 3 (datcomedia.com)

YEAR 20 ___ DATE				rations nber of entries.)

Date 5/07/2015 Aircraft N7268Y Type T206H S/N T20608046 Hobbs 1548.90, Tach 1393.60 Total Time 1393.60

1. Complied with cylinders compression check #1-74/80, #2- 75/80, #3- 77/80, #4- 74/80 #5- 76/80 #6- 80/80

2. Changed engine oil and filter. Cut open and visually inspected old filter. Cleaned and reinstalled oil suction screen using new p/n MS35769-39 gasket. No unusual material noted in the old filter. Installed new p/n CH48110-1 filter and safetied. Cleaned engine and lubed engine controls. Serviced engine with 10 quarts of Phillips 20W50 X/C oil.

3. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good.
END----------

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-15-3089

Peter E. Meyers A&P 2206210 5/7/15
Date

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

AMERICAN AVIATION

REG. N7268Y
MODEL TIO-540-AJ1A
S/N L-10133-61A
DATE 2/17/2016

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

W.O. 15-5002
HOBBS 1556.8
T.T 1400.9
TSMOH 305

- COMPLIED WITH A 100 HOUR/ANNUAL INSPECTION IAW FAR 43 APPENDIX D, USING CESSNA T206H INSPECTION GUIDE FOR REFERENCE.
- CHECKED ALL AD'S THRU CURRENT REVISION 2015-26. COMPLETED AN AD COMPLIANCE RECORD.
- LUBRICATED AIRCRAFT IN ACCORDANCE WITH CESSNA T206H MAINTENANCE MANUAL.
- COMPRESSION TEST RESULTS: 1) 76/80 2) 77/80 3) 74/80 4) 74/80 5) 76/80 6) 74/80
- REMOVED, CLEANED, GAPPED, INSPECTED, REINSTALLED, AND TORQUED ALL SPARK PLUGS.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- DRAINED OIL. SERVICED ENGINE WITH 11 QTS OF PHILLIPS XC 20 W 50.
- GROUND RAN AIRCRAFT.

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in The Cessna T206H Maintenance Manual the maintenance rules of the F. A. R.' s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 15-5002

Auth. Insp. _____

AMERICAN AVIATION

REG.	N7268Y	HERNANDO COUNTY AIRPORT 2495 BROAD STREET BROOKSVILLE, FLORIDA 34604 PHONE (352) 796-5173 FAX (352) 799-4681 FAA REPAIR STATION #TZ4R562M	**W.O.**	16-5169
MODEL	TSIO-540-AJ1A		**HOBBS**	1564-1
S/N	L-10133-61A		**T.T**	1408.2
DATE	6/17/2016		**TSMOH**	312.3

✈ INSTALLED # 3 CYLINDER AFTER REPAIR BY ZEPHYR AIRCRAFT ENGINE UNDER WORK ORDER # 216126 DATED 6/16/2015. REINSTALLED USING NEW GASKETS.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in The Cessna T206H Maintenance Manual the maintenance rules of the F. A. R.' s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 16-5169 .

Auth. Insp. _____

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

Av-Mech LLC
8900 Airport Blvd
Leesburg, FL 34788
352-617-2029
arnold@av-mech.com

Cessna 206H N7268Y S/N: T20608046
Tach: 1406.5 Hrs Hobbs: 1563.6 Hrs
Lycoming TIO-540-AJ1A TSMOH: 311.5 Hrs

Completed Annual Inspection in accordance with FAR43 appendix D and noted the following discrepancies: Corrosion present on wall of #3 cylinder. Attachment bracket of pitch trim servo cracked at rivet holes. Right aft passenger seat belt inertial reel inoperative. Propeller deice heat inoperative. Compression checks as follows: #1—76/80 #2—78/20 #3—78/80 #4—76/80 #5—77/80 #6—74/80. Oil drained and midstream sample taken, sent to AOA for analysis. Removed filter and cut open, no debris noted. Serviced engine with 10 quarts of Phillips X/C20W-50 engine oil and installed new Champion CH48110 filter. . Aircraft closed up and returned to customer

No further action taken

Arnold Holmes A&P2712249IA _____ 06/09/2016

YEAR 20 ____ 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 Facility. (*See* back pages for other specific entries.)

MODEL: Lyc.TIO-540-AJ1A

S/N #: L-10135-61A

Hobbs: 1600.1
TSOH: 348.0

TACH: 1443.0

DATE: 7/30/2016

A/C REG #: N7268Y

Changed oil using Aeroshell 100 plus oil and Tempest 110-2 filter. Oil sample taken as per instructions and sent to AOA for analysis. Removed, cleaned, reinstalled oil suction screen. Cut open filter, inspected, no unusual material noted. Cleaned engine. Performed compression check on #3 cylinder, results being 72/80. Engine ground ran all operating parameters normal, no leaks.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ Cert # AP3536279IA

END

Model Lyc.TIO-540-AJ1A

S/N #: L-10135-61A

Mike Annas AP,IA

TACH: 1462.0

DATE: 1/30/2017

A/C REG #: N7268Y

TSOH: ~~1462.0~~ 367.0

Removed magnetos for 500 hour overhaul. Magnetos overhauled by Eagle Magneto of New Smyrna Beach Florida, WO# 2811 and 2812. Replaced magnetos. Engine ground ran. Operating parameters normal.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ Cert # AP 3536279 IA

END

YEAR 20 ____ 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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 1474.0

TACH: 1474.0

DATE: 6/20/2017

A/C REG #: N7268Y

Annual inspection completed this date. Removed spark plugs, tested. Internal compression performed results #1=78/80;#2=76/80;#3=68/80;#4=74/80;#5=78/80;#6=74/80. Engine controls lubricated. Performed engine timing check. Inspected all accessories for attachment and leaks. Engine ran up, operating parameters normal, no leaks. AD 2009-02-03 has no repetitive action due to new gasket PN 2577258 being installed and hex plug G stamp. Complied with AD 2015-19-07 by following Lycoming service bulletin #342G instructions for inspection.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ **Cert # AP 3536279 IA**

END

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 1491.0

TACH: 1491.0

DATE: 11/15/2017

A/C REG #: N7268Y

Changed oil and filter with Aeroshell 100 plus and ch110-1 oil filter. Engine ground ran, no leaks, all engine parameters normal.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ **Cert # AP 3536279 IA**

END

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 429.5

TACH: 1524.5

DATE: 6/22/2018

A/C REG #: N7268Y

Annual inspection completed this date. Removed spark plugs, tested. Internal compression performed results #1=76/80;#2=76/80;#3=72/80;#4=74/80;#5=76/80;#6=76/80. Engine controls lubricated. Performed engine timing check. Inspected all accessories for attachment and leaks. Changed oil and filter, using Aeroshell 100 plus and 48110 filter. Filter opened, no contaminates found. Engine ran up, operating parameters normal, no leaks. AD 2009-02-03 has no repetitive action due to new gasket PN 2577258 being installed and hex plug G stamp. Complied with AD 2015-19-07 by following Lycoming service bulletin #342G instructions for inspection.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ **Cert # AP 3536279 IA**

-END-

R E	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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 448.3

TACH: 1543.3

DATE: 6/22/2019

A/C REG #: N7268Y

Annual inspection completed this date. Removed spark plugs, tested. Internal compression performed results #1=72/80;#2=74/80;#3=74/80;#4=78/80;#5=72/80;#6=74/80. Engine controls lubricated. Performed engine timing check. Inspected all accessories for attachment and leaks. Engine ran up, operating parameters normal, no leaks. Complied with AD 2015-19-07 by following Lycoming service bulletin #342G instructions for inspection.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ **Cert # AP 3536279 IA**

----------END----------

YEAR 20____ 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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 448.4

TACH: 1543.4

DATE: 7/2/2020

A/C REG #: N7268Y

Annual inspection completed this date. Removed spark plugs, tested. Internal compression performed results #1=74/80;#2=74/80;#3=72/80;#4=78/80;#5=72/80;#6=74/80. Engine controls lubricated. Performed engine timing check. Inspected all accessories for attachment and leaks. Engine ran up, operating parameters normal, no leaks. Complied with AD 2015-19-07 by following Lycoming service bulletin #342G instructions for inspection.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature_____ **Cert # AP 3536279 IA**

----------END----------

YEAR 20___ 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 Facility. (*See* back pages for other specific entries.)

Model Lyc.TIO-540-AJ1A

S/N #: L- 10135-61A

Mike Annas 770-328-8140

TSOH: 448.7

TACH: 1543.7

DATE: 7/29/2021

A/C REG #: N7268Y

Annual inspection completed this date. Removed spark plugs, tested. Internal compression performed results #1=72/80;#2=74/80;#3=72/80;#4=74/80;#5=72/80;#6=78/80. Engine controls lubricated. Performed engine timing check. Inspected all accessories for attachment and leaks. Engine ran up, operating parameters normal, no leaks. Complied with AD 2015-19-07 by following Lycoming service bulletin #342G instructions for inspection.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ **Cert # AP 3536279 IA**

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YEA
20_
DAT

Model Lyc.TIO-540-AJ1A

S/N #: L-10135-61A

TSTOH: 0.0
TSOH: 448.9

TACH: 1543.9

DATE: 2/2/2023

A/C REG #: N7268Y

Annual inspection completed this date. Engine ran up. Internal compression performed results #1=75/80;#2=75/80;#3=76/80 ; #4=77/80;#5=77/80; #6 =76/80. Removed spark plugs, cleaned, gapped and tested. Bore scoped cylinders. Rust found in each cylinder. Inspected cables, wiring, hoses for security and attachment. Removed cylinders. Cylinders overhauled by Twin Aircraft Engines, Newnan GA. WO#2016 and #1998. Installed new gaskets, hold down nuts, hoses, four pushrod ASSY, cleaned fuel injectors, installed Tempest oil filter and Aeroshell 100 Plus Oil as specified by Lycoming for turbo engine break in. Work completed IAW Lycoming Service Instructions #1060U, 1029D and Operators Manual. Engine ground ran, operating parameters normal, no leaks. Service Instruction 1427C was given to owner for field overhaul break in procedures. CW AD 17-11-10 per inspection and torque.

I certify that this aircraft/component was inspected/repaired IAW the current FAR's and was determined to be in an airworthy condition and is approved for return for service.

Signature _____ Cert # AP 3536279 IA

END