

## The Standard ENGINE LOG

ASA-SE-Y

RE AIRW( C. (P( nio, ?

<b>Engine Record</b>	General Information			1 10 10 10	recessi serte	of legality
Manufacturer	Ly coming 1-12786-3	9 A	Model _	0-3	20-D30	2
	tly installed in aircraft:					
Minimum Octane Fuel	100 005			100 20	NASTEW 5	
Magneto Time	25° BTC	Point Setting	LEFT	Rotelles	_ Firing Order	1-3-2-4
Spark Plug Gap	.018-022	2000				
Manufacturer's Recon	nmended Overhaul at	2000	hou	rs		



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.)
6-14	7	F.A.  Mo Tot Dat The pres ferric bulle plied in ac	dele al Time _ e Overhai above liste cribed by r ous parts z tins compli- with. The e cordance w	AVIATION ENGINES, INC.  Det #IQ4R267M  MAINTENANCE RELEASE  O-320-D36  Serial No.  4291-3  Time S.M.O.H.  Ded component has been inspected, remanufactured and test run as manufacturers specifications. All steel parts magnafluxed and non-civil ded with at time of overhald. All applicable air vorthiness directives component by the component identified above was repaired and inspected by Pertinent Federal Aviation Regulations and was found airworthy for ency.

YEAR 20 DATE 

EAR 0_/S	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.)
	221.1	n	squet	9N 1203 0034 4371
	221.1	n	myvite	9N 12041218 4370
	-000	H	DINSS	m4001 Shick
	.000	u	rem 4	W-15472 SN 08HX18 TT_
	000	ove	1 Houl	W-15472 3/ 08HX18 TT_
	Trans.	1		
		1		



N5542U Tach: 5011.83 Hobbs: 1554.80 July 20, 2015 T.T.A.F: 5011.83 T.T.E: 4291.30 T.S.M.O.H 2.5 Engine S/N: L-12786-39A Removed Lycoming engine model 0-320-E2A, s/n L-26764-27A. 2. Installed Lycoming engine model 0-320-D3G, s/n L12786-39A. All work done IAW Arthur Mattson STC -SA413CH and Piper PA28-140 maintenance manual. SAYI3CH TO Replaced all fluid carrying hoses. 4. Replaced all engine isolators and hardware. 5. Inspected and reinstalled exhaust system with new gaskets. Installed new oil cooler, see 8130-3 dated 6/17/15. 7. Installed Overhauled carburetor p/n 10-5217, see 8130-3 dated 6/17/15 (Marvel-Schebler LLC) C/W AD 73-20-01 (piston pins) C/W at overhaul 6/16/15 10. C/W AD87-10-06 (rocker arms) C/W at overhaul 6/16/15 11. C.W AD96-09-10 (oil pump impeller/shaft) C/W at overhaul 6/16/15. LW-18109 & LW-18110 'N' & 'C' installed 12. C/W AD98-02-08 (Crank shaft corrosion) see Aircraft Specialties Services Inc, WO # 174446 dated 8/13/09 Marked "PID" Completed a 100 hr I.A.W. FAR 43 appendix "d" and manufacturer's maintenance manual. Replaced intake air filter with new P/N: BA3. 15. Checked AD's through Avant 2015-13. I certify that this engine has been inspected in accordance with a 100 hr and has been determined to be in airworthy condition. Paul H. Peterson AF July 29, 2015 Tach: 5036.91 N5542U Removed and replaced vacuum pump p/n 215cc see 8130-3 dated 6/5/15. Operational check / leak ck satisfactory. --END--Return aircraft to service. Poul H. Per July 29, 2015

Tach: 5036.91

N5542U

Hobbs: 1685.5 Tach: 5112.37 November 24, 2015 N5542U N5542U Tach: 5159.62 October 20, 2015 TTAF: 5112.37 TTE: 4391.8 TSMOH: 103.00 TT Prop: 2724.19 Changed oil and filter. Installed new Tempest AA48110-2 pec Eng S/N: 1-12786-39A oil filter and 8 Qt's Phillips X/C 20W50 oil. rsed TTSPOH: 0658.92 Cleaned and checked engine spark plugs. ack Ran engine to check for oil leaks. Found no defects. 3) Completed 100 HR inspection IAW FAR 43 appendix "d" Work performed IAW Piper SM. and manufactures inspection sheet as a guide. Checked AD's using AVANT 2015-20 Return aircraft to service. Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil. Compression; #1: 76/80, #2 74/80, #3 78/80, #4 76/80. Phillip J Miaddox A&P Checked and set timing IAW engine data tag. 5) Cleaned, gapped, inspected, tested, and rotated all spark plugs. Ran engine to check for oil leaks and operation. Found no TT: 5193.98 Hobbs: 1799.5 December 1, 2015 N5542U defects. Installed new engine driven fuel pump, P/N LW 15472, I certify that this engine has been inspected in accordance with a 100 S/N 08J109. See 8130 for details of overhaul. hr inspection and has been determined to be in an airworthy condition Ran engine to check operation and for leaks, found no 2) at this time. defects. Work preformed IAW Lycoming overhaul Manual Wade Thompson A&P: Return aircraft to service. Donald H Purtell A&P

January 14, 2016 Tach: 5198.91 Hobbs: 1801.4 N5542U TTAF: 5198.91 TTE: 4478.34 TSMOH: 0189.54 TT Prop: 2810.73 Eng S/N: 1-12786-39A TTSPOH: 0745.46

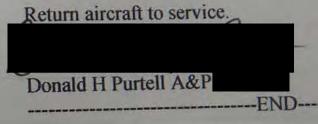
- Completed Annual inspection IAW FAR 43 appendix "d" using the manufactures inspection sheet as a guide.
- Checked AD's using AVANT 2015-26 2)
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 76/80, #2 78/80, #3 75/80, #4 77/80. 4)
- Checked and set timing IAW engine data tag. 5)
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- Replaced oil fill tube gasket P/N 72059.
- Installed new valve covers on #1 & 2 cylinders, P/N RG-75906-SP.
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy

cor

Tach: 5248.75 Hobbs: 1868.9 N5542U March 17, 2016

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.



TT: 5257.28 Hobbs: 1880.2 March 28, 2016 N5542U

- Installed new engine driven fuel pump, P/N LW 15472, S/N 09AZ18. See 8130 for details of overhaul.
- Installed serviceable carburetor P/N 10-5217 S/N MS851111.
- Ran engine to check operation and for leaks, found no
- Work preformed IAW Lycoming overhaul Manual.

Return aircraft to service. James D Jones A&P



Hobbs: 1934.5 Tach: 5298.31 April 25, 2016 TTAF: 5298.31 TTE: 4577.74 TSMOH: 0288.94 TT Prop: 2910.13 Eng S/N: 1-12786-39A TTSPOH: 0844.86

- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- Checked AD's using AVANT 2016-07
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 79/80, #2 79/80, #3 77/80, #4 79/80.
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P -END

N5542U	May 24, 2016 Ta	ich: 5348.1	Hobbs: 2000 x
1)	Changed oil and filter.	Installed new	Tempest & AASTAG
	oil filter and & Ot's Phil	line VIC 200	TEU TO TO TOTAL TURE

- Cleaned and checked engine spark plugs. 2)
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.

eturn a	aircraft to	servic	e/\		
Donald	H Purtel	I A&P	FN	D	
			LIN	D	

Hobbs: 2134.9 Tach: 5448.45 bbs: 2000.8 July 16, 2016 N5542U Hobbs: 2067.4 Tach: 5397.75 June 22, 2016 N5542U TTAF: 5397.75 TTE: 4677.18 TSMOH: 0388.38 TT Prop: 3009.57 est AA48110-2 Changed oil and filter. Installed new Tempest AA48110-2 Eng S/N: 1-12786-39A TTSPOH: 0944.30 oil filter and 8 Qt's Phillips X/C 20W50 oil. Cleaned and checked engine spark plugs. o defects. Ran engine to check for oil leaks. Found no defects. Completed 100 HR inspection IAW FAR 43 appendix "d" 3) Work performed IAW Piper SM. and manufactures inspection sheet as a guide. Checked AD's using ATP Aviation Hub rev: 06/21/2016. Return aircraft to service. Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil. Compression; #1: 79/80, #2 77/80, #3 77/80, #4 79/80. 4) James D Jones A&P Checked and set timing IAW engine data tag. 5) Cleaned, gapped, inspected, tested, and rotated all spark Ran engine to check for oil leaks and operation. Found no Hobbs: 2131.7 TT: 5445.89 July 15, 2016 N5542U defects. Installed O/Hed carburetor P/N 10-5217 S/N MSB16824. I certify that this engine has been inspected in accordance with a 100 Ran engine to check operation and for leaks, found no hr inspection and has been determined to be in an airworthy condition 2) Work preformed IAW Lycoming overhaul Manual. Return aircraft to service. Phillip J Maddbx A&P -END Wade Thompson A&P

September 13, 2016 Tach: 5547.52 Hobbs: 2269.6 N5542U Hobbs: 2202.3 endi Tach: 5497.62 TTAF: 5397.62 TTE: 4777.05 TSMOH: 0488.25 TT Prop: 3109.44 N5542U August 18, 2016 See Changed oil and filter. Installed new Tempest AA48110-2 Eng S/N: I-12786-39A oil filter and 8 Qt's Phillips X/C 20W50 oil. TTSPOH: 1044.17 Cleaned and checked engine spark plugs. Ran engine to check for oil leaks. Found no defects. 3) Completed 100 HR inspection IAW FAR 43 appendix "d" Work performed IAW Piper SM. and manufactures inspection sheet as a guide. Checked AD's using ATP Aviation Hub rev: 08/16/2016. Return aircraft to service. Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil. Compression; #1: 79/80, #2 80/80, #3 80/80, #4 80/80. Phillip J Maddox A&P Preformed 500 Hr inspection on the left and right -END-5) Checked and set timing IAW engine data tag. Cleaned, gapped, inspected, tested, and rotated all spark plugs. Ran engine to check for oil leaks and operation. Found no defects. I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time. Wade Thompson A&P

TIS

October 04, 2016 N5542U Tach: 5596.91 Hobbs: 2336.5 and TTAF: 5596.9. TTE: 4876.34 TSMOH: 587.54 TT Prop: 3208.73 ee Eng S/N: I-12786-39A

0-2

- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- 2) Checked AD's using ATP Aviation Hub rev: 10/01/2016.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- 4) Compression; #1: 78/80, #2 79/80, #3 76/80, #4 79/80.
- 5) Checked and set timing IAW engine data tag.
- 6) Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- 7) Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P \_\_\_\_\_END\_\_\_

N5542U October 5, 2016 TT: 5597.02 Hobbs: 2336.7

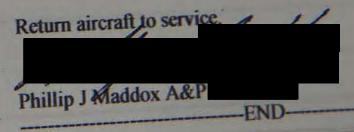
- Installed serviceable carburetor P/N 10-5217 S/N MS955210 removed.
- Ran engine to check operation and for leaks, found no defects.
- Work preformed IAW Lycoming overhaul Manual.

Wade Thompson A&P

END

N5542U November 2, 2016 TT: 5652.4 Hobbs: 2409.1

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Cleaned and checked engine spark plugs.
- 3) Ran engine to check for oil leaks. Found no defects.
- 4) Work performed IAW Piper SM.





Hobbs: 2468.0 Tach: 5696.84 TTAF: 5696.84 TTE: 4976.27 TSMOH: 0687.47 TT Prop: 3308.66 TTSPOH: 1243.39

- Completed Annual inspection IAW FAR 43 appendix "d" using the manufactures inspection sheet as a guide.
- Checked AD's using ATP Aviation Hub rev: 11/25/2016.
- Changed oil and filter. Installed new Tempest AA48110-2 2) oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 76/80, #2 78/80, #3 75/80, #4 77/80. 4)
- Checked and set timing IAW engine data tag. 5)
- Cleaned, gapped, inspected, tested, and rotated all spark 6)
- Installed new cylinder in the #1 position, P/N AEL65102 SN04.1.
- Tightened hose clamp on #2 cylinder drain back hose.
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition at this time.

Donald H Purtell A&P

ent N5542U January 11, 2017 TT: 5746.36 Hobbs: 2534.0 See

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.

	ce.	2
Jacob N Smith A&P		
	END	

March 13, 2017 Tach: 5796.7 Hobbs: 2601.0 N5542U TTAF: 5796.7 TTE: 5076.14 TSMOH: 0787.34 TT Prop: 3408.53 Eng S/N: I-12786-39A TTSPOH: 1343.26

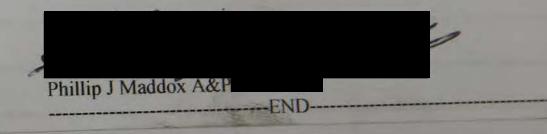
- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- Checked AD's using ATP Aviation Hub rev: 3/11/17
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 75/80, #2 77/80, #3 72/80, #4 72/80. 4)
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- Installed one new spark plug P/N UREM40E.
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P

TT: 5846.6 Hobbs: 2665.6 April 18, 2017 N5542U

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips Victory AW100 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects.
- Work performed IAW Piper SM.





Hobbs: 2730.4 Tach: 5896.32 TTAF: 5896.32 TTE: 5175.76 TSMOH: 0886.96 TT Prop: 3508.15 June 13, 2017 TTSPOH: 1442.88 12786-39A

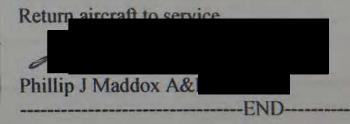
- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- Checked AD's using ATP Aviation Hub rev: 6/13/17.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 75/80, #2 77/80, #3 72/80, #4 72/80. 4)
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark 6) plugs.
- Staked #4 cylinder. 7)
- Installed new valve cover gasket #3 cylinder, P/N 75906SP. 8)
- Installed new oil tube gasket, P/N RG-72059.
- Torqued bolts at front of engine. 10)
- 11) Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P

August 3, 2017 TT: 5947.12 N5542U

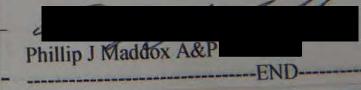
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM. 4)



TT: 5955.73 Hobbs: 2808.3 August 8, 2017 N5542U

- Installed serviceable magneto has had the 500hr inspection, Mod 4370, S/N 14010125. Set timing IAW engine data plate.
- Check operation, found no defects.
- Work performed IAW Piper SM.

Return aircraft to service.



N5542U September 7, 2017 Tach: 5996.16 Hobbs: 2862.4 TTAF: 5996.16 TTE: 5275.59 TSMOH: 0986.79 TT Prop: 3607.98 Eng S/N: L-12786-39A TTSPOH: 1542,71

- Completed Annual inspection IAW FAR 43 appendix "d" using the manufactures inspection sheet as a guide.
- Checked AD's using ATP Aviation Hub rev: 9/06/2017.
- Changed oil and filter. Installed new Tempest AA48110-2 3) oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 73/80, #2 76/80, #3 74/80, #4 71/80. 4)
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- Installed O/H carburetor, P/N 10-5217, S/N MSE09706. See 8130 for details of O/H.
- Inspected It & rt magneto IAW 500 HR inspection.
- Installed new crankshaft seal, P/N 13792. 9)
- Ran engine to check for oil leaks and operation. Found no 10) defects.

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy

Phillip J Maudox 1

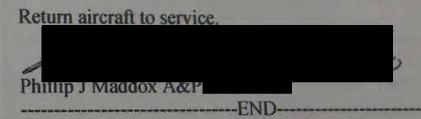
con

N5542U September 13, 2017 TT: 6002.14

Hobbs: 2870.4

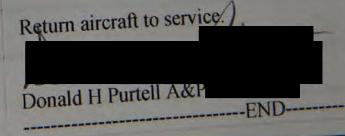
Hobbs: 2928.8

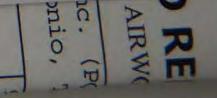
- Installed new spark plug, P/N UREM40E in the #2 cylinder bottom.
- Check operation, found no defects. 2)
- Work performed IAW Piper SM.



TT: 6046.1 September 29, 2017 N5542U

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.





N5542U November 14, 2017 Tach: 6096.22 Hobbs: 2992.6 TTAF: 6096.22 TTE: 5375.65 TSMOH: 1086.85 TT Prop: 3708.04 TTSPOH: 1642.77 Eng S/N: 1-12786-39A

- 1) Completed Annual inspection IAW FAR 43 appendix "d" using the manufactures inspection sheet as a guide.
- 2) Checked AD's using ATP Aviation Hub rev: 11/07/2017.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- 4) Compression; #1: 76/80, #2 78/80, #3 75/80, #4 77/80.
- 5) Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- 7) Tightened all oil drain back hose clamps.
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition at this time.

Phillip J Maddox A&P \_\_\_\_\_END-----

N5542U December 8, 2017 TT: 6145.53 Hobbs: 30603

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips 20W50 oil.
- 2) Cleaned and checked engine spark plugs.
- 3) Ran engine to check for oil leaks. Found no defects.
- 4) Work performed IAW Piper SM.

Return aircraft to service.

Phillip J Maddox A&I

N5542U December 11, 2017

TT: 6151.82 Hobbs: 3068.7

- Removed & repaired by installing new disturber gear, P/N \_ K3008.
- Check operation, found no defects.
- Installed noise filter on the alternator power lead, P/N CA63897-006
- 4) Work performed IAW Piper SM.

Return aircraft to service.

Donald H Purtell A&P

-END-

bbs: 3060.3

AA48110-2

efects.

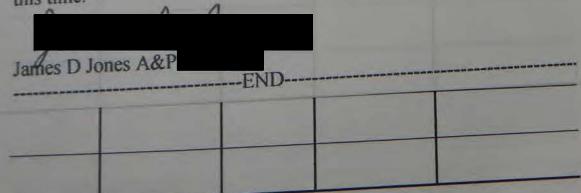
3068.7

/N

January 15, 2018 Tach: 6195.21 Hobbs: 3127.4 TTAF: 6195.21 TTE: 5474.65 TSMOH: 1185.85 TT Prop: 3807.04 Eng S/N: 1-12786-39A TTSPOH: 1741.77

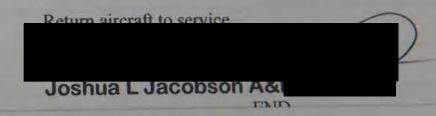
- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- Checked AD's using ATP Aviation Hub rev: 1/9/18.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- Compression; #1: 75/80, #2 77/80, #3 72/80, #4 72/80. 4)
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark 6)
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 1001 inspection and has been determined to be in an airworthy condition at this time.



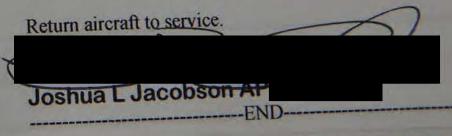
February 23, 2018 N5542U TT: 6246.02 Hobbs: 3194.9

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.



Hobbs: 3337.8 TT: 6344.22 April 21, 2018 N5542U

- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips 20W50 oil.
- Cleaned and checked engine spark plugs.
- Ran engine to check for oil leaks. Found no defects. 3)
- Work performed IAW Piper SM.





N5542U March 27, 2018 Tach: 6294.22 Hobbs: 3260.20 TTAF: 6294.22 TTE: 5573.66 TSMOH: 1284.86 TT Prop: 3906.05 TTSPOH: 1840.78 Eng S/N: I-12786-39A

- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- 2) Checked AD's using ATP Aviation Hub rev: 3/27/18.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- 4) Compression; #1: 77/80, #2 77/80, #3 78/80, #4 75/80.
- 5) Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- 7) Safetied propeller mount bolts with .041 safety wire.
- Installed new vacuum pump drive seal, P/N 06A19956.
   Installed Accessory drive adapter with new gaskets, P/N SL8313 & SL 61183.
- 9) Installed one new spark plug, P/N UREM40E.
- 10) Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P

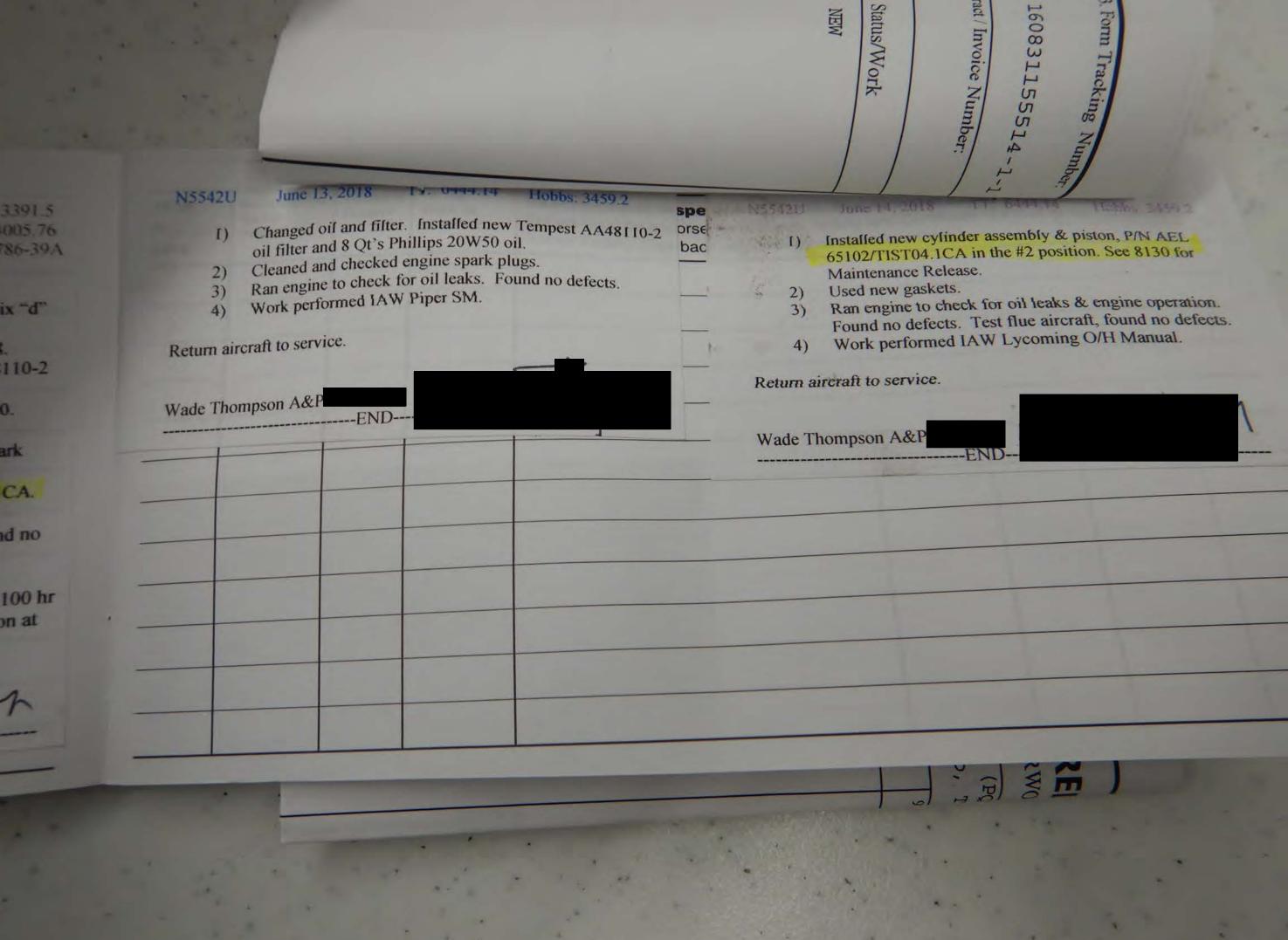


N5542U May 11, 2018 Tach: 6393.93 Hobbs: 3391.5 TTAF: 6393.93 TTE: 5673.37 TSMOH: 1384.57 TT Prop: 4005.76 TTSPOH: 1940.49 Eng S/N: I-12786-39A

- Completed 100 HR inspection IAW FAR 43 appendix "d" and manufactures inspection sheet as a guide.
- 2) Checked AD's using ATP Aviation Hub rev: 5/08/18.
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- 4) Compression; #1: 77/80, #2 77/80, #3 78/80, #4 75/80.
- Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- 7) Installed new #4 cylinder and gaskets, P/N TIST-04-1CA. See 8130 for details.
- Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson A&P END



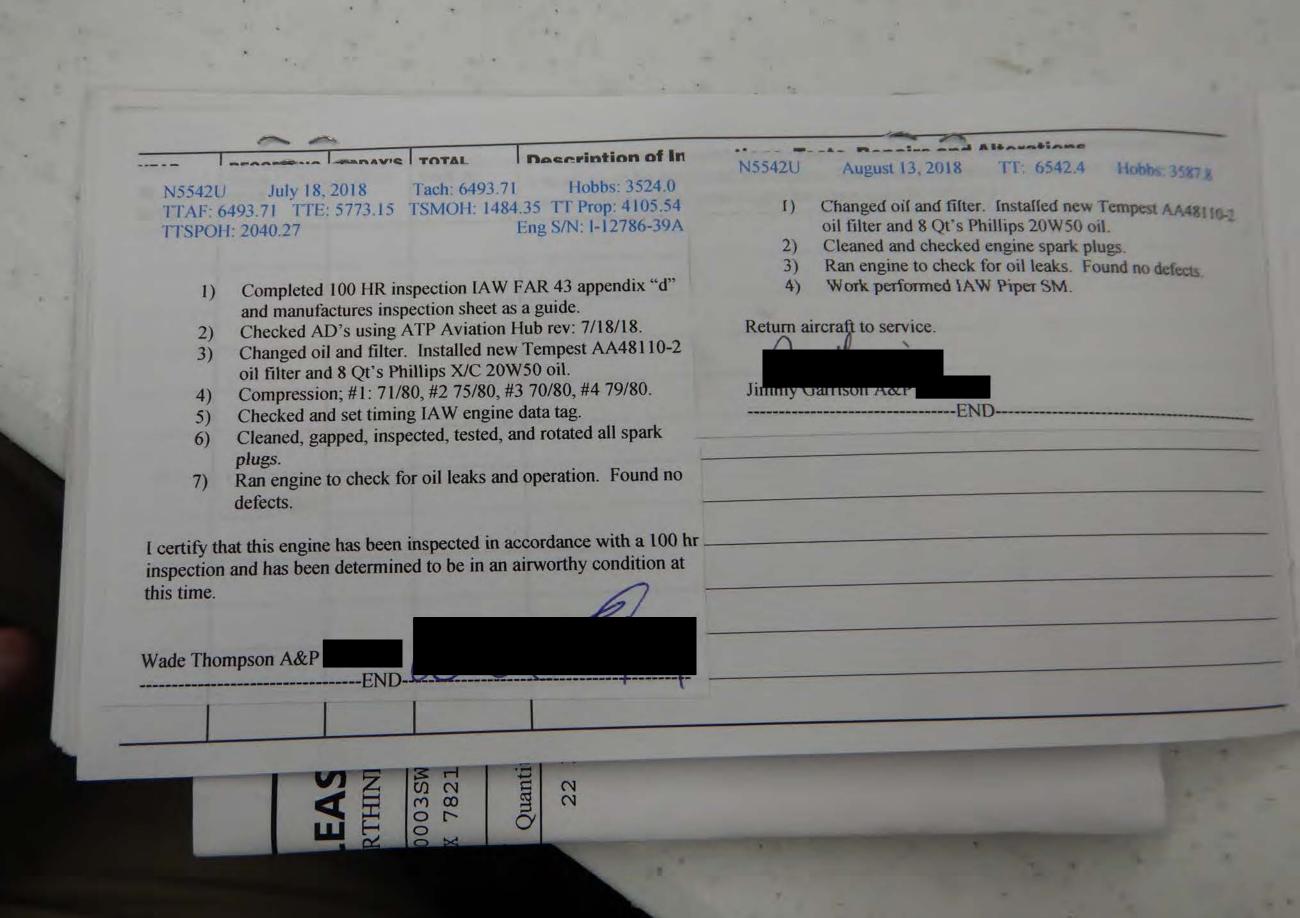
0.

ark

CA.

nd no

on at

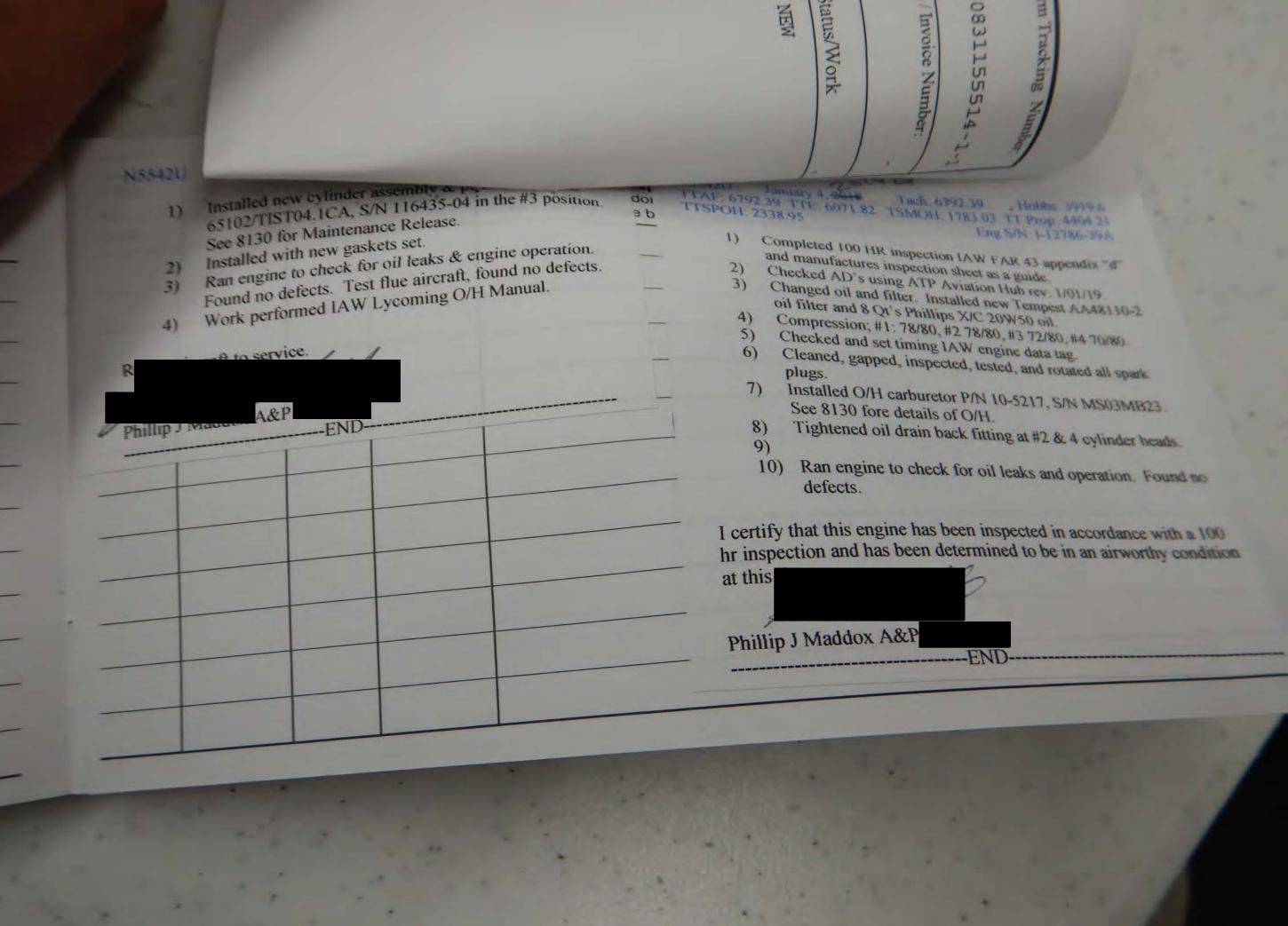


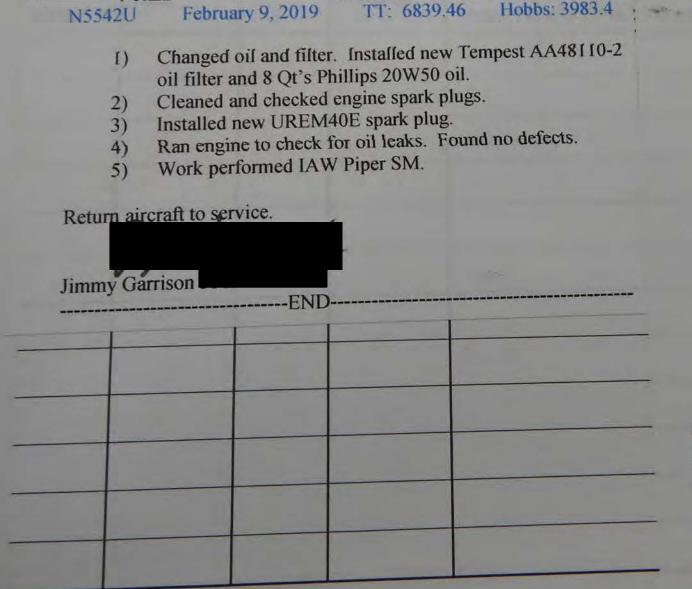
N5542U October 3, 2018 TT: 6642.91 Hobbs: 3587.8 N5542U September 12, 2018 Tach: 6592.64 Hobbs: 3654.6 ISI TTAF: 6592.64 TTE: 5872.08 TSMOH: 1583.28 TT Prop: 4204.47 Changed oil and filter. Installed new Tempest AA48110-2 Eng S/N: I-12786-39A TTSPOH: 2139.2 oil filter and 8 Qt's Phillips 20W50 oil. Cleaned and checked engine spark plugs. AA48110-2 Ran engine to check for oil leaks. Found no defects. Completed Annual inspection IAW FAR 43 appendix "d" Work performed IAW Piper SM. using the manufactures inspection sheet as a guide. Checked AD's using ATP Aviation Hub rev: 09/08/2018. Return aircraft to service. Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil. Compression; #1: 77/80, #2 77/80, #3 71/80, #4 75/80. Jimmy Garrison A& Checked and set timing IAW engine data tag. Cleaned, gapped, inspected, tested, and rotated all spark plugs. Installed serviceable left mag Mod: 4371, S/N 11060341. Performed 500 Hr inspection on right mag. 8) Ran engine to check for oil leaks and operation. Found no defects. I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy Phillip J Maddox A&P

18: 3587.8

fects.

Hobbs: 3787.7 Tach: 6692.64 October 28, 2018 In: N5542U November 27, 2018 TT: 6741.48 N5542U Hobbs: 3853.0 TTAF: 6692.64 TTE: 5972.08 TSMOH: 1683.28 TT Prop: 4304.47 and Eng S/N: I-12786-39A Changed oil and filter. Installed new Tempest AA48110-2 TTSPOH: 2239.2 lee oil filter and 8 Qt's Phillips 20W50 oil. Completed 100 HR inspection IAW FAR 43 appendix "d" Cleaned and checked engine spark plugs. and manufactures inspection sheet as a guide. Installed new UREM40E spark plug. Checked AD's using ATP Aviation Hub rev:10/27/18. Ran engine to check for oil leaks. Found no defects. 4) Changed oil and filter. Installed new Tempest AA48110-2 Work performed IAW Piper SM. 3) oil filter and 8 Qt's Phillips X/C 20W50 oil. Compression; #1: 71/80, #2 75/80, #3 70/80, #4 79/80. Return aircraft to service 4) Checked and set timing IAW engine data tag. 5) Cleaned, gapped, inspected, tested, and rotated all spark Adam Chinrock A&P plugs. Ran engine to check for oil leaks and operation. Found no defects. I certify that this engine has been inspected in accordance with a 100 hr inspection and has been determined to be in an airworthy condition at this time James D Jones A&P END. Ouantil 00381 82 22





Quai

TODAY'S

FLIGHT

TOTAL

TIME IN

**Description of Ins** 

Entries must be endo

RECORDING

TACH

TIME

YEAR

N5542U March 12, 2019 Tach: 6891.92 Hobbs: 4053.4 TTAF: 6891.92 TTE: 6171.35 TSMOH: 1882.56 TT Prop. 4503.74 TTSPOH: 2438.48 Eng S/N: 1-12786-39A

- 1) Completed Annual inspection IAW FAR 43 appendix of using the manufactures inspection sheet as a guide.
- 2) Checked AD's using ATP Aviation Hub rev: 03/11/2019
- Changed oil and filter. Installed new Tempest AA48110-2 oil filter and 8 Qt's Phillips X/C 20W50 oil.
- 4) Compression; #1: 77/80, #2 77/80, #3 71/80, #4 75/80.
- 5) Checked and set timing IAW engine data tag.
- Cleaned, gapped, inspected, tested, and rotated all spark plugs.
- Installed new valve cover gaskets #2 & 4, P/N 75906.
- 8) Installed new seals on the #2 cylinder exhaust tube.
- 9) Installed two new spark plugs, P/N UREM40E.
- 10) Tightened clamp on the oil return line #4 cylinder
- 11) Installed new gasket #3 cylinder, P/N 71973.
- 12) Installed new exhaust gasket on #3 & 4 Cylinder.
- 13) Ran engine to check for oil leaks and operation. Found no defects.

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in an airworthy condition at this time.

Wade Thompson END

bbs: 4053.4 op: 4503.74 12786-39A pendix "d" ide. 3/11/2019. AA48110-2 75/80. all spark 5906. be. 35 Found no ith an rthy

N5542U	April 15, 2019 TT: 69		Inspections, Tests, Repairs and Alterations endorsed with Name, Rating and Certificate Number of Technician or see back pages for other specific entries
(1)	Changed oil and filter. Installed oil filter, 7 Qt's Phillips 20W5 Camguard.	0 C/X oil & one pint of	ee back pages for other specific entries.)
2)	Cleaned and checked engine s	k plug.	
4) 5)	Ran engine to check for oil lea Work performed IAW Piper S	ks. Found no defects.	
Return airs	craft to service.		
hillip J M	Maddox		
nilip J ivi	END		