

BOOK#3



The Standard
ENGINE LOG

Engine Record General Information

Manufacturer CONTINENTAL MOTORS Model IO 470 N 11

Serial 96441 R Type Certificate _____

This engine is currently installed in aircraft: BONANZA 35 N MODEL
SERIAL # 6782

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

DATE 10	RECORDING TACH TIME	TODAYS 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.)
4-18-03	4369.02			<p> INSTALLED O/HAULED IO-470 N-17 ENGINE S/N 96441R BY GANN AVIATION INS.N. 6782 MODEL BENDAZA 513R. TT 1558.70 HR THIS ENGINE WAS A TCM REMAN AND REMOVED FROM N650B AT-TT. 1558.70 NEW ENGINE MOUNTS, BOLTS FIRE PROOF FUEL LINES, BRACKET AIR FILTER, NEW OIL FILTER, 10QT OIL, O/HAULED VACUUM PUMP G 455 SN 3303 AND PROP GOVERNOR P/N 210680 S/N 1446894. ENGINE TEST RUN & FOUND NO LEAKS. COMPRESSION TEST CYL #1 78/80 #2 74/80 #3 80/80 #4 77/80 #5 76/80 #6 80/80 ENGINE INSTALLATION IS AIRWORTHY AND APPROVED FOR SERVICE Dominic A. Della Valle 4/18/03 P 1196945 </p>

DATE 19____	RECORDING TACH TIME	TODAYS 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.)
4-18-03	4369.02	T.T. E	1558.70	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 100 hr ANNUAL INSPECTION CHECK LIST AND FOUND TO BE IN AIRWORTHY CONDITION DATE 4/18/03 ENSTT 1558.70 TT TACH TIME 4369.02 Dominick D. Hall P1196945
				I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				DATE <u>4/19/03</u> , TOTAL TIME <u>1558.7</u> SIG. <u>M. J. Denest</u> No. <u>P19544336 SA</u> M. J. DENEST
6/23/03	4378.40			OIL + FILTER CHANGE INSTALLED 9QT PHILLIPS 20W-50 MINERAL OIL ENGINE TEST RUN O.K. APPROVED FOR SERVICE D. D. Hall P1196945

DATE 49-03+04	RECORDING TACH TIME	TODAYS 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.)
11/18/03	4408.6			OIL + FILTER CHANGE - INSTALLED 9QT PHILLIPS 10W50 MINERAL OIL, TEST RUN AND APPROVED FOR RETURN TO SERVICE D. Della Valle P 1196945
		S M O	39.58	
		T.T. E	159828	
5/22/04				ANNUAL INSPECTION OF ENGINE PER CONTINENTAL/BEECH GUIDE. OIL FILTER CHANGED - COMP TEST ^{1 3 5 2 4 6} 8/80 8/80 8/80 7/80 7/80 8/80 REPLACED AIR FILTER - CHECKED EX-TNT AND ENG FOR LEAKS. CHECKED INS TIMING 4/H 26° R/H 26°. INSPECT PROP FOR RED DYE LEAKS CRACKS IN BACK PLATE + OVER ALL CONDITION OF PROP. LOBED ALL CONNECTIONS. ENGINE TTSMO 54.03 HI AIRCRAFT TT 4423.05 HI ENGINE IS APPROVED FOR RETURN TO SERVICE D. Della Valle 1196945-5/22/04

and Alterations
 Date Number of
 specific entries.)

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DATE 2006 19	RECORDING TACH TIME	TODAYS 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.)
4/8/06	4476.51			TACH TIME 4476.51 REMOVED MCCAULEY
	ESMO		107.49	PROPELLER P/N 2 A37C223
	TTE		1666.19	S/N 901082. INSTALLED ^{S/N 050987} NEW
				MCCAULEY PROPELLER P/N 3A36434/80
				VERA-0 PER MCCAULEY INSTRUCTION
				AND STC SA00718C HAND KIT
				# PL60223. ENGINE TEST RUN
				NO LEAKS AND PROP CYCLED
				NORMAL. SEE FORM 337 DATED
				4/10/06. WT AND BALANCE REVISED
				AND INSERTED IN AIRCRAFT RECORDS
				Signature: [Signature] A7506523255

DATE 2006 19	RECORDING TACH TIME	TODAYS 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.)												
7/08/06	4494.23	AIRERA E.S.MO T.T.E	4494.23 125.21 1683.91	<p>PERFORMED 100 HF INSPECTION FOR ANNUAL OF ENGINE PER CONTINENTAL & BEECH GUIDE. OIL & FILTER CHANGED. INSTALLED 10qt PHILLIPS 20/50 OIL & 48109 PORELATOR FILTER</p> <p>COMPRESSION TEST</p> <table border="0"> <tr> <td>1</td> <td>3</td> <td>5</td> <td>2</td> <td>4</td> <td>6</td> </tr> <tr> <td>80/75</td> <td>80/78</td> <td>80/72</td> <td>80/76</td> <td>80/78</td> <td>80/79</td> </tr> </table> <p>IGNITION TIMING H/H 20° R/H 20°</p> <p>INTAKE + EX SYSTEM CHECKED. S/PLUG CLEANED AND GAP CHECKED. INTAKE FILTER REPLACED. THIS ENGINE WAS FOUND TO BE IN ACCORDANCE WITH 100 HF INSPECTION & DETERMINED TO BE IN AIRWORTHY CONDITION</p> <p>Dominic Della Valle P 1196945 7/08/06</p>	1	3	5	2	4	6	80/75	80/78	80/72	80/76	80/78	80/79
1	3	5	2	4	6											
80/75	80/78	80/72	80/76	80/78	80/79											

DATE 19 ____	RECORDING TACH TIME	TODAYS 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.)
7/09/06	4494.23	SMOH	125.21	Complied with annual inspection. AD's checked through this date - complied with. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. <i>Michael S. ASP 188507366 IA</i>

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1722.58	Tach	4532.9
Date	7/20/2007	SMOH	163.8

Complied with inspection per Teledyne Continental requirements. Oil filter cut open and inspected, no foreign particles found. Installed 10 quarts Phillips 20W-50w-50 oil and new filter CH48109-1. Compression tests: 1) 72/80; 3) 80/80; 5) 78/80; 2) 76/80; 4) 75/80; 6) 74/80. Set ignition timing LH and RH to 20 deg BTDC. Checked travel and lubed engine controls. Serviced and charged battery.. Test ran engine; satisfactory, no leaks at this time. Checked ADs through 2007-14. See aircraft log for complete list.


Authorized signature
Powerplant 1196945
Phone 610-692-7106

Dominic A. Della Valle

DATE 19__	RECORDING TACH TIME	TODAYS 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.)
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Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1722.58	Tach	4532.9
Date	7/20/2007	SMOH	163.8

Complied with annual inspection of this engine. See previous entry for details. I certify that this engine was inspected in accordance with an annual inspection, and found to be in airworthy condition.

Authorized signature 
A&P 2630491 IA
Phone: 484-888-8155

DATE 2008 19	RECORDING TACH TIME	TODAYS 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.)
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7-1-08

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1764.0	Tach	4574.5
Date	7/1/2008	SMOH	205.3

Complied with inspection per Teledyne Continental requirements. Oil filter cut open and inspected, no foreign particles found. Installed 10 quarts Phillips 20W-50w-50 oil and new filter Kelly CH48109-1. Compression tests: 1) 72/80; 3) 76/80; 5) 78/80; 2) 76/80; 4) 70/80; 6) 78/80. Replaced all spark plugs with new Unison URHB32S. Checked ignition timing RH 20 ½ and RH to 20 deg BTDC. Replaced fuel flow sensor. Test ran engine; satisfactory, no leaks at this time. Checked ADs through 2008-13. See aircraft log for complete list.

Authorized signature *Dominic Della Valle*
 Powerplant 1196945
 Phone 610-692-7106

DATE 19 _____	RECORDING TACH TIME	TODAYS 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.)

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1781.3	Tach	4591.6
Date	7/15/2009	SMOH	222.6

Complied with inspection per Teledyne Continental requirements. Oil filter cut open and inspected, no foreign particles found. Installed 10 quarts Phillips 20W-50w-50 oil and new filter Champion CH48109-1. Compression tests: 1) 76/80; 3) 77/80; 5) 78/80; 2) 75/80; 4) 72/80; 6) 70/80. Cleaned and gapped spark plugs. Checked ignition timing RH and LH 20 1/2 BTDC. Test ran engine; satisfactory, no leaks at this time. Checked ADs through 2009-14. See aircraft log for complete list. I certify that this engine was inspected in accordance with an annual inspection, and found to be in airworthy condition.

Authorized signature _____
 A&P 506523255 IA
 Phone 610-692-7106

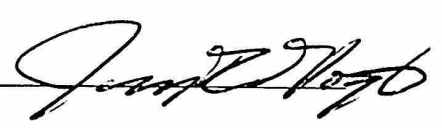


DATE 10-2010	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-8				

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1808	Tach	4618.3
Date	8/8/2010	SMOH	249.3

Complied with inspection per Teledyne Continental requirements. Oil filter cut open and inspected, no foreign particles found. Installed 10 quarts Phillips 20W-50w-50 oil and new filter Champion CH48109-1. Compression tests: 1) 74/80; 3) 74/80; 5) 80/80; 2) 74/80; 4) 76/80; 6) 76/80. Cleaned and gapped spark plugs. Checked ignition timing RH 20 1/4 and LH 20 1/2 degrees BTDC. Test ran engine; satisfactory, no leaks at this time. Checked ADs through 2010-15. See aircraft log for complete list. I certify that this engine was inspected in accordance with an annual inspection, and found to be in airworthy condition.

Authorized signature 
 A&P 1915627 IA
 Phone 610-692-7106

DATE 2011 18	RECORDING TACH TIME	TODAYS 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.)
				Registration N513R Make Teledyne/Cont. S/N 96441-R Model I/O 470N TTE 1820.5 Tach 4630.8 Date 11/1/2011 SMOH 261.8
				<p>Complied with inspection per Teledyne Continental requirements. Oil filter cut open and inspected, no foreign particles found. Installed 9 quarts Phillips 20W-50w-50 oil and new filter Champion CH48109-1. Compression tests: 1) 75/80; 3) 75/80; 5) 80/80; 2) 74/80; 4) 78/80; 6) 76/80. Cleaned and gapped spark plugs. Checked ignition timing RH 20 and LH 20 degrees BTDC. Test ran engine; satisfactory, no leaks at this time. Checked ADs through 2011-21. See aircraft log for complete list. I certify that this engine was inspected in accordance with an annual inspection, and found to be in airworthy condition.</p>
				Authorized signature  A&P 1915627 IA Phone 610-692-7106

DATE 6/13 105-3	RECORDING TACH TIME	TODAYS 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.)
				REG 513R MAKE TELEDYNE CONT
				SIN 96441R MODEL 1/0 470 N
				TTE 1847.04 TACH 4657.74
				DATE SMOH 288.34
				COMPLIED WITH INSPECTION PER TELEDYNE CONT REQUIREMENT
				OIL FILTER OUT OPEN + INSPECTED. NO FOREIGN PARTICLES FOUND. INSTALLED
				9PTS PHILLIP 20 W50 WITH NEW CHAMPION FILTER CH 48109-1. CHECKED
				IGN TIMING RH 20/4 LH 20/4. COMPRESSION TESTS
				1) 80/80 3) 72/80 5) 72/80 2) 78/80 4) 77/80 6) 77/80
				TEST RAN ENGINE; SATISFACTORY. NO LEAKS AT THIS
				TIME. A.Ds THRU 2013-21 COMPLIED WITH
				Dominic A Della Valle
				POWER PLANT # 1196945
				PHONE # 610-388-7586

DATE 19__	RECORDING TACH TIME	TODAYS 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.)
	Registration	N513R	Make	Teledyne/Cont.
	S/N	96441-R	Model	I/O 470N
	TTE	1847.04	Tach	4657.74
	Date	5/3/2013	SMOH	288.34

Complied with inspection per Teledyne Continental requirements. Cleaned sumps and screens, Oil filter cut open and inspected, no foreign particles found. Installed 9 quarts Phillips 20W-50 oil and new filter Champion CH48109-1. Compression tests: 1) 80 /80; 3) 72/80; 5) 72/80; 2) 78/80; 4) 77/80; 6) 77/80. Cleaned and gapped spark plugs. Checked ignition timing RH 20 1/4 and LH 20 1/4 degrees BTDC. Test ran engine; satisfactory, no leaks at this time. C/W AD 76-07-12R1 Bendix ignition switches, Checked ADs through 2013-03. See aircraft log for complete list. I certify that this engine was inspected in accordance with an annual inspection, and found to be in airworthy condition.

Authorized signature Dominic DellaValle
 Dominic DellaValle 1196945
 Phone 610-692-7106

DATE 2014 19-	RECORDING TACH TIME	TODAYS 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.)
6/6/2014				<p>THIS ENGINE TDI THIS DATE DUE TO PROPELLER STRIKE! THIS INSPECTION PERFORMED IAW §1B96-11B. CRANKSHAFT REWORK & CRCT DONE BY AEA W/OTH 175428. ALL STEEL PARTS & GEARS UNDER W/OTH 175431, POW. Rods - W/OTH 175430. THIS ENGINE ASSEMBLED THIS DATE USING ALL NEW SEALS & GASKETS - NOTE: NO CYLINDER OR VALVE TRAIN WORK DONE AT THIS INTERVAL! NEW CAM PIN 655384 INSTALLED - NEW LIFTER ASSY'S P/N'S §A646277 & 628488. NEW ROD BEARINGS P/N §A 630826 MO10 - NEW MAIN BEARING SET P/N §A 646591A1 MO10 - ALSO NEW ROD BOLTS P/N §A629340, 628109 NUT & NEW COTTER PINS M# 24665-229. P/N 653749 P.060 STARTER GASKET USED THIS DATE! DUE TO CRANKSHAFT GEAR REPLACEMENT IAW §1308-12 SEE AEA W/OTH 175431! MAGNETS P/N 10-163020-3, 10-163060-1 S/N'S 37619 & 725069. INSPECTED BY COLUMBIA A/C BUT NOT INSTALLED SEE YELLOW TAGS -</p>

CONT. d NEXT PG →

172577 1102W-157

DATE 2014 9- 6/6/2014	RECORDING TACH TIME	TODAYS 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.)
				This engine must be pre-oiled & serviced with appropriate grade oil! This repair was done IAW MFG's MAINT. MAN! <i>[Signature]</i> A24921972A - END -

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1873.5	Tach	4684.2
Date	8/2/2014	SMOH	314.8
		STD	

Replaced CHT probes on #2 and #5 cylinders. Cleaned sumps and screens. Cleaned and gapped spark plugs. Replaced induction filter with BA7112, replaced remote oil filter element with Champion CH48109-1. Preoiled engine and installed 10 quarts of Aeroshell 15W-50 oil.. Ground runs and flight tests satisfactory. No leaks at this time. I certify that this engine was inspected in accordance with manufacturer's instructions and found to be in airworthy condition.

Authorized signature *[Signature]*
 A&P 1915627 IA
 Phone 610-692-7106


DATE	RECORDING TACH TIME	TODAYS 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.)
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18 2014

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1891.5	Tach	4684.2 <i>4702.2</i>
Date	8/2/2014	SMOH	332.8

Compressions were measured as follows:

- 1.) 71/80, 2.) 76/80, 3.) 76/80, 4.) 76/80, 5.) 76/80, 6.) 72/80, (master orifice 39/80). All readings using ETC Model E-2M with 0.040 orifice.

Authorized signature 
 A&P 1915627 IA
 Phone 610-692-7106

DATE

19 _____

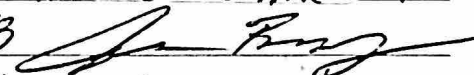

Registration	N513R	Make	Teledyne/Cont.
S/N	96441-R	Model	I/O 470N
TTE	1899.23	Tach	4709.93
Date	10/20/2015	SMOH	340.53
		STD	25.73

~~Replaced CHT probes on #2 and #5 cylinders.~~ Adjusted and secured alternator. Cleaned sumps and screens. Checked engine control travel. Cleaned and gapped spark plugs. Took oil sample for analysis. Replaced remote oil filter element with Champion CH48109-1. Installed 10 quarts Phillips 20W-50XP oil. Replaced seals in #1 cylinder push rod tubes due to oil leak. Compression tests: 1) 65 /80; 3) 71/80; 5) 75/80; 2) 78/80; 4) 73/80; 6) 75/80. Ground runs and flight tests satisfactory. No leaks at this time. Checked Ads through AD15-20. I certify that this engine was inspected in accordance with manufacturer's instructions and found to be in airworthy condition.

Authorized signature _____
 A&P 1915627 IA
 Phone 610-692-7106



Registration	N513R	Make	McCauley
S/N	130978	Model	3A36C434-A
TTP	25.73	Tach	4709.93
Date	10/20/2015		

DATE	RECORDING TACH TIME	TODAYS 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.)
2016 10/1/16	4713.4 TSMOH 344.0			ANNUAL INSP. IAW CONTINENTAL O/H MANUAL. COMPRESSION TEST #1 73 2 72 #3 68 #4 77 #5 78 #6 75. MASTER ORFICE 50. DRAINED OIL CUT FILTER NO METAL PRESENT AT THIS TIME. SAFTED NEW FILTER AND SERVICED WITH 1QT 20W50 PHILLIPS. V MAG TIMING. V ENGINE CONTROLS. LUBED & REROUTED MIXTURE & THROTTLE CABLES DUE TO STIFFNESS. CLEAN & GAPED PLUGS. RUN UP LGAK V GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL AND FOUND AIRWORTHY. IA 3686133 
11/1/17 TSMOH	4722.5 352.9			ANNUAL INSPECTION IAW CONTINENTAL O/H MANUAL AND CURRENT OARS. COMP TEST #1 74 2 73 3 70 #4 75 #5 77 #6 76 MASTER ORFICE 52. DRAINED OIL CUT FILTER NO METAL FOUND. CLEANED & GAPED PLUGS. V MAG TIMING. SERVICED WITH 1QTS 20W50 PHILLIPS. SAFTED NEW FILTER. CLEANED INJECTORS. RUN UP LGAK V GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL AND FOUND AIRWORTHY. IA 3686133 

DATE 19 _____	RECORDING TACH TIME	TODAYS 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.)

600 Hayden Circle, Hangar 7, Allentown, PA 18109
24/7 Phone: 570-386-3543



30 May 2018
N513R
Airframe
S/N D-6782

Tach: 4725.79

- 1.) Performed SID-97-3G, run up aircraft all fuel pressures normal per SID table 3 no defects noted at this time, while connecting gauges found vapor return line loose, removed gauges and tighten all lines as needed, leak check and operational check ok.
- 2.) Found fuel pressure transducer ground wire to engine block not properly crimp, crimp new connector as needed. Per standard practices.
- 3.) Returned Aircraft to service.

Authorized Signature: _____
Scott Richard Aircraft Maintenance LLC.

Michael Viccaro

AP3710023

Brandywine Bonanza Specialists llc.

West chester ,Pa (KQON)

N513R

Tach 4742.9 Tsmoh

01/14/2019


Annual inspection iaw continental oh manual and current fars. Compression test #1 78,#2 74,#3 72,#4 74,#5 74,#6 76. Boroscoped cylinders all ok at this time Checked mag timing. Cleaned spark plugs. Checked and lubed engine controls. checked exhaust system .drained oil cut filter, no metal found, serviced with 11qts aeroshell 80wt oil. run up leak check good. I certify this engine has been inspected iaw an annual inspection and found airworthy.

IA3686133

DATE	RECORDING TACH TIME	TODAYS 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.)
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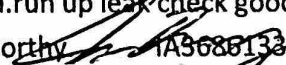
N513R Tach: 4763.8 Tsmoh 394.2 12/2/2019

Annual inspection iaw continental oh manual and current fars.Compression test #1 74,#2 75,#3 75,#4 72,#5 75,#6 73.Boroscoped cylinders all ok at this time.Drained oil,cut filter,no metal noted,serviced with11qts aeroshell 80wt oil. Cleaned spark plugs.Checked and lubed engine controls.checked exhaust system .Replaced induction air filter.run up leak check good.I certify this engine has been inspected iaw an annual inspection and found airworthy.

IA3686133 


N513R Tach: 4774.2 Tsmoh 404.6 1/08/2021

Annual inspection iaw continental oh manual and current fars.Compression test #1 68,#2 75,#3 75,#4 72,#5 75,#6 73.Boroscoped cylinders all ok at this time. Cleaned spark plugs.Checked and lubed engine controls.checked exhaust system .Replaced induction air filter.Drained oil cut filter,no metal found,saftied new filter,serviced with 10qts aeroshell 80wt oil and 1 pint of cam gaurd.run up leak check good.I certify this engine has been inspected iaw an annual inspection and found airworthy.

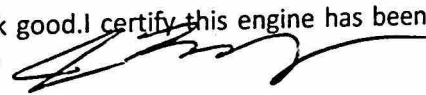
IA3686133 


N513R Tach: 4791.3 Tsmoh: 2/02/2022

Annual inspection iaw continental oh manual and current fars.Compression test #1 70,#2 72,#3 72,#4 74,#5 71,#6 71, no notice reading of A8 Boroscoped cylinders all ok at this time. Cleaned spark plugs.Checked and lubed engine controls.checked exhaust system.Drained oil cut filter,no metal found,saftied new filter,serviced with 10qts of aeroshell 40wt oil and one pint of cam gaurd.Replaced induction air filter.run up leak check good.I certify this engine has been inspected iaw an annual inspection and found airworthy.

IA3686133 

DATE 19	RECORDING TACH TIME	TODAYS 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.)
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N513R Tach4800.8 Tsmoh 431.2 5/27/2023
 engine annual, compressions #1 67, #2 68, #3 66, #4, 64 #5 67, #6 66, MA 44. Checked and lubed engine controls, checked exhaust. Cleaned plugs. Replaced induction air filter. run up mag check, leak check good. I certify this engine has been inspected in accordance with an annual inspection and found airworthy. IA3686133AP 

8-1-2024	4861.64	smoh 432.62	1991.32	Diff comp Test results; 1 ⁷⁰ / ₈₀ 2 ⁷⁰ / ₈₀ 3 ⁶⁰ / ₈₀ 4 ⁶⁵ / ₈₀ 5 ⁷⁴ / ₈₀ 6 ⁷⁵ / ₈₀ Changed oil + filter, open + insp filter, cleaned + checked fuel screens, added 10 qts Phillips 20/50 Checked mag points + timing - Adj Lt mag main + retard point gaps - retimed to ang. Cleaned + gapped plugs. Checked engine mounting structure Checked + lubed controls. Replaced both mufflers. Checked exht system. Replaced air filter element. Dressed prop blades, checked hub. AD's checked thru B.W. 2024-14
I certify that this inspection and was found to be in airworthy condition.	Eng / Prop 	has been	inspected in accordance with a(n) annual	inspection and was found to be in airworthy condition.
Date 8-1-2024	Joseph P. Filby IA, AP3518207	