

Cincinnati Avionics [REDACTED] Clermont County Airport Batavia, OH 45103 VYTR380B
 LOG ID# 3661 11-June-2020 WO# 10588
 N8132Q S/N 414-0032 CESSNA 414

Pg 1 / 1

Removed a King KT 76A transponder and installed an Avidyne AXP340 in its place. The AXP340 gets GPS position from the #2 GNS 430w. See FAA Form 337 for Return to Service. Weight change negligible.
 Performed inspections required by FAR's 91.411 and 91.413 in accordance with FAR 43 Appendixes E and F. No discrepancies noted.

Air Data Make: Aspen Model: EFD1000 S/N: 21782 to 35,000 ft.
 Enc/Altimeter Make: Aeroseonic Model: 01696 S/N: 0117570 to 35,000 ft.
 Transponder Make: Garmin Model: GTX 330ES S/N: 84101303
 Altimeter Make: un'ed Model: 5934PAD-3 S/N: 26716 to 35,000 ft.
 Encoder Make: Ack Model: A30.9 S/N: 155761 to 30,000 ft.
 Transponder Make: Avidyne Model: 807242 S/N: 007242 to 30,000 ft.

For Cincinnati Avionics

Cincinnati Avionics Altimeter Scale Correction Card											
N8132Q 11-Jun-2020											
Altitude	PFD	Stby	CP	Altitude	PFD	Stby	CP	Reading	Error	Reading	Error
-1000	5	-20	-20	10000	0	-15	-35				
0	5	-20	-20	12000	0	-15	-10				
500	5	-20	-20	14000	-5	-15	5				
1000	10	-10	-20	16000	-20	-20	15				
1500	10	-15	-5	18000	-25	-10	10				
2000	10	0	5	20000	-25	-25	10				
2500	10	5	-15	22000	-30	-40	15				
3000	10	10	-15	24000	-40	-20	30				
3500	0	-5	-20	26000	-40	-20	30				
4000	-5	0	-35	28000	-80	-45	20				
4500	0	5	-35	30000	-140	-140	20				

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS
8-27-20	6,377.4	396.2

N8132Q Cessna 414 - Inspected AIRCRAFT in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

- Cleaned aircraft, removed engine cowlings, cabin seats, cabin carpet, inspection panels, fairings, lubed and serviced airframe.
- Removed ELT battery and installed new E 04.0 battery.
- Complied with FAR 91.207D by test of ELT. Ops check normal. (ELT battery due August 2025)
- Complied with AD 00-01-16, Exhaust system corrosion, effective 02/15/00, by inspection and test in accordance with AD (b), (c), & (e) No defects noted at this time. Inspection due again in (b.) 50 hours or 30 days whichever occurs later, (c.) 12 months, (d.) ACTT 6785.9, (e.) 12 months, (f.) ACTT 6785.9, (g.) 11/19/2028 or ACTT 8785.9 whichever occurs first
- Complied with AD 16-17-08, Elevator tab control system, effective 09/12/16, by visual inspection, no defect noted and inspection due again in 110hrs or 12 months whichever occurs first.
- Jacked aircraft and performed 3 gear retraction/extension and 1 emergency extension test. Ops check normal.
- Removed aircraft from jacks.
- Cleaned and treated de-ice boots.
- Adjusted and secured wiring and hoses near and around right engine.
- Repaired/adjusted forward baggage door latch.
- Replaced miscellaneous screws and anchor nuts to inspection panels.
- Serviced O2 bottle with Aviators Breathing Oxygen. (Hydrostatic bottle test due Jan 2021)
- Reinstalled inspection panels, fairings, cabin carpet, and seats.
- Ground ran engine and aircraft systems. No fluid leaks found and ops check normal at this time.
- Reinstalled engine cowlings.

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

SCOTT BRADLEY AP [REDACTED]

-----END-----

SUB-TOTAL this page

TOTAL—Carry forward to next page

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	SMOH
8-27-20	6,377.4	396.2	1,377.5

N8132Q Cessna 414 - Inspected LEFT ENGINE in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

- Cleaned engine, ground ran engine to check for fluid leaks, magneto drop, and static RPM
- Drained engine oil and removed oil filter. Cut open filter to inspect. (No defect found)
- Serviced engine with Phillips 20W50 oil
- Installed new 48108 oil filter
- Removed top 6 sparkplugs for Compression test:
Cylinder test results: #1. 65/80 #2. 63/80 #3. 60/80 #4 44/80 #5 73/80 #6 20/80
- Removed #4 & #6 cylinders/pistons and installed Superior SA520C6-A22P Assy. I/A/W SL L05-09B, SB96-7D, and TSIO-520 Series Overhaul manual. (see 8130 from superior air parts)
- Removed remaining spark plugs, cleaned, gapped, and tested.
- Reinstalled all spark plugs, and attached all ignition leads.
- Checked and adjusted magneto timing. (500hr inspection due at Hobbs 510.1)
- Reinstalled induction filter. (Replacement due on or before Hobbs 804.7)
- Ground ran engine to check for fluid leaks, magneto drop, and static RPM. (no leaks found and engine ops check normal at this time)
- Rechecked compression on replaced cylinders. #4 74/80 & #6 76/80.

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

SCOTT BRADLEY AP

END

Page No. _____

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
------	--------------------------------	------------------------------------	---------------------------------------	---

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	SMOH
8-27-20	6,377.4	396.2	1,377.5

N8132Q Cessna 414 - Inspected RIGHT ENGINE in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

- Cleaned engine, ground ran engine to check for fluid leaks, magneto drop, and static RPM
- Drained engine oil and removed oil filter. Cut open filter to inspect. (No defect found)
- Serviced engine with Phillips 20W50 oil
- Installed new 48108 oil filter
- Removed top 6 sparkplugs for Compression test:
Cylinder test results: #1. 65/80 #2. 64/80 #3. 62/80 #4 63/80 #5 66/80 #6 64/80
- Removed remaining 6 spark plugs, cleaned, gapped, and tested.
- Reinstalled all spark plugs, and attached all ignition leads.
- Checked magneto timing. (500hr inspection due at Hobbs 510.1)
- Reinstalled induction filter. (Replacement due on or before Hobbs 804.7)
- Ground ran engine to check for fluid leaks, magneto drop, and static RPM. (no leaks found and engine ops check normal at this time)

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition at this time. _____

SCOTT BRADLEY AP _____

-----END-----

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	PSOH
8-27-20	6,377.4	396.2	369.6

N8132Q Cessna 414 - Inspected RIGHT PROPELLER in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

I certify that this PROPELLER was inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition at this time.

SCOTT BRADLEY A

END

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	PSOH
6-1-18	6,319.7	338.5	311.9

N8132Q Cessna 414 - Inspected LEFT PROPELLER in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

I certify that this PROPELLER was inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition at this time.

SCOTT BRADLEY A

END

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	PSOH
7-8-19	6,347.7	364.6	254.0

N8132Q

BRADLEY AVIATION LLC

DATE	AFTT	HOBBS	PSOH
8-27-20	6,377.4	396.2	369.6

N8132Q Cessna 414 - Inspected LEFT PROPELLER in accordance with an ANNUAL inspection referencing Cessna 414 maintenance manual and FAR 43 app D.

I certify that this PROPELLER was inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition at this time.

SCOTT BRADLEY A

END