

# AIRCRAFT MAINTENANCE RECORD

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(Titles are for reference, use entire sheet for maintenance entry)

Date	Hour/M	Tach/T	Total/T	Mechanic's Signature & Number
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FERVIS INTL LLC  
Aircraft Maintenance  
Airframe

N:421DP  
TACH: 2193.0

4/1/2016

Riggs nose landing gear door and retract mechanism, replace taxi light assy with serviceable unit, replaced left auxiliary tank fuel pump. Removed and replaced left alternator with overhaul unit. Removed and replaced the anti ice alcohol/fuel pump with new unit. Ops check ok. All work performed I.A.W Cessna 421B Maintenance Manual. C/W Service Bulletin MEB-27-02 by replacing the hardware securing the elevator trim push-pull rod. END

ELVIS E PENA A&P [REDACTED]

FERVIS INTERNATIONAL LLC  
Aircraft Maintenance  
*AIRFRAME*

N: 421DP  
TACH: 2214.9

8/19/2016

Removed and replaced left main tire and inner tube, replaced nose wheel tube with new unit, replaced taxi light with new LED type. Installed new auxiliary fuel pump in the right main fuel tank. END

ELVIS E PENA [REDACTED]

A&P [REDACTED]

N421DP  
TACH 2220.0

9/1/2016  
TT 5190

Routine 100hr inspection performed IAW Cessna 421 maintenance manual inspection checklist. Checked elt IAW 14 CFR Part 91.207 ops check good at this time, Replaced ELT battery next replacement due @ 09/2018. Serviced all wheel bearings and tire pressures. Serviced main struts with nitrogen. Serviced main battery. Replaced right brake linings. Replaced rudder bonding strap. Replaced vacuum filters. Performed gear swing and emergency extension, Ops check good. Replaced induction air filters, AD 84-26-02 Paper air filters next due @ 2720. AD 2000-1-16 Exhaust system inspection next due 9/2017. C/W AD2016-17-08 Elevator trim tab O.K. at this time next due TACH 2320 or 9/2017. I certify that this aircraft has been inspected IAW a 100hr inspection checklist and was found to be in an airworthy condition.

Elvis E Pena A&P [REDACTED]

N424DP  
TACH 2220.0

9/1/2016  
TT 5190

Routine Annual inspection performed IAW Cessna 421 maintenance manual inspection checklist. I certify that this aircraft has been inspected IAW an Annual inspection checklist and was found to be in an airworthy condition.

[REDACTED] Alexander Duran [REDACTED]

## PAGE#\_\_\_\_\_

Date \_\_\_\_\_

11/4/2017

Routine annual inspection performed I/A/W FAR PART 43 APENDIX D inspection check list. Check and inspected ELT I/A/W FAR 91 207 9d 1-4 ops check good ELT battery next replacement due 9/2018. Re packed all wheel bearings, replaced right main tire and tube, serviced main battery, checked all lights ops and checked good, C/W AD 2000-1-16 Exhaust system inspection C/W AD 2016-17-08 elevator trim tab, cycle landing gear 5 time no defects noted, performed emergency landing gear operation no defects noted, grease landing gear and lubed flight control cables and pulley, serviced main strut with nitrogen. I CERTIFIED THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. END

ELVIS E PENA A&P

11/27/2018

Routine annual inspection performed I/A/W FAR PART 43 APENDIX D inspection check list. Check and inspected ELT I/A/W FAR 91 207 9d 1-4 ops check good. Replaced ELT battery next replacement due 2/2021. Re packed all wheel bearings, replaced left main tire, serviced main battery, checked all lights ops and checked good, C/W AD 2000-1-16 Exhaust system inspection C/W AD 2016-17-08 elevator trim tab, cycle landing gear 5 time no defects noted, performed emergency landing gear operation no defects noted, grease landing gear and lubed flight control cables and pulley, serviced main strut with nitrogen. Removed and replaced Left Engine alternator with overhaul unit P/N AIV-9510 S/N L000166 Ops checked good. I CERTIFIED THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.END

ELVIS E PENA A&P

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## CENTERLINE AVIATION INC. L.I. MACARTHUR AIRPORT

N421DR CESSNA 421-B HOBBS- 2361.2 TTAF- 5331.2 MARCH 27 2020

Aircraft inspected I/A/W Cessna 100 hour/annual check list.

C/W FAR 91.207 ELT check & function all tests satisfactory. ELT battery due @ Feb. 2021

Aircraft placed on jacks landing gear checked in both normal & emergency extension modes all checks normal.

Replaced right main tire Goodyear Flight Custom Three 650X108Ply. & Michelin tube 650X10 Clean & repack right wheel bearings. Installed (owner supplied) Uavionix ADS-B tail beacon P/N UAV-1002183-001 S/N 2012766 & programed Ground test ok.

C/W AD-2000-1 exhaust system next due @ 2461

C/W AD-2016-17-08 Elevator trim tab next due @ 2461

All AD's checked through 2020-7

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

Signed \_\_\_\_\_

March 27, 2020

John Greenberg A&P \_\_\_\_\_

### ISLIP AVIONICS, INC.

FAA CRS# FJ1141K

YEAR: 2020 ALTIMETER TEST 2

#### ALTIMETER 1

MANUFACTURER: Aspen

PART NUMBER: 10735-0100L

SERIAL NUMBER: 157179

SCALE ERROR	FRICTION
ALT. (FT.) TOL.	ALT. (FT.) TOL.
-1000 -20 20	1000 40 70
0 0 20	2000 30 70
500 0 20	3000 40 70
1000 0 20	5000 40 70
1500 0 25	10000 40 80
2000 0 30	15000 60 90
3000 0 30	20000 50 100
4000 0 35	25000 60 140
6000 0 40	30000 110 140
8000 0 60	35000 1 160
10000 10 80	40000 1 180
12000 20 90	50000 1 250
14000 20 100	
16000 20 110	
18000 30 120	
20000 40 130	
22000 50 140	
26000 10 155	
30000 110 180	
35000 205	
40000 230	
45000 255	
50000 280	

#### BARO. SCALE ERROR

IN. HG.	ALT. DIF. (FT.) TOL.
28.10 -170	-1727 (-1702/-1752)
28.50 -130	-1340 (-1315/-1365)
29.00 -80	-863 (-838/-888)
29.50 -30	-392 (-367/-417)
29.92 0	0 (0)
30.50 +530	531 (506/556)
30.90 +890	893 (868/918)
30.99 +170	974 (949/999)

#### HYSTERESIS

ALT. DIF. (FT.) TOL.
50% 10 75
40% 0 75

#### CASE LEAK

100%/Minute MAX.
AFTER EFFECT
30' ALT. DIF. TOL.

REMARKS: Standard Alt visual  
imp OK. Adjusted Baro

#### MAINTENANCE RELEASE

THE ALTIMETERS DESCRIBED ABOVE WERE TESTED AND INSPECTED IAW FAR PART 43 APPENDIX E, PARAGRAPH B, AND ARE APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

THE ALTIMETERS DESCRIBED ABOVE WERE REPAIRED/INSPECTED/TESTED IAW MANUFACTURERS SPECIFICATIONS/INSTRUCTIONS AND APPLICABLE FAR'S AND ARE APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER 7600

AUTHORIZED SIGNATURE: \_\_\_\_\_

### ALTIMETER TEST REPORT

DATE: 4/1/2020

CUSTOMER: N421DR

#### ALTIMETER 2

☐ N/A

MANUFACTURER: Edson

PART NUMBER: 6711CCL4-036

SERIAL NUMBER: 7-30700-393

SCALE ERROR	FRICTION
ALT. (FT.) TOL.	ALT. (FT.) TOL.
-1000 -20 20	1000 60 70
0 0 20	2000 40 70
500 -20 20	3000 60 70
1000 0 20	5000 60 70
1500 +20 25	10000 70 80
2000 +25 30	15000 90 90
3000 +25 30	20000 90 100
4000 +35 35	25000 190 140
6000 +30 40	30000 110 140
8000 +35 40	35000 1 160
10000 +40 80	40000 1 180
12000 +50 90	50000 1 250
14000 +50 100	
16000 +40 110	
18000 +40 120	
20000 +20 130	
22000 +15 140	
26000 0 155	
30000 110 180	
35000 205	
40000 230	
45000 255	
50000 280	

#### BARO. SCALE ERROR

IN. HG.	ALT. DIF. (FT.) TOL.
28.10 -170	-1727 (-1702/-1752)
28.50 -130	-1340 (-1315/-1365)
29.00 -80	-863 (-838/-888)
29.50 -30	-392 (-367/-417)
29.92 0	0 (0)
30.50 +530	531 (506/556)
30.90 +890	893 (868/918)
30.99 +170	974 (949/999)

#### HYSTERESIS

ALT. DIF. (FT.) TOL.
50% 50 75
40% 0 75

#### CASE LEAK

100%/Minute MAX.
AFTER EFFECT
30' ALT. DIF. TOL.

REMARKS: Standard Alt visual  
imp OK. Adjusted Baro

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