



D&J Aviation Inc
2143 Aviation Way
Colorado Springs CO 80916

N424TW Left Engine S/N: 8176615-R Total Time 965.3 TSMO: 965.3 2/15/2019

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. A list of discrepancies discovered during this inspection has been provided to the aircraft owner.

James A. Schwab  A&P  IA



D&J Aviation Inc.
2143 Aviation Way
Colorado Springs CO 80916

N424TW Right Engine S/N: 267683-R Total Time 2007.3 TSMO: 783.9 2/15/2019

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. A list of discrepancies discovered during this inspection has been provided to the aircraft owner.

James A. Schwab  A&P  IA



D&J Aviation Inc.
2143 Aviation Way
Colorado Springs CO 80916

Cessna 421B N424TW S/N: 0816 Hobbs: 8023.8 Total:8339.4 2/15/2019

I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. A list of discrepancies discovered during this inspection has been provided to the aircraft owner.

James A. Schwab  A&P  IA



D&J Aviation Inc.
2143 Aviation Way
Colorado Springs CO 80916

Cessna 421B N424TW S/N: 0816 Hobbs: 8023.8 Total:8339.4 2/15/2019

I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. A list of discrepancies discovered during this inspection has been provided to the aircraft owner.

James A. Schwab  A&P  IA



FORTNER AirPro

16288C County Rd. D
Bryan, OH 43506

ENGINE TT:	965.3
ENGINE SMOH:	965.3
HOURLY METER:	8023.8
DATE:	02/22/2019

MAKE: TCM (LEFT) Model: GTSIO-520-H S/N:817615-R N# 424TW

Compression #1-60/80, #2- 60/80, #3- 70/80, #4-60/80, #5 -20/80, #6 -70/80. Master orifice reading 42 PSI. Borescope cylinders. Changed oil and filter. Serviced with Aeroshell 100 mineral oil. Checked filter for contaminates. Took oil samples Blackstone. Lubricated throttle shafts and cables as per Continental.

Cleaned, gapped, rotated spark plugs, Cleaned and sealed injector nozzles. Cleaned fuel metering screen.

Turbocharger: Inspected hot/cold turbines for FOD (Ok) and checked freedom of motion (ok).

Lubricated waste gate with mouse milk.

Removed and replaced #5 cylinder with an overhauled cylinder. Cylinder overhauled by Gibson Aviation part#639293 serial#109655. Cert#AV2R704K. Used all new cylinder nuts. Cylinder installed per Continental M-O manual.

Replaced induction air filter. Part#BA-13.

Sealed several crankcase seam bolts.

CW AD2007-05-15 eff. 04/16/2007 (supersedes 2005-20-04) (GTSIO-520 only) (TCM94-4G) starter adapter reoccurring Inspection.

CW para (h) 100 Hr./ annual starter drive backlash inspection per MSB94-4G part 2 (max .06") .02"/.03"/.03"/.03". (Inspection due again in 100 hours or 12 months @ hobbs 8123.8/ or Feb. 2020)

CW para (j) 400 Hour removal inspection per MSB94-4G part 3. Found adapter gear not ok. Installed EQ6642-FR /C0102219 per MSB94-4G part 5 new starter adapter and crank gear. Set engine to magneto timing as per MSB94-8D. (Due again in 400 hours @ hobbs 8423.8/ ACTT 8739.4)

" ALL WORK WAS DONE IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND STANDARDS"

Stephen J. Fortner, AP

A



FORTNER AirPro

16288C County Rd. D
Bryan, OH 43506

ENGINE TT:	2007.3
ENGINE SMOH:	783.9
HOURLY METER:	8023.8
DATE:	02/22/2019

MAKE: TCM (RIGHT) Model: GTSIO-520-H S/N: 267683-R N# 424TW

Compression #1-68/80, #2- 70/80, #3- 68/80, #4-68/80, #5 -70/80, #6 -70/80. Master orifice reading 42 PSI. Borescope cylinders. Changed oil and filter. Serviced with Aeroshell 15W/50 Oil. Checked filter for contaminates. Took oil samples Blackstone. Lubricated throttle shafts and cables as per Continental.

Cleaned, gapped and rotated spark plugs. Cleaned and sealed injector nozzles. Cleaned fuel metering screen.

Turbocharger: Inspected hot/cold turbines for FOD (Ok) and checked freedom of motion (ok).

Lubricated waste gate with mouse milk.

Removed fuel control and sent to Professional Aircraft Accessories for seal overhaul. Installed control after repair. Part #639625A9, serial #AO6297R. Certificate number PO5R554Y work order number 60984. Set up engine as per SID97-3E.

Replaced induction air filter. Part#BA-13.

Replace inner cooler o-ring. Part#MS9021-252.

Replaced turbo overboard pipe support clamp. Part#2266C450SS.

Replaced one right engine oil cooler hose clamp at throttle body. Part#2254-330-SH

Replaced right engine #2 cylinder intake gasket. Part#SA630824.

Adjusted right engine outboard elbow exhaust springs.

Removed right prop and cleaned prop shaft of rust, painted shaft, installed new prop o-ring. Part#A1633-3. Installed new prop nuts. Part# AN365-820 and torqued per Cessna 421B MM.

CW AD2007-05-15 eff. 04/16/2007 (supersedes 2005-20-04) (GTSIO-520 only) (TCM94-4G) starter adapter reoccurring Inspection.

CW para (h) 100 Hr./ annual starter drive backlash inspection per MSB94-4G part 2 (max .06") .04"/.04"/.03"/.04" (Inspection due again in 100 hours or 12 months @ hobbs 8123.8/ACTT 8439.4 or Feb. 2019)

CW para (j) 400 Hour removal inspection per MSB94-4G part 3. Found OK (Due again in 400 hours @ hobbs 8423.8/ ACTT 8739.4)

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Stephen J. Fortner, AP

A



FORTNER AirPro

16288C County Rd. D

Bryan, OH 43506

[Redacted]

PROP: TT	Unknown
PROP SMOH:	379.8
HOUR METER:	8023.8
DATE:	02/22/2019

MAKE: McCauley

MODEL: 3FF34C92

S/N: 738592 (Right PROP)

N# 424TW

lightly filed and painted face. This prop was removed from right engine for prop shaft work and reinstalled per Cessna421B Maintenance manual.

"ALL WORK WAS DONE IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND STANDARDS"

Stephen J. Fortner, AP [Redacted] A [Redacted]



FORTNER AirPro

16288C County Rd. D

Bryan, OH 43506

[Redacted]

PROP: TT	1145
PROP SMOH:	379.8
HOUR METER:	8023.8
DATE:	02/22/2019

MAKE: McCauley

MODEL: 3FF37C516

S/N: 003063 (LEFT PROP)

N# 424TW

lightly filed and painted face. Tightened deice lead clamp screws.

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Stephen J. Fortner, AP [Redacted] A [Redacted]



FORTNER AirPro

16288C County Rd. D

Bryan, OH 43506



AIRCRAFT TT:	8339.4
AIRCRAFT HM:	8023.8
DATE:	02/22/2019

MAKE: Cessna

MODEL: 421B

S/N: 0816

N# 424TW

Inspected and tested ELT. Required by FAR 91.207(d). Next battery due. DEC. 2020

Replaced vacuum relief valve filters. (ARB3-5-1)

Replaced fuel cap periphery O-rings. (MS29513-338). Cleaned fuel strainer screens. Lubed all hinges and pullies.

Performed pilot windshield weather seal improvement/ per 421B maintenance manual section 3-2S- 3-2V.

Cleaned out fuel flow gage lines at both engines.

Sealed up several leaks in the fuselage and cabin door with B2 sealant for pressurization, tightened several clamps and replaced several clamps.

Replaced rudder trim rod jack screw with a new one. Set rudder trim travel as per Cessna 421B service manual.

Adjusted flap up cable tension as per Cessna 421B maintenance manual.

Replaced right wing tip strobe assy. With a used unit. Part#30-0515-1, serial#2016M.

Repaired left top cowl crack around oil door. Replaced door spring part#S147. Installed rivets around louver.

Replaced the two outboard aux tank gaskets with new ones. Part#5026014-1.

Fabricated a new Left side baffle support.

Repair right engine top cowling supports and added extra rivets for better support.

Secured both engine, engine analyzer wires better with brackets and adel clamps.

Replaced back copilot's seat stop. Part#0812745-2.

CW MEB89-3 By installing seat strap supports.

Lubed and adjusted left engine alternate air control.

Secured copilot's headset jack.

Replaced Nose tire 600X6 6 Ply Good Year and tube 600X6; Also replaced nose wheel bearings. Part#LM29749. Replaced nose wheel races. Part#LM29710.

Removed existing Grimes tail/Nav. Head and remote power box part# 01-0770062-03 and installed Whelen #01-0771774V02, serial#02857. Meeting TSO-C96 class II and class II and TSO-30C combined tail position/anti-collision light. Replaced both ice light bulbs> Part# 1385.

Replaced the screws that were installed in the right outboard engine beam top strap with HL18PB5-2 hi-locs and HL70-5 collars.

Installed a used alternator bearing cover.

Replaced both left and right prop deice brushes with new part#RAB40189 FAA-PMA. Set clearance as per Cessna 421B MM.

Replaced heater inlet vent hose with scat 8 hose.

Replaced short heater plenum hose. Part#CM3211-18A22.0

Cleaned corrosion in the nose between the two firewall bulkheads and top nose gear tunnel, treated and primed and sprayed with cor-ban 35. Replaced the pilots heat crossover duct, part#5117257-1

Replaced inlet Vacuum filter. Part#AM103535IA. Next due 2024

Adjusted spring tension on several exhaust pieces on the left engine.

Resealed nose gear shimmy dampener.

Replaced lower nose gear drag brace bearings, part#Ms24461-5 and bolts AN5-14.

Replace left engine outboard front exhaust support clamp., part#U84-62-230.

Replaced left engine outboard riser assy. With new, part#K5155156-204, serial#258929.

Replaced lower cabin door snubber support at door rivets with hi-locs.

Tightened left outboard flap, both center scissor bolts.

Flipped over both main gear outboard drive rods.

Replaced left wing heat exchanger to fuselage hose, part#CM3213-10-2.4.

Tightened main gear trunnion bolts.

Replaced several rivets right lower wing.

Tightened several right flap center scissor bolts.

Replaced several rivets in the right main gear well.

Replaced right main drag brace grease zerks.

CW MEB00-4 Rudder hinge bearing inspection, Removed rudder support bracket and installed bracket with bearing seat flange to the bottom as per service bulletin.

Replaced elevator trim horn screws.

CW Cessna CAP 31-10-02 main gear bell crank pivot bolt. By replacing bolts. Part #NAS6204-26D. (Due again in 500 landings or 3 years.)

Bushed both left main gear upper and lower torque links, bushing Part#5141008-1.

CW MEB-02-12 Torque link washers, part#S1450-5H12-063, Installed AN175-21 bolts.

Replaced pilots left rudder pedal spring, part#0861711-3.

Adjusted elevator trim travel as per Cessna 421B maintenance manual.

Re-rigged landing gear positions, travels, tensions, lubricated and checked emergency gear extension per Cessna 421B MM.

Performed operational check of the landing gear as per Cessna 421C maintenance manual. Completed landing gear circuit check as per (MEB91-12). Cleaned and packed wheel bearings. Lubricated landing gear.

CW AD2004-25-16R1 eff. Date June 20, 2015. Kelly Aerospace heater fuel regulator by visual inspection. Found ok. **(Due again in 100 hours or 12 months) (@ Hobbs. 8073.8/ or Feb. 2020)**

CW AD2016-17-08 eff. Date Sept. 12,2016 Elevator trim hardware.

CW para(f)(1) Replaced hardware as per MEB-27-02 Revision 1 step 3-6 Dated June 15, 2016.

para (f)(2) 110HR./or annual inspection of hardware. **(Next due at hobbs 8133.8 or Dec. 2020).**

para (f)(3). Replacement due at any part removal event per MEB-27-02 Revision 1 Dated June 15, 2016. Step 4-6

CW AD200-01-16 Eff. Date Feb 15,2000. Exhaust system inspection.

CW para (b) exhaust visual inspection No defects found **(Due again in 50HR. @ Hobbs 8073.8).**

para (c) tail pipe off aircraft inspection. **(Inspection due on right in 12 months at Feb. 2020.)**

CW para (e) pressure test exhaust system. No damage found. **(Inspection due again in 12 calendar months Dec. 2020).**

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Stephen J. Fortner, AIP [REDACTED] IA [REDACTED]