Engine Log

Serial #

Date	T
BROUGHT F	

N92445* CESSNA 172M * S/N: 17261575
ENGINE * LYC * O-360-A4M * S/N: L-43827-36E
TACH: 0.0 * TTE: 0.0 * SMOH: N/A
APRIL 11, 2022

- INSTALLED NEW LYCOMING O-360-A4M, S/N L-43827-36E IAW PENN YAN AERO STC SA703GL AND PENN YAN AERO 180 SUPERHAWK FAA APPROVED INSTALLATION INSTRUCTIONS SA-703-GL, REV ONE, DATED JUNE 01, 1999. SEE THE INSTRUCTIONS CONTAINED IN THE AIRCRAFT RECORDS FOR DETAILS OF WORKED PERFORMED. ALL WORK COMPLETED IAW THE STC INSTRUCTIONS, AC 43.13-1 AND 2 AND MANUFACTURES APPROVED MANUALS AND INSTRUCTIONS. SEE FAA FORM 337 DATED THIS DATE.
- DRAINED PRESERVATION OIL. INSTALLED SAFE AIR OIL DRAIN VALVE P/N P5000. SERVICED ENGINE WITH 8 QTS OF AEROSHELL 100 STRAIGHT MINERAL OIL. RAN ENGINE, LEAK AND OPS CHECKED GOOD AT THIS TIME.

CHRIS EMERSON

A&P 3327248 IA

N92445* CESSNA 172M * S/N: 17261575
ENGINE * LYC * O-360-A4M * S/N: L-43827-36E
TACH: 0.0 * TTE: 0.0 * SMOH: N/A
APRIL 11, 2022

- COMPLIED WITH ENGINE ANNUAL/100 INSPECTION THIS DATE IN ACCORDANCE WITH FAR 43 APPENDIX D CHECKLIST.
- **AD RESEARCH C/W. NO NEW OR RECURRING AD'S DUE AT THIS TIME.**

I CERTIFY I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION PER FAR 43 APPENDIX D CHECKLIST AND FOUND IT TO BE IN AIRWORTHY CONDITION.

CHRIS EMERSON

A&P 3327248 IA

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Engine Log

Serial # _____

Date	Time (Hou
BROUGHT FORW	

N92445* CESSNA 172M * S/N: 17261575
ENGINE * LYC * O-360-A4M * S/N: L-43827-36E
TACH: 50.7 * TTE: 50.7 * SMOH: N/A
OCTOBER 20, 2022

- DRAINED ENGINE OIL. REMOVED OIL FILTER, CUT OPEN AND INSPECTED. NO DISCREPANCIES FOUND AT THIS TIME. INSTALLED NEW CHAMPION CH48111-1 OIL FILTER AND SAFETIED. SERVICED ENGINE WITH 7 QTS OF AEROSHELL 100W PLUS AVIATION OIL. RAN ENGINE, LEAK AND OPS CHECKED GOOD AT THIS TIME.

CHRIS EMERSON

A&P 3327248 IA

N92445* CESSNA 172M * S/N: 17261575
ENGINE * LYC * O-360-A4M * S/N: L-43827-36E
TACH: 52.2 * TTE: 52.2 * SMOH: N/A
OCTOBER 26, 2022

- INSTALLED EZ HEAT, INC ENGINE HEATER MODEL 441 TO BOTTOM OF OIL SUMP IAW EZ HEAT, INC INSTALLATION INSTRUCTIONS.
- REMOVED VACUUM PUMP. REMOVED AND REPLACED VACUUM PUMP DRIVE GARLOCK SEAL P/N 06A19956. REINSTALLED VACUUM PUMP. RAN ENGINE, LEAK AND OPS CHECK GOOD AT THIS TIME.

CHRIS EMERSON

A&P 3327248 IA

Page Total:

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870-368-4101 PH/FAX - 870-834-5248

Aircraft: N92445 * CESSNA 172M * 17261575
Date: April 11, 2022

Weight and Balance Report

	Weight	Arm	Moment
Previous Empty Weight:	**1418.3**	**38.20**	**54177.90**
Items Removed:	**Weight**	**Arm**	**Moment**
Tachometer	0.70	16.0	11.20
Tach Cable	0.30	3.0	0.90
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Total Items Removed:	**1.00**	**12.1**	**12.10**
Items Installed:	**Weight**	**Arm**	**Moment**
Penn Yan Superhawk Conversion	16.00	-30.5	-488.48
Garmin GI275	1.90	14.0	26.60
Garmin GEA24	0.70	11.5	8.05
			0.00
			0.00
			0.00
			0.00
			0.00
Total Items Installed:	**18.6**	**1.9**	**34.65**

New Aircraft Empty Weight: **1435.9**

New Empty Weight CG: **37.75**

New Moment: **54200.45**

****Maximum Take Off Weight:** **2550.0**

New Aircraft Usefull Load: **1114.1**

** 250 Lb Gross Weight Increase w/ Superhawk Conversion

Chris Emerson

AP 3327248 IA

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YEAR:	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

N92445* CESSNA 172M * S/N: 17261575
TACH: 52.2 * TTAF: 3858.3 * HOBBS: 4082.4
OCTOBER 26, 2022

- REMOVED LT AND RT MAIN TIRES. INSTALLED NEW MAIN TIRES MICHELIN 6.00-6/6/120 P/N 072-314-0, LT S/N 2164T00022, RT S/N 2165T00024 AND SERVICED WITH NITROGEN IAW CESSNA 172 MAINTENANCE MANUAL. LEAK CHECKED GOOD AT THIS TIME.
- INSTALLED EZ HEAT, INC ENGINE HEATER MODEL 441 TO BOTTOM OF OIL SUMP IAW EZ HEAT, INC INSTALLATION INSTRUCTIONS.
- REMOVED VACUUM PUMP. REMOVED AND REPLACED VACUUM PUMP DRIVE GARLOCK SEAL P/N 06A19956. REINSTALLED VACUUM PUMP. RAN ENGINE, LEAK AND OPS CHECK GOOD AT THIS TIME.

CHRIS EMERSON

A&P 3327248 IA

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N92445* CESSNA 172M * S/N: 17261575
TACH: 0.0 * TTAF: 3806.1 * HOBBS: 4029.8
APRIL 11, 2022

- COMPLIED WITH ANNUAL/100 HR INSPECTION THIS DATE IN ACCORDANCE WITH FAR 43 APPENDIX D CHECKLIST.
- COMPLIED WITH FAR 91.207d ELT INSPECTION AND OPS CHECK. NO DISCREPANCIES NOTED. ELT OPS CHECKED GOOD AT THIS TIME. **BATTERY EXPIRES: JAN 2023.**
- **C/W AD 76-07-12 R1** – BENDIX IGNITION SWITCHES NO DISCREPANCIES FOUND AT THIS TIME. **AD NEXT DUE: 3906.1 TTAF.**
- **C/W AD 2011-10-09:** TO PREVENT SEAT SLIPPAGE OR THE SEAT ROLLER HOUSING FROM DEPARTING THE SEAT RAIL. NO DISCREPANCIES FOUND AT THIS TIME. **AD NEXT DUE APR 2023 OR 3906.1 TTAF.**
- **C/W AD 2021-23-12** – RADIO ALTIMETER ANOMALIES THAT ARE UNDETECTED BY THE AUTOMATION OR PILOT. AD N/A – AIRCRAFT NOT TRANSPORT OR COMMUTER CATEGORY AIRCRAFT.
- **C/W AD 2022**-03-15 – GARMIN GI 275 ERRONEOUS FUEL QUANTITY INDICATION. AD N/A. INSTALLED GARMIN GI 275 DOES NOT HAVE FUEL QUANTITY INSTALLED OR CONFIGURED AT THIS TIME.
- **ALL APPLICABLE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA'S) C/W.**
- REMOVED AND REPLACED INSTRUMENT AIR FILTERS (1) P/N RA-D9-14-5 AND (1) ARB3-5-1 WITH NEW.
- LT AND RT FLAPS CHAFFING ON BOTTOM OF WING SKIN. CLEANED, PREPPED AND APPLIED CHAFF TAPE TO CHAFFING AREAS ON LT AND RT FLAPS.
- STOP DRILLED SMALL CRACKS ON WING AND TAIL FAIRINGS AS REQUIRED.

Pg 1 of 2

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I CERTIFY I HAVE INSPECTED THIS AIRCRAFT IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION PER FAR 43 APPENDIX D CHECKLIST AND FOUND IT TO BE IN AIRWORTHY CONDITION.

CHRIS EMERSON

A&P 3327248 IA

RG 2052

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N92445* CESSNA 172M * S/N: 17261575
TACH: 0.0 * TTAF: 3806.1 * HOBBS: 4029.8
APRIL 11, 2022

- THIS AIRCRAFT HAS BEEN MODIFIED BY REMOVING THE ORIGINAL ENGINE, LYCOMING O-320-E2D, S/N RL-37624-27A AND PROPELLER MCCAULEY 1C160/CTM7553, S/N 721630 AND INSTALLING A NEW LYCOMING O-360-A4M, S/N L-43827-36E WITH NEW LORD ENGINE MOUNTS AND PROPELLER SENSENICH 76EM8SPY-0-60, S/N 106421K IAW PENN YAN AERO STC SA703GL AND PENN YAN AERO 180 SUPERHAWK FAA APPROVED INSTALLATION INSTRUCTIONS SA-703-GL, REV ONE, DATED JUNE 01, 1999. SEE THE INSTRUCTIONS CONTAINED IN THE AIRCRAFT RECORDS FOR DETAILS OF WORKED PERFORMED. ALL WORK COMPLETED IAW THE STC INSTRUCTIONS, AC 43.13-1 AND 2 AND MANUFACTURES APPROVED MANUALS AND INSTRUCTIONS. SEE FAA FORM 337 DATED THIS DATE.
- INSTALLED NEW FUEL LINES FROM FIREWALL TO CARBURETOR, NEW SCAT HOSES, NEW VACUUM AND BREATHER HOSES.
- INSTALLED NEW HARTZELL SKY TECH STARTER P/N 149NL, S/N 4-1011052. OPS CHECKED GOOD AT THIS TIME.
- REMOVED AIRSPEED INDICATOR P/N EA-5171-0109-CES, S/N 1772. INSTALLED OVERHAULED AIRSPEED INDICATOR P/N EA-5171-0112-CES, S/N 18703 WITH NEW RANGE MARKINGS PER STC SA703GL.
- REMOVED PREVIOUSLY INSTALLED AUTO FUEL STC SA801GL & SE800GL AND AUTO FUEL PLACARDS. SEE FAA FORM 337 DATED THIS DATE.
- REMOVED BRACKETT AIR FILTER ASSEMBLY P/N BA5110. INSTALLED NEW CHALLENGER AIR FILTER ASSEMBLY P/N CP-1172 IAW STC SA01669CH. SEE FAA FORM 337 DATED THIS DATE.
- REMOVED AND REPLACED (4) AIR FILTER NUT PLATES P/N 51853-1 ON CARBURETOR AIR BOX WITH NEW.

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- STOP DRILLED CRACK ON RT FWD CYLINDER BAFFLE. FABRICATED AND INSTALLED PATCH FROM LIKE MATERIAL AND INSTALLED WITH SOLID RIVETS.
- REMOVED MIXTURE CABLE. INSTALLED NEW MCFARLANE FAA/PMA VERNIER MIXTURE CABLE P/N MC600-72 AND CUT TO LENGTH IAW MCFARLANE AVIATION PRODUCTS INSTALLATION INSTRUCTIONS. ADJUSTED CABLE FOR FULL MIXTURE CONTROL TRAVEL. OPS CHECKED GOOD AT THIS TIME.
- REMOVED CARB HEAT CABLE. INSTALLED NEW MCFARLANE FAA/PMA CARB HEAT CABLE P/N MCS1230-17 AND CUT TO LENGTH IAW MCFARLANE AVIATION PRODUCTS INSTALLATION INSTRUCTIONS. ADJUSTED CABLE FOR CONTROL TRAVEL. OPS CHECKED GOOD AT THIS TIME.
- INSTALLED SKYBOLT COWLING FASTENER KIT P/N SK203C172P4 IAW SKYBOLT AEROMOTIVE CORP STC SA3285SO AND SKYBOLT CESSNA 172 INSTALLATION DOCUMENT SK4172-42A.DOC, DATED FEB 20, 2022. SEE FAA FORM 337 DATED THIS DATE.
- REMOVED MECHANICAL TACH P/N C668020-0102 AND TACH CABLE. INSTALLED NEW GARMIN GI275 MULTI-FUNCTION DISPLAY SYSTEM P/N 011-0489-00, S/N 5MZ001766 AND GARMIN GEA24 ENGINE ADAPTER P/N 011-02848-01, S/N 2J2022060 AS AN ENGINE MONITORING SYSTEM IAW GARMIN STC SA02658SE AND GARMIN GI275 PART 23 AML STC INSTALLATION MANUAL 190-02246-10, REV 11, DATED OCT 2021. THE GI275 IS INTERFACED WITH THE EXISTING GARMIN GPS400W. POWER FOR THE GI275 IS PROVIDED VIA THE MAIN AIRCRAFT BUS VIA A 5 AMP CIRCUIT BREAKER LABELED GI275. POWER FOR THE GEA24 IS PROVIDED VIA THE MAIN AIRCRAFT BUS VIA A 5 AMP CIRCUIT BREAKER LABELED GEA24. **CONFIGURED RECORDING TIMES AS FOLLOWS: TACH TIME: 0.0, HOBBS TIME: 4029.8, FLT HRS: 3806.1.** SEE FAA FORM 337 DATED THIS DATE.

CHRIS EMERSON

A&P 3327248 IA

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YEAR:	RECORDING TACH	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

N92445* CESSNA 172M * S/N: 17261575
TACH: 3771.2 * TTAF: 3771.2 * HOBBS: 3991.5
MAY 24, 2021

- COMPLIED WITH ANNUAL/100 HR INSPECTION THIS DATE IN ACCORDANCE WITH FAR 43 APPENDIX D CHECKLIST.
- COMPLIED WITH FAR 91.207d ELT INSPECTION AND OPS CHECK. NO DISCREPANCIES NOTED. ELT OPS CHECKED GOOD AT THIS TIME. **BATTERY EXPIRES: JAN 2023.**
- **C/W AD 76-07-12 R1** – BENDIX IGNITION SWITCHES NO DISCREPANCIES FOUND AT THIS TIME. **AD NEXT DUE: 3871.2 TTAF.**
- **C/W AD 2011-10-09:** TO PREVENT SEAT SLIPPAGE OR THE SEAT ROLLER HOUSING FROM DEPARTING THE SEAT RAIL. NO DISCREPANCIES FOUND AT THIS TIME. **AD NEXT DUE MAY 2022 OR 3871.2 TTAF.**
- **ALL APPLICABLE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA'S) C/W.**
- REMOVED AND REPLACED ENGINE AIR FILTER P/N BA-6108 WITH NEW.
- REMOVED AND REPLACED INSTRUMENT AIR FILTERS (1) P/N AAD9-14-5 AND (1) ARB3-5-1 WITH NEW.
- REMOVED AND REPLACED LT AND RT BRAKE PADS (4) P/N 66-109 WITH NEW. BRAKES OPS CHECKED GOOD AT THIS TIME.

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continued on Next Page

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YEAR: _____ 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.)

- REMOVED AND REPLACED LT AND RT FLAP WEAR BUTTONS (28) P/N S1093-1 WITH NEW.
- REMOVED AND REPLACED RT ELEVATOR TIP P/N 28-09-R WITH NEW.
- REMOVED AND REPLACED BOTTOM RUDDER CAP P/N 28-12 WITH NEW.
- REMOVED FLIGHT INSTRUMENTS AND PILOTS INSTRUMENT PANEL. INSTALLED BACKLIGHT RINGS (2) P/N LW3014V, (5) LW3014 AND (1) P/N LW3014AA AND TIED LIGHTING WIRES TO EXISTING INSTRUMENT PANEL LIGHTING CIRCUIT. REINSTALLED FLIGHT INSTRUMENTS AND PILOTS INSTRUMENT PANEL. ALL LIGHTS OPS CHECK GOOD AT THIS TIME.

I CERTIFY I HAVE INSPECTED THIS AIRCRAFT IN ACCORDANCE WITH AN ANNUAL/100 HOUR INSPECTION PER FAR 43 APPENDIX D CHECKLIST AND FOUND IT TO BE IN AIRWORTHY CONDITION.

CHRIS EMERSON

A&P 3327248 IA

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Aircraft Structural Inspections LLC
FAA CRS #1NPR910B
Mountain View Ar 72560

Aircraft Make & Model _Cessna 172M_ Aircraft Registration _N92445_
Date _5/12/2021 Total Time 3772.2 Serial Number_17261575_

I Certify that the Altimeter, Altitude Reporter, Transponder, and Static Systems Tests Required by FAR 91.411 &91.413 IAW Part 43 Appendixes E & F have been performed. The Altimeter(s) has been tested to _20,000_Ft. All other information may be found in ASI WO#_4130_Inspector: _Mark Dietz #2673036_

2000	1990
3000	2990

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YEAR: ____ 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.)

AIR EMERSON SERVICE

N92445 * CESSNA 172M * S/N: 17261575
TACH: 3763.4 * HOBBS: 3983.9
FEBRUARY 24, 2021

- DISASSEMBLED NOSE STRUT . REMOVED AND REPLACED UPPER "O" RING P/N MS28775-225 AND LOWER "O" RING P/N MS28775-228 WITH NEW. REASSEMBLED NOSE STRUT AND SERVICED WITH MIL-5606 HYD FLUID AND NITROGEN IAW CESSNA MAINTENANCE MANUAL. NOSE STRUT LEAK AND OPS CHECKED GOOD AT THIS TIME.
- SERVICED MAIN AND NOSE TIRES WITH NITROGEN IAW CESSNA 172 MAINTENANCE MANUAL.

CHRIS EMERSON

A&P 3327248 IA

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YEAR: _____ 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.)

5/16/20 TAC 3658.3 Installed McFarlane flap roller kit PN# FLP-KT-2U.

Norm Edlund 3694909 IA

AIR EMERSON SERVICE

N92445 * CESSNA 172M * S/N: 17261575
TACH: 3750.9 * HOBBS: 3971.4
OCTOBER 30, 2020

- REMOVED NOSE STRUT, DISASSEMBLED AND CLEANED. INSTALLED NEW SEAL USING CESSNA STRUT SEAL KIT P/N SK172-1F AND REINSTALLED NOSE STRUT IAW CESSNA MAINTENANCE MANUAL. SERVICED STRUT WITH MIL-5606 HYD FLUID AND NITROGEN IAW CESSNA MAINTENANCE MANUAL. NOSE STRUT LEAK AND OPS CHECKED GOOD AT THIS TIME.

CHRIS EMERSON

A&P 3327248 IA

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YEAR: / 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.)
2-17-20	3653.6			

I certify that the transponder test and inspection required by FAR 91.413 has been performed and found to comply with Part 43, Appendix F.

Unit: GTX-345 S/N: 3E6420056
Date: 2-17-20 A/C Time: 3859.2 (H)
Reg # N N92445 W/O #: 20F089
Signature:
AEROTRONICS, INC. C.R.S. NH2R031L #11

4/18/20 Tac 3656.8 Total 3656.8 Aircraft has been serviced and inspected in accordance with FAR Part 43.13 appx D. ELT battery next replacement due 2023 function checks ok in accordance with FAR 91.207 D. Inspected wheels, tires and wheel bearings. Inspected skin, seat belts and antennas. Checked and lubed controls, pulleys, wheels, ect. Checked ok at this time. Checked brakes, lights, battery, ect. checked ok at this time. All applicable A.D.'s have been complied with at this time.
AD 2011-10-09 SEAT TRACKS c/w A.D. 74-07-12 MAG SWITCH c/w
Complete AD list with logs. Ground run check ok at this time.
I certify this aircraft has been inspected in accordance with an annual inspection and is found to be in airworthy condition and is approved for return to service.

Norm Edlund 3694909 IA

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YEAR: _____ 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.)
6/29/19	3614.3	Tach –		Removed and replaced baggage door seal with Aircraft Door Seals LLC Kit no. ADS-C14Ø2, Part no. ADS12ØØ-4Ø2 PPL#3642604
7-14-19	3612.9	Tach –		Removed rear seat. Using weight & Balance supplement dated 7/14/19 - PPL #3642604
12-15-19	3636.6	Tach –		Reinstalled rear seat. Using weight and Balance dated 2-27-18 PPL #3642604
1-7-20	3645.3	Tach		R&R Right & Left Fuel SUMP Drains with New P/N 52106-2 IAW AMM Leak Checks Good At this time. A&P 4167122

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YEAR:

DATE

4/8/19 Tac 3600.2 Total 3600.2 Aircraft has been serviced and inspected in accordance with FAR Part 43.13 appx D. ELT battery next replacement due ~~12/19~~ 1/23 function checks ok in accordance with FAR 91.207 D. Inspected wheels, tires and wheel bearings. Installed McFarlane right seat, seat rails. Inspected skin, seat belts and antennas. Checked and lubed controls, pulleys, wheels, ect. Checked ok at this time. Checked brakes, lights, battery, ect. checked ok at this time. All applicable A.D.'s have been complied with at this time.

A.D. 2011-10-09 seat tracks c/w A.D. 76-07-12 mag switch c/w

Complete AD list with logs. Ground run check ok at this time.

I certify this aircraft has been inspected in accordance with an annual inspection and is found to be in airworthy condition and is approved for return to service.

Norm Eden 3694909 IA

5-1-19	3604.2	Tach	- Installed RH and LH door post covers. Knots 2U part numbers	
			059-P07-1113-66 (RH) and 059-P0413484-12 (LH).	
			PPL #3642604	
			owner/operator	

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YEAR:

DATE

epair

3/28/2018 Replaced dorsal fairing.

Tach: 3548.4

Tyler Thompson 516080211 IA

6/30/2018 Installed new McFarlane seat rollers on both front seats.

Tach: 3561.5

Norm Edlund 3694909 IA

7-24-18	3573.4 Tach - (3772.3 Hobbs)	Installed new Concord RG-25XC sealed battery. Serial number 40942478	Owner/operator

PPL Lic # 3642604

.9/12/2018 Installed nose wheel strut kit.

Tach: 3586.4

Norm Edlund 3694909 IA

5

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YEAR: / 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.)

Aerotronics, Inc. 1651 Aviation Place Billings, MT 59105 C.R.S. NH2R031L

Reg. #: N92445 Model: Cessna 172M AC S/N: 17261575 Tach: 3545.6 W/O #: 18J006

Removed the existing King KT 78 transponder. Installed a Garmin GTX 345G mode S ADS-B compliant transponder with an external Garmin GA 35 GPS antenna as per STC SA01714WI. Interfaced the GTX 345G to the existing Narco AR 850 blind encoder via grey code connections for mode C with the GTX was interfaced to the existing PS Engineering PMA8000BT audio panel. Installed an ACK E-04 406MHZ ELT system as per the ACK installation manual p/n E04M rev 1.9 and acceptable practices of AC 43.13 1B & 2B. The ELT installation was evaluated and it was determined to be a minor alteration.

An electrical load analysis was completed as per AC 43.13 1B Chapter 2 section 208 and the installation was found to have no negative affect on the electrical load capability of the electrical system. The weight and balance and equipment list was updated. The systems were functionally checked as per the manufacturer's installation manuals and operations are normal. The work was completed as per the manufacturer's installation manuals and applicable parts of AC 43:13 1B & 2B. See FAA FMS inserted into the aircraft and the ICA and FAA 337 and documents placed into the permanent records for this aircraft.

The ELT was functionally checked as per the ACK installation manual and found to comply with FAR 91.207(d). The hex code for the ELT is 2DC88 AADB6 FFBFF with battery due date of January 25, 2023.

Signed: _____ Date: 2/27/18

I certify that the transponder test and inspection required by FAR 91.413 has been performed and found to comply with Part 43, Appendix F.

Unit: GTX-345G S/N: 3EG42ee56
Date: 2-28-18 A/C Time: 3545.6
Reg # N 92445 W/O #: 18Feeg
Signature: _____

AEROTRONICS, INC. C.R.S. NH2R031L #11

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YEAR: 2017 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks
6-30	3529.9	1417.1	38.20	882.9	Useful load does not include 15lbs engine oil @ -13.33 arm.

_2/13/2018_ Tac _3545.5_Total _3545.5_ Aircraft has been serviced and inspected in accordance with Cessna_ service and parts manual. ELT removed for repair. Installed new tires and tubes. Inspected wheels and packed wheel bearings. Inspected skin, seat belts and antennas. Checked and lubed controls, pulleys, wheels, ect. Checked ok at this time. Checked brakes, lights, battery, ect. checked ok at this time. Installed new alternator and alternator belt. Installed new fuel strainer plunger and O-ring kit. All applicable A.D.'s have been complied with at this time.
A.D. 2011-10-09 seat tracks c/w A.D. 76-07-12 mag switch c/w
Complete AD list with logs. Ground run check ok at this time.
I certify this aircraft has been inspected in accordance with an annual inspection and is found to be in airworthy condition and is approved for return to service.

Tyler Thompson 516080211 IA

2-27-18	3545.6	1418.29	38.24	881.71	Useful load does not includ 15lbs of engine oil @ -13.33 ARM

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