

Aircraft Record General Information

Manufacturer: Air Tractor, Inc. Model Number: AT-502B

Serial Number: 502B-2823 Registration Number: N502RL

Date of Manufacture: April 30, 2012

Engine installed:

Manufacturer: Pratt & Whitney Model Number: PT6A-34AG Serial Number: PCE-PH0761

Propeller installed:

Manufacturer: Hartzell Propeller, Inc. Model Number: HC-B3TN-3D/T10282NS+4

Hub Model: HC-B3TN-3D Serial Number: BUA32037

Blade Model: T10282NS+4 Serial Numbers: L21325, L17957, L17961

YEAR 20 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.)
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Air Tractor, Inc., 1524 Leland Snow Way, P.O. Box 485, Olney, Texas 76374
FAA Production Approval Holder PC 2SW

Date	Aircraft - Total Time	Aircraft - Flights	Engine - Starts
April 26, 2012	1.0 Hours	3	3

Air Tractor Model Number AT-502B, Serial Number 502B-2823, Registration Number N502RL, was test flown in accordance with Air Tractor, Inc. QCPM Section 7: Inspection and Testing, Production Flight Test Procedures and Flight Test Form 1008, Revision Orig., dated 11/1/11. The aircraft was found to operate satisfactory and is in condition for safe operation.

Test Pilot – Brent A. Colvin

Pilot Certificate Number

Date	Aircraft - Total Time	Aircraft - Flights	Engine - Starts
April 30, 2012	1.0 Hours	3	3

This aircraft complies with all applicable Air Tractor, Inc. Service Letters through Service Letter #303.
This aircraft complies with all applicable Airworthiness Directives through Biweekly AD 2012-08, published April 24, 2012.

Terry Wooldridge – Air Tractor, Inc.

Date	Aircraft - Total Time	Aircraft - Flights	Engine - Starts
April 30, 2012	1.0 Hours	3	3

I find that this aircraft meets the requirements for the certification requested and have issued a Special Airworthiness Certificate dated April 30, 2012. The next annual inspection is due April 30, 2013.

Rodger C. Holbert –

[illegible]

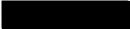
YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FARM AIR INC.

11220 E Bricker Hwy, Astoria, IL 61501 877-715-8476

Date: May31, 2013 N502RL S/N: 502B-2823 HOBBS: 248.8

Removed right wing due to wire strike, removed left wing to maintain aircraft balance. Prepped and shipped right wing to Air Tractor factory for repair. Received right wing from factory after repairs. For details of right wing repair see Air Tractor WO# 13-2652. Remated wings and reinstalled on aircraft, all work completed in reference to AT502 manuals and drawings. Ops checks and leak checks all good. Aircraft requires test flight prior to return to service.

James A. Rogers A&P 

FARM AIR INC.

11220 E Bricker Hwy, Astoria, IL 61501 877-715-8476

Date: 6-3, 2013 N502RL S/N: 502B-2823 HOBBS: 249.6

Completed test flight for right wing repair and reinstallation. Aircraft OK for return to service.



YEAR 20 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.)
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DATE June 3, 2013 **HOBBS TIME:** 249.0 **TOTAL TIME:** 249.0

TIME SINCE LAST INSPECTION: 388.0

N8523Z

MODEL: AT502B

S/N: 502B-2577

Performed 100 hour inspection IAW manufactures checklist. Serviced batterys. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear and tail spring Attach bolts. Cleaned and inspected firewall fuel filter. Replaced engine air filter. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129. Updated AD list:

AD 2009-11-05 Cracks in the engine mount NA s/n

AD 2008-26-01 Overturn skid plate kit PCW by factory

AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS

AD 2006-23-14 Rudder and vertical fin hinge attaching structure NA s/n

AD 2004-15-15 Aft Fuselage Upper Longeron NA s/n

AD 2003-07-04 Vertical Fin Front Spar Fittings NA s/n

AD 98-25-01 Flap Actuator Over travel Stop NA s/n

All work done in accordance with Air Tractor maintenance manual and AC 43.13-IB. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes

CERTIFICATE #A&P

YEAR 20 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.)
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Beacon Aviation of Michigan, Inc. 3121 Circle Drive West Lansing, MI 48906 VOOR755X
LOG ID# 6736 29-October-2013 WO# 6246 HOBBS 597.4
N502RL S/N 502B-2823 AIR TRACTOR INC AT-502B

Pg 1 / 1

Installed two SL40 Comm systems, GTX327 Transponder system, TK-705D FM Transceiver system, AA12S-001 Audio Selector system, N2412-12 Power Converter system, CI105 Transponder Antenna system, two CI121 VHF Comm Antenna systems, and CI292-4 FM Antenna system. All work was done IAW manufacturer's installation manuals, FAA AC 43.13-1B, and FAA AC 43.13-2B. Aircraft weight and balance computation change has been accomplished and the information entered into the aircraft's records. Replaced AK-350 S/N: 46368 Encoder with A-30 S/N: 129458 Altitude Digitizer. Tested the newly installed and disturbed systems to find that they operated correctly. Transponder GTX327 S/N: 83746043 was tested and complies with FAR 91.413 IAW FAR 43 App. F. Altitude reporting system was tested and complies with FAR 91.411 IAW FAR 43, App. E (C). This aircraft, airframe, aircraft engine, appliance identified above was inspected in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service.

[Redacted Signature]

Inspector/Authorized signature

Date

10-29-2013

for Beacon Aviation of Michigan, Inc. CRS # VOOR755X
3121 Circle Drive West - Capital City Airport
Lansing, Michigan 48906

YEAR 20 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.)
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DATE June 5, 2014 HOBBS TIME: 601.0 TOTAL TIME: 601.0

TIME SINCE LAST INSPECTION: 352.0

N502RL

MODEL: AT502B

S/N: 502B-2823

Performed 100 hour inspection IAW manufactures checklist. Serviced batteries. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear Attach bolts. Replaced tail spring Attach bolts. Replaced both main landing gear tires Cleaned and inspected firewall fuel filter. Replaced engine air filter. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129.

Updated AD list:

AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS

All work done in accordance with Air Tractor maintenance manual and AC 43.13-IB. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes

CERTIFICATE #A&P

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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21
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DATE: April 4, 2015 HOBBS TIME: 953.1 TOTAL TIME: 953.1
N502RL MODEL: AT502B S/N: 502B-2823

Removed Starter Generator for O/H. Reinstalled after O/H by Aircraft Systems, Inc.
Repair Station #KC2R947K. Form 8130 Added to aircraft records.

Ralph E. Lutes

CERTIFICATE #A&

DATE June 2, 2015 HOBBS TIME: 961.0 TOTAL TIME: 961.0
TIME SINCE LAST INSPECTION: 360.0
N502RL MODEL: AT502B S/N: 502B-2823

Performed 100 hour inspection IAW manufactures checklist. Serviced batteries. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear Attach bolts. Cleaned and inspected firewall fuel filter. Replaced engine air filter. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129. Updated AD list:

AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS
All work done in accordance with Air Tractor maintenance manual and AC 43.13-IB. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes

CERTIFICATE #A&P

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations	Number of entries.)
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20	DATE: July 30, 2015	HOBBS TIME: 1250.2	TOTAL TIME: 1250.2		
DAY	N502RL	MODEL: AT502B	S/N: 502B-2823		
	Install Vortex Generators on the wings per Micro AeroDynamics drawing package MA2073, Revision B, dated December 20, 2005, for Type Certificate A9SW airplanes and drawing package MA2074, Revision B, dated December 20, 2005, for Type Certificate A 17SW airplanes as well as Installation Manual MA2075, Revision C, dated December 20, 2005. for all airplanes, per STC#SA00403SE. NO Change to Weight and balance. END				

Phillip P. Ching

CERTIFICATE #A&P

	DATE: July 30, 2015	HOBBS TIME: 1250.2	TOTAL TIME: 1250.2		
	N502RL	MODEL: AT502B	S/N: 502B-2823		
	Removed Factory wingtips and installed AG-TIPS Winglets per Aero Spraying Service Inc. installation instruction DWG NO: 100-07, dated 4/30/97, revision: IR Applicable to all aircraft specified in STC: SA00490LA. Revised weight and balance data, then supplemented into appropriate aircraft logs and manuals.				

Ralph E. Lutes

CERTIFICATE #A&P

YEAR 20 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)
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DATE: August 5, 2015 HOBBS TIME: 1265.2 TOTAL TIME: 1265.2

N502RL MODEL: AT502B S/N: 502B-2823

Installed Single Point Fueling System by *Turbine Conversions LTD*. The installation was accomplished in accordance with the Installation Manual #18001, REV: B, Dated: August 20, 2002 provided in the STC: SA01323CH. Instructions for continued airworthiness were incorporated in to the appropriate aircraft maintenance manuals; said instructions were provided via the: "*Maintenance Manual for Single Point Fueling System modified in Accordance with STC: SA01323CH*" Revision: B, Dated: September 21, 2004. Additionally, Revised Weight and Balance data was supplemented.

Phillip P. Ching

CERTIFICATE #A&P

DATE: August 4, 2015 HOBBS TIME: 1265.2 TOTAL TIME: 1265.2

N502RL MODEL: AT502B S/N: 502B-2823

Removed *G.E* 4553 Halogen light elements and Installed *Whelen: Parmetheus Plus* Part# P46P2L L.E.D Landing light. The Alteration was deemed MINOR by reference to FAR 43 Appendix A, Paragraph (a). All work done IAW Aircraft manufactures maintenance manual and AC 43.13-1B. No Change to Weight & Balance. END.

Ralph E. Lutes

CERTIFICATE #A&P

YEAR 20 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.)
12-15-	15	Hobbs	1395.4	See WO# 6371 for details
I certify that the static system(s) were tested and inspected as per 91.411 IAW Part 43, Appendix E, paragraph A. CONRAD AERO 1200 FLIGHT LINE DR. THREE RIVERS, MI 49093 REPAIR STATION NUMBER C9NR680J Signature: [Redacted] Date: 12/15/15				I certify that the ATC Transponder(s) were tested and inspected as per 91.413 IAW Part 43, Appendix F Transponder #1 S/N 83746043 Transponder #2 S/N Automatic altitude reporting system tested and inspected as per 91.411 IAW Part 43, Appendix E, Paragraph C to 18,000 feet. CONRAD AERO 1200 FLIGHT LINE DR. THREE RIVERS, MI 49093 REPAIR STATION NUMBER C9NR680J Signature: [Redacted] Date: 12/15/15

DATE June 6, 2016 HOBBS TIME: 1404.0

TOTAL TIME: 1404.0

TIME SINCE LAST INSPECTION: 443.0

N502RL

MODEL: AT502B

S/N: 502B-2823

Performed 100 hour inspection IAW manufactures checklist. Replaced batteries. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear Attach bolts. Cleaned and inspected firewall fuel filter. Replaced engine air filter. Replaced Hopper vent hose. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129. Updated AD list:

AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS

All work done in accordance with Air Tractor maintenance manual. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes [Redacted]

CERTIFICATE #A& [Redacted]

YEAR
20
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.)

DATE 10 May, 2017 HOBBS TIME: 1641.0

TOTAL TIME: 1641.0

TIME SINCE LAST INSPECTION: 237.0

N502RL

MODEL: AT502B

S/N: 502B-2823

Performed 100 hour inspection IAW manufactures checklist. Serviced batteries. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear Attach bolts. Inspected firewall fuel filter. Replaced engine air filters. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129.

VFR Transponder/Encoder Due: Dec, 2017

Updated AD list: AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS

All work done in accordance with Air Tractor maintenance manual. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes

CERTIFICATE #A&P

DATE: March 3, 2018 HOBBS TIME: 1886.0

TOTAL TIME: 1886.0

N502RL

MODEL: AT502B

S/N: 502B-2823

Removed Starter Generator PN: 23048-028 for OH by Aircraft System Inc. Ref (WO 52654), reinstalled after overhaul and ops check- OK. All work performed IAW Manufacture Maintenance Manuals.

Phillip Ching

CERTIFICATE #A&P

YEAR
MO
DATE

RECORDING
TACH
TIME

03-06-18 N502RL
Hobbs Time: 1889.3
See work 6980

Registration of Inspections, Tests, Repairs and Alterations

(Rating and Certificate Number of
pages for other specific entries.)

I certify that the ATC Transponder(s) were tested
and inspected as per 91.413 IAW Part 43, Appendix F
Transponder #1 S/N 83746043
Transponder #2 S/N

Automatic altitude reporting system tested and
inspected as per 91.411 IAW Part 43, Appendix E,
Paragraph C to 15,000 feet.

CONRAD AERO
1200 FLIGHT LINE DR.
THREE RIVERS, MI 49093
REPAIR STATION NUMBER C9NR680J

Signature

Date

3/6/18

I certify that the static system(s) were tested
and inspected as per 91.411 IAW Part 43,
Appendix E, paragraph A.

CONRAD AERO
1200 FLIGHT LINE DR.
THREE RIVERS, MI 49093
REPAIR STATION NUMBER C9NR680J

Signature

Date

3/6/18

YEAR 20 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.)
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DATE: May 5, 2018
N502RL

HOBBS TIME: 1890.0
MODEL: AT502B

TOTAL TIME: 1890.0
S/N: 502B-2823

Removed tailwheel and spring assemblies, cleaned and painted parts. Reinstalled tail spring assembly with new attaching hardware, replaced wheel bearing assemblies (P/N 07100 & 07196) with new assemblies. Removed & Replaced Main wing rear spar bolts (P/N nas1308-23) IAW SL# 27, 38, 188 and AT MM pg.10. Removed Aircraft empennage assemblies- cleaned areas of surface skin corrosion and repainted. Reinstalled rudder and elevator (P/N 30400-1 & 30352-1,2) with new attach hardware and adjusted control surface travels, work done IAW Air Tractor MM pg.20-24. All work performed IAW Manufacture Maintenance Manuals.

Phillip Ching

CERTIFICATE #A&P

DATE 5 May, 2018 HOBBS TIME: 1890.0 TOTAL TIME: 1890.0
TIME SINCE LAST INSPECTION: 249.0
N502RL MODEL: AT502B S/N: 502B-2823

Performed 100 hour inspection IAW manufactures checklist. Serviced batteries. Cleaned, inspected and repacked main and tail wheel bearings. Checked torque on main landing gear Attach bolts. Inspected firewall fuel filter. Replaced engine air filters. The AAIR V23 system was functional tested with AMSAFE AIRBAG V23 system diagnostic tool per AMSAFE Document No. E509129.

VFR Transponder/Encoder Due: May 2020

Updated AD list: AD 2006-24-10 Wing spar lower cap CW by logbook entry, replacement due at 9800 hrs TIS
All work done in accordance with Air Tractor maintenance manual. END.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. END.

Ralph E. Lutes

CERTIFICATE #A&P