

DATE

19

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)



9200 B Aviation Blvd NW
Concord, NC 28027
United States

ENGINE

February 26, 2025

Telephone: 704-784-0297

Fax: 704-461-2602

Manufacturer: Lycoming Div Avco Corp Textron

TSN/TSO: 569 2/ N/A

ACTT/HOBBS: 5905.2/540.8

Part/Model number: O360A4M

Serial Number: L-20444-36A

Work Order No: JQF3456

Date: 02/26/2025

Squawk

3.1

Performed a Annual Inspection on this Engine IAW FAR Part 43 Appendix D in scope and detail. Removed, cut open, and inspected spin on oil filter. Drained oil, removed, inspected, and reinstalled sump screen. Installed new oil filter (PN: CH48110-1) and serviced with (8) quarts of Aeroshell 66 XC 20W-50 oil in crankcase. Compressions were as follows; 1)78, 2)78, 3)72, 4)78 out of 80 psi. Checked mag timing to ENG. Removed, cleaned, gaped, inspected, rotated and reinstalled spark plugs. Ground ran to check for leaks and proper operation. Ops and leak checked good. All work was done IAW Lycoming O360MM and Piper PA-28-140 AMM. Aircraft was determined to be in an UNAIROWORTHY condition and a list of discrepancies has been supplied to the owner/operator.

I certify that the above maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the applicable manufacturer's maintenance manual. Pertinent details of this inspection are on file at this agency under work order JQF3456. I certify this Engine has been inspected IAW with an Annual Inspection and is determined to be in an UNAIROWORTHY condition and a list of discrepancies has been supplied to the owner/operator. -END-

Benjamin Hoar

CRS VLAR883D

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

ENGINE ENTRY

"N" #: N140AC Make: PIPER Model: PA28-140 Serial #: 28-25001 Hobbs Time: 510.0 Total Time: 5874.2 Date: 1/12/2023
Eng TT: 4431 Eng TTSFO: 538

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW FAR 43 APPENDIX D. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. COMPRESSION FIGURES: #1 78/80, #2 76/80, #3 67/80, #4 75/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2 AND AC43.13-1B, APPLICABLE SECTION OF CH 3 SECTION 3.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 98288.



SIGNED BY: Wm Woy FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

ENGINE ENTRY

"N" #: N140AC Make: PIPER Model: PA28-140 Serial #: 28-25001 Hobbs Time: 530.2 Total Time: 5894.6 Date: 01/12/2024
Eng TT: 4451.4 Eng TTSFO: 558.4

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145 211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 3. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. REMOVED OIL SUCTION SCREEN, CLEANED AND RE-INSTALLED. COMPRESSION FIGURES: #1 78/80, #2 74/80, #3 72/80, #4 76/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2.
3. #1, #2 AND #4 ROCKER BOX COVERS LEAKING - REMOVED AND REPLACED ROCKER COVER GASKETS WITH NEW P/N 06B26669 IAW LYCOMING SERVICE TABLE OF LIMITS SSP1776-5. GROUND RAN, LEAK CHECKS GOOD.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 99119.



SIGNED BY: Wm Woy FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

DATE

19

ENGINE ENTRY

"N" #: N140AC Make: PIPER Model: A28-140 Serial #: 28-25001 Hobbs Time: 475.5 Total Time: 5839.9 Date: 10/27/2020
Eng TT: 4396.7 Eng TTSFO: 503.7

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 3 AND FAR 43 APPENDIX D. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. REMOVED OIL SUCTION SCREEN, CLEANED AND RE-INSTALLED. COMPRESSION FIGURES: #1-78/80, #2-79/80, #378/80 & #4-79/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2.
3. #2 AND #4 INTAKE TUBES SEEPING - REMOVED AND REPLACED #2 AND #4 INTAKE GASKETS WITH NEW P/N 71973 I/A/W LYCOMING SERVICE TABLE OF LIMITS SP-1776-5. GROUND RAN, LEAK CHECKS GOOD.
4. OIL SEEP FROM OIL FILLER TUBE BASE - REMOVED AND REPLACED OIL FILLER TUBE BASE GASKET WITH NEW P/N 72059 I/A/W LYCOMING SERVICE TABLE OF LIMITS SP-1776-5. GROUND RAN, LEAK CHECKS GOOD.
5. COMPLY WITH AD96-09-06 100HR / ANNUAL BRACKET AIR FILTER GASKET INSPECTION - RESEARCHED AND FOUND AFFECTED AIR FILTER NOT INSTALLED. NO FURTHER ACTION REQUIRED PER BRACKETT AIR FILTER DOCUMENT I-194.

*****MAINTENANCE RELEASE*****

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96745.



SIGNED BY: Wm Way FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

DATE

19

ENGINE ENTRY

"N" #: N140AC Make: PIPER Model: A28-140 Serial #: 28-25001 Hobbs Time: 498.7 Total Time: 5863.1 Date: 12/01/2021
Eng TT: 4419.9 Eng TTSFO: 526.9

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 3 AND FAR 43 APPENDIX D. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. REMOVED OIL SUCTION SCREEN, CLEANED AND RE-INSTALLED. COMPRESSION FIGURES: #1 76/80, #2 74/80, #3 78/80 & #4 77/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2.

*****MAINTENANCE RELEASE*****

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 97561.



SIGNED BY: Wm Way FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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ENGINE ENTRY

"N" #: N140AC Make: PIPER Model: A28-140 Serial #: 28-25001 Hobbs Time: 454.7 Total Time: 5819.1 Date: 09/25/2018
Eng TT: 4375.9 Eng TTSFO: 482.9

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 3 AND FAR 43 APPENDIX D. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. COMPRESSION FIGURES: #1-78/80, #2-79/80, #378/80 & #4-78/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2.
3. ALL VALVES COVER SEEPING - REMOVED AND REPLACED ALL VALVE COVER GASKETS WITH NEW P/N 75906 IAW LYCOMING SERVICE TABLE OF LIMITS SSP1776. GROUND RAN WITH NO LEAKS NOTED.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95241.



SIGNED BY: *[Signature]* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

DATE	ENGINE ENTRY						ions of ies.)
19	"N" #:	Make:	Model:	Serial #:	Hobbs Time	Total Time:	Date:

N140AC PIPER A28-140 28-25001 461.4 5825.8 09/13/2019
Eng TT: 4382.6 Eng TTSFO: 489.6

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 3 AND FAR 43 APPENDIX D. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48110-1. CUT OPEN OLD FILTER AND INSPECTED WITH NO METAL NOTED. COMPRESSION FIGURES: #1-78/80, #2-79/80, #378/80 & #4-79/80. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW PIPER PA28-140 SERVICE MANUAL, APPLICABLE SECTION OF SECTION 2.
3. #2 CYLINDER VALVE COVER SEEPING - REMOVED AND REPLACED #2 VALVE COVER GASKET WITH NEW GASKET IAW LYCOMING SERVICE TABLE OF LIMITS SSP1776. GROUND RAN WITH NO LEAKS NOTED.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96060.



SIGNED BY: *[Signature]* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

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MID-STATE AVIATION OF N.C. Inc

3200 Austin Chaney Rd.

Monroe, N.C.28110

03-12-2010
Total Time on Aircraft 5666.00 Tac time 330
Engine total time 4263.77 TTSFOH 342.57
Compression checked 80-1/78. 2/78. 3/76. 4/78 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. engine ok for service. 8ea. Quarts aeroshell 100 oil Installed. Cleaned plugs checked timing. changed air filter. Alternator belt adjusted to correct tension. Propeller leading edge on all blades has slight abrasion from ground dust. Adjusted & lubed all controls per factory specifications The Ad 76-07-12 R1 c/w Bendix SB # 583 checked ok for service. New list installed in back of both logs. Replaced muffler due to ground handling cracking stack at oval letting fumes into cockpit. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. Installed plates. panels. cowlings and all parts removed for inspections for service. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

Date: 03-12-2010

Charles Arant

Cert. A&P 1718879 IA

Donark Aviation

3200 Austin Chaney Rd.

Monroe, N.C.28110

02-11-2011
Total Time on Aircraft 5753.97 Tac time 389.5
Engine total time 4338.9 TTSFOH 417.97
Compression check #178/80 #2 78/80 #3 76/80 #4 74/80 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. Filled engine with 8 Quarts Aeroshell 15/50 oil Installed new oil filter. Cleaned plugs checked timing. changed air filter. Replaced alternator belt adjusted to correct tension. Replaced primer line. Replaced starter. Complied with AD 95-26-13 Oil cooler hoses by inspection hose replacement due 5853.97. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

02-11-2011

Mark Howell

A&P 2264792 IA

Engine**N140AC**

DATE	RECORDING TACH TIME	TODAYS 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.)
19				

Donark Aviation

3200 Austin Chaney Rd.

Monroe, N.C.28110

03-12-2012
Total Time on Aircraft 5778.07 Tac time 413.6
Engine total time 4363.0 TTSFOH 442.07
Compression check #176/80 #2 76/80 #3 74/80 #4 74/80 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. Filled engine with 8 Quarts Aeroshell 15/50 oil Installed new oil filter. Cleaned plugs checked timing. adjusted left mag timing. changed air filter. Complied with AD 95-26-13 Oil cooler hoses by inspection hose replacement due 2/2019 inspection due 5877.07. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

03-12-2012

Mark Howell

A&P 2264792 IA

Donark Aviation

3200 Austin Chaney Rd.

Monroe, N.C.28110

02-27-2013
Total Time on Aircraft 5800.37 Tac time 435.9
Engine total time 4385.3 TTSFOH 464.37
Compression check #172/80 #2 78/80 #3 78/80 #4 76/80 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. Filled engine with 8 Quarts Aeroshell 15W50. Installed new oil filter. Cleaned plugs checked timing. Changed air filter. Complied with AD 95-26-13 Oil cooler hoses by inspection hose replacement due 2/2019 inspection due 5900.7. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

02-27-2013

Mark Howell

A&P 2264792 IA

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C.28110

07-07-05

Airframe *Engine* *CA*

N140AC

Total Time on Aircraft 5611.67 Tac time 247.4 ~~2088.7~~
Engine total time 4197.07 TTSMOH 274.75

Compression checked 80-1/77, 2/78, 3/75, 4/73. Changed oil & oil filter. Inspected removed oil filter for foreign material non found. engine ok for service. 8ea. Quarts 100 aeroshell oil Installed. Cleaned plugs checked timing. changed air filter. Alternator belt adjusted to correct tension. Propeller leading edge on all blades has slight abrasion from ground dust. Lightly sanded and painted with flat black on aft side and gloss on front side. Adjusted & lubed all controls per factory specifications The Ad **76-07-12 R1** c/w Bendix SB # 583 checked ok for service. New list installed in back of both logs. Missing or broken hardware replaced. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections for service. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

Date 07-07-05

Charles Arant

Cert. A&P 1718879 IA

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C.28110

07-26-06

Engine

N140AC

Total Time on Aircraft 5666.57 Tac time 302.3
Engine total time 4251.97 TTSMOH 329.67

Compression checked 80-1/78, 2/76, 3/78, 4/76 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. engine ok for service. 8ea. Quarts 100 aeroshell oil Installed. Cleaned plugs checked timing. changed air filter. Alternator belt adjusted to correct tension. Propeller leading edge on all blades has slight abrasion from ground dust. Lightly sanded and painted with flat black on aft side and gloss on front side. Made repair to carburetor heat control at heat door arm to serviceable condition. Adjusted & lubed all controls per factory specifications The Ad **76-07-12 R1** c/w Bendix SB # 583 checked ok for service. New list installed in back of both logs. Missing or broken hardware replaced. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections for service. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

07-26-06

Charles Arant

Cert. A&P 1718879 IA

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C.28110

07-26-07

Engine

N140AC

Total Time on Aircraft 5679.27 Tac time 315
Engine total time 4264.67 TTSMOH 342.37

Compression checked 80-1/77, 2/74, 3/74, 4/72 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. engine ok for service. 8ea. Quarts aeroshell 15/50 oil Installed. Cleaned plugs checked timing. changed air filter. Alternator belt adjusted to correct tension. Propeller leading edge on all blades has slight abrasion from ground dust. Lightly sanded and painted with flat black on aft side and gloss on front side. Adjusted & lubed all controls per factory specifications The Ad **76-07-12 R1** c/w Bendix SB # 583 checked ok for service. New list installed in back of both logs. Replaced support bracket on left side of engine at cooler. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections for service. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

07-26-07

Charles Arant

Cert. A&P 1718879 IA

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C.28110

02-18-2009

Airframe

N140AC

Total Time on Aircraft 5666.00 Tac time 330
Engine total time 4263.77 TTSMOH 342.57

Compression checked 80-1/74, 2/70, 3/72, 4/72 Changed oil & oil filter. Inspected removed oil filter for foreign material none found. engine ok for service. 8ea. Quarts aeroshell 100 oil Installed. Cleaned plugs checked timing. changed air filter. Alternator belt adjusted to correct tension. Propeller leading edge on all blades has slight abrasion from ground dust. Lightly sanded and painted with flat black on aft side and gloss on front side. Adjusted & lubed all controls per factory specifications The Ad **76-07-12 R1** c/w Bendix SB # 583 checked ok for service. New list installed in back of both logs. Replaced support bracket on left side of engine at cooler. Engine washed to remove excess oil and foreign material repainted as needed. Engine run up completed to check proper operations of all systems. No leaks noted and all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections for service. I certify that this engine and propeller has been inspected in accordance with annual inspection and was determined to be in airworthy condition

02-18-2009

Charles Arant

Cert. A&P 1718879 IA

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C. 28110

N140AC

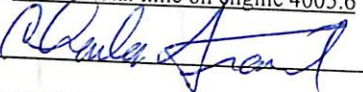
July 24, 2002 Tac time 56.4 TTSTFOH 84.87 Total time 4005.6

Compression check 80-1/76, 2/78.3/77, 4/76, Cleaned plugs, replace one defective plug with new plug, timing checked, changed air filter, lubed all controls per factory specs. Replace missing hardware. Washed engine to remove excess oil. Completed engine run up for proper operations of all systems, no leaks noted, all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections. Ad list installed in back of log. I certify that this engine and prop. Has been inspected in accordance with annual inspection and was determined to be in airworthy condition

Tach time 56.4 TTSTFOH 84.87 Total time on engine 4005.6

Date July 24, 2002

Cert. A&P 1718879 IA #



MID-STATE AVIATION of N.C. Inc. N140AC

3200 Austin Chaney Rd.
Monroe, NC 28110

10-31-02

Tac time 100.1

Changed Oil and oil filter. Installed 10 qts. Aeroshell 15/50 multi-grade. Cut open filter, No foreign objects found. Ran engine, leak check ok, returned to service.

Charles Arant



A&P 1718879

ests, Repairs and Alterations

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

MID-STATE AVIATION OF N.C. Inc
3200 Austin Chaney Rd.
Monroe, N.C. 28110

Engine

07-12-03

N140AC Alterations

Tac time 176 Number of
specific entries.)

TTSTFOH 204.6 A/C Total time 5541.5

Compression check 80-1/78, 2/78.3/76, 4/76. Cleaned plugs, timing checked, changed air filter, lubed all controls per factory specs. Replace missing hardware. Replaced all rocker cover gaskets. Installed new alternator belt and retorqued propeller bolts to proper torque and saftied. Repaired baffling on #4 cylinder to oil cooler. Alternator mounting bracket bolts loose, retorqued and saftied. Washed engine to remove excess oil. Completed engine run up for proper operations of all systems, no leaks noted, all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections. Ad's 74-06-02 inspected per ad ok for service. 95-26-13 hoses were new 204.6 hrs and 23 months old. 96-09-06 inspected per brackett Document I-194, new gasket installed. Ad list installed in back of log. I certify that this engine and prop. Has been inspected in accordance with annual inspection and was determined to be in airworthy condition

Date: 07-12-03

Charles Arant



Cert# A&P 1718879 IA

MID-AVIATION OF N.C. Inc

07-02-04

Engine

N140AC

3200 Austin Chaney Rd.

Monroe, N.C. 28110

Tac time

216

Total Time on Aircraft

5581.5

TTENG 4136.7 ttsfoh 244.6

Engine items and compression check 80-1/76, 2/78.3/75, 4/77. Cleaned plugs, timing checked, changed air filter, lubed all controls per factory specs. Changed oil and filter installed eight quarts of aeroshell 80 weight at owner request. Replace missing hardware. All rocker cover gaskets retorqued. Baffling on #3 cylinder to oil cooler repaired to serviceable condition. Engine washed to remove excess oil. Completed engine run up for proper operations of all systems, no leaks noted, all systems checked ok. Installed plates, panels, cowling and all parts removed for inspections. Ad's 74-06-02 inspected per ad ok for service. I certify that this airframe, engine and prop. Has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Date 07-02-04

Charles Arant



Cert. A&P 1718879 IA

DATE 8-8-01	RECORDING TACH TIME	TODAYS 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.)
8-8-01	5336.0		3921.2	Installed This Engine Per STC SA793CE with 845 Mineral oil Installed & No. Hoses Oil Cool Serviced By American Oil Cater Service Install Per STC Holder With New SASSI Rings Test Run Engine OK For Service compression check 80-1/78 2/77 3/78 4/ 5/ 6/ changed oil & filter, cleaned plugs, timing checked, checked and/or changed air filter, lubed all controls per factory specs washed engine to remove excess oil. completed engine run up for proper operation of systems. no leaks noted. found OK for service. installed plates, panels, cowling. aircraft returned to service compression check 80-1/78 2/77 3/79 4/78 5/ x 6/x changed oil & filter, cleaned plugs, timing checked, checked and/or changed air filter, lubed all controls per factory specs washed engine to remove excess oil. completed engine run up for proper operation of systems. no leaks noted. found OK for service. installed plates, panels, cowling. aircraft returned to service Tach time 5336 TTSMOH - 00 TT 3921.2 Date 8-8-01 Cert. AI 1718879 # Charles A Mid-State Aviation of NC Inc 3200 Austin Chaney Rd Monroe NC 28110

DATE 8-15-01	RECORDING TACH TIME	TODAYS 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.)
8-15-01	5340.47		3925.67	Changed oil & Filter Installed 845 Mineral oil, opened old Filter No Metal Locked good Completed 5 Hour Inspection All Parts checked OK For Service Charles A Mid-State Aviation of NC Inc 3200 Austin Chaney Rd Monroe NC 28110
11-26-01	5364.		3949.40	changed oil & Filter Installed 845-50 No Leaks Noted Charles A Mid-State Aviation of NC Inc 3200 Austin Chaney Rd Monroe NC 28110
5-18-02	49.8		49.8	changed oil & Filter Added 845-50 Aircraft Run Engine leak check OK Charles A Mid-State Aviation of NC Inc 3200 Austin Chaney Rd Monroe NC 28110
7-24-02				

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

TLRED-489
(Rev. 10-96)

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: O-360-A4M
Serial #: L-20444-36A
Total Time: 3921.2
Work Order #: 146003
Date Completed: 2/20/01

Authorized Signature Margie Dugan
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

Printed in Canada



PNR ASA-SE-2



9 781560 270515

Engine Record General Information

Manufacturer Lycoming
Serial L-20444-36A

Model O-360-A4M
Type Certificate _____

This engine is currently installed in aircraft: _____

Minimum Octane Fuel 100LL

Oil Grade Summer 15-50 Winter 15-50

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours