

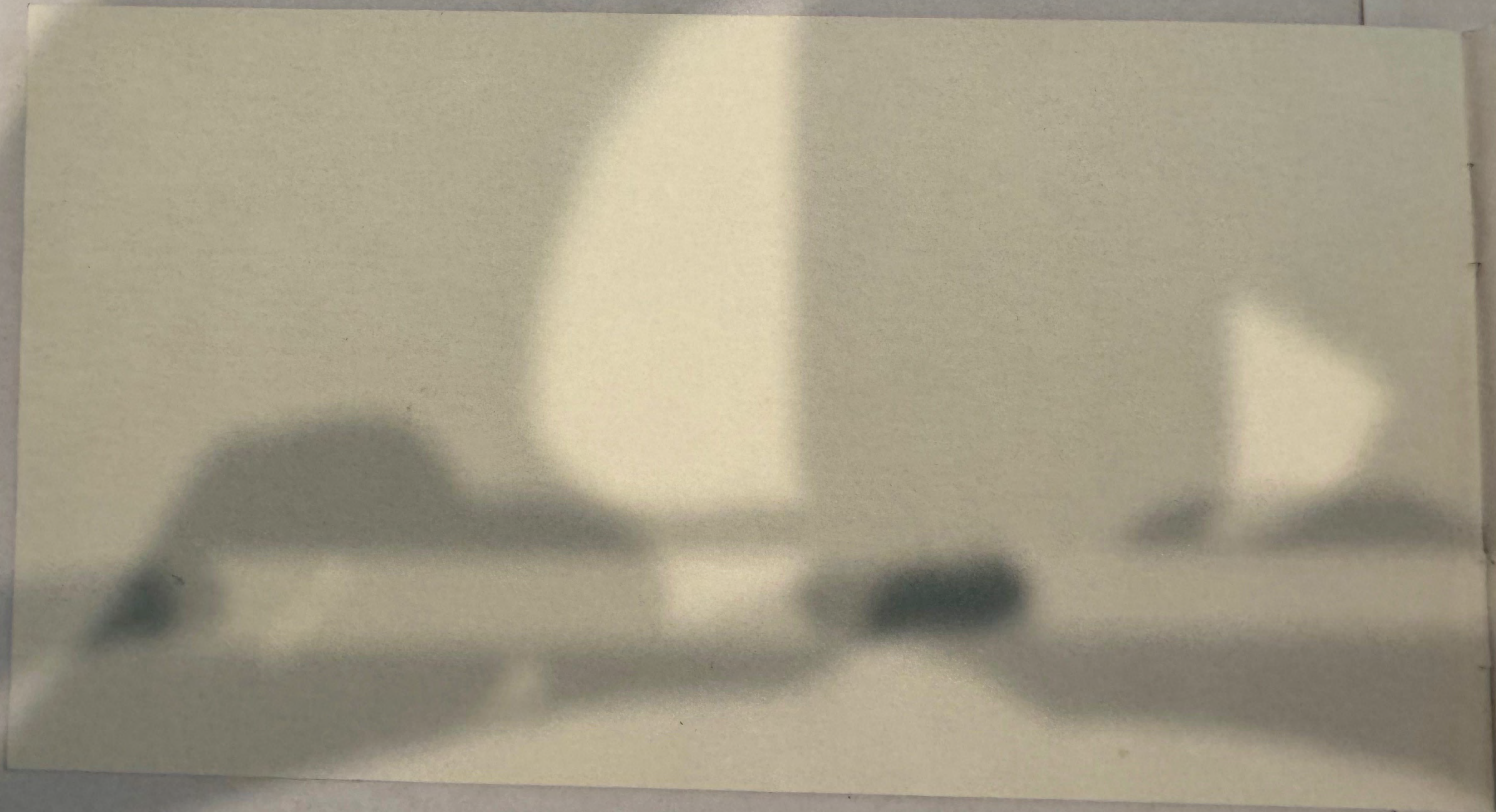
Log #2

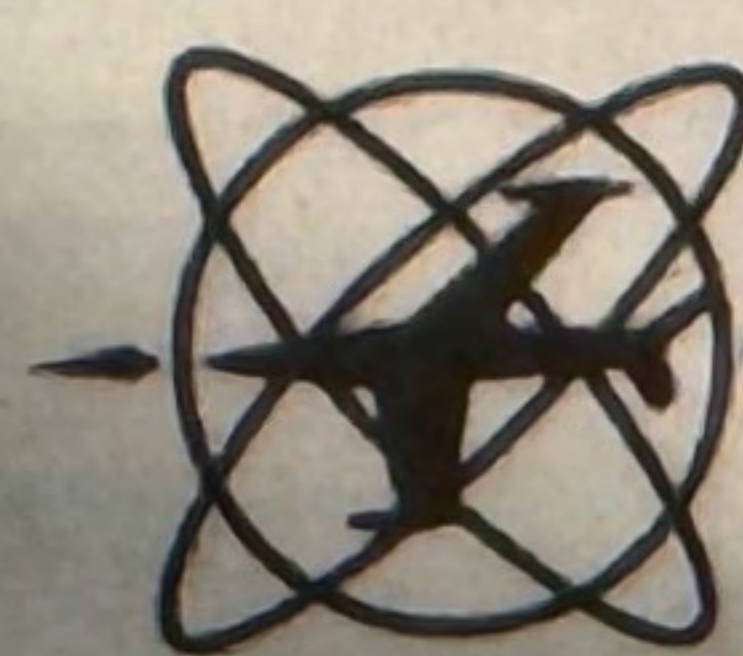


The Standard

ENGINE LOG

ASA-SE-1





The Standard

ENGINE LOG

ASA-SE-1

The Standard Engine Log
SE-1

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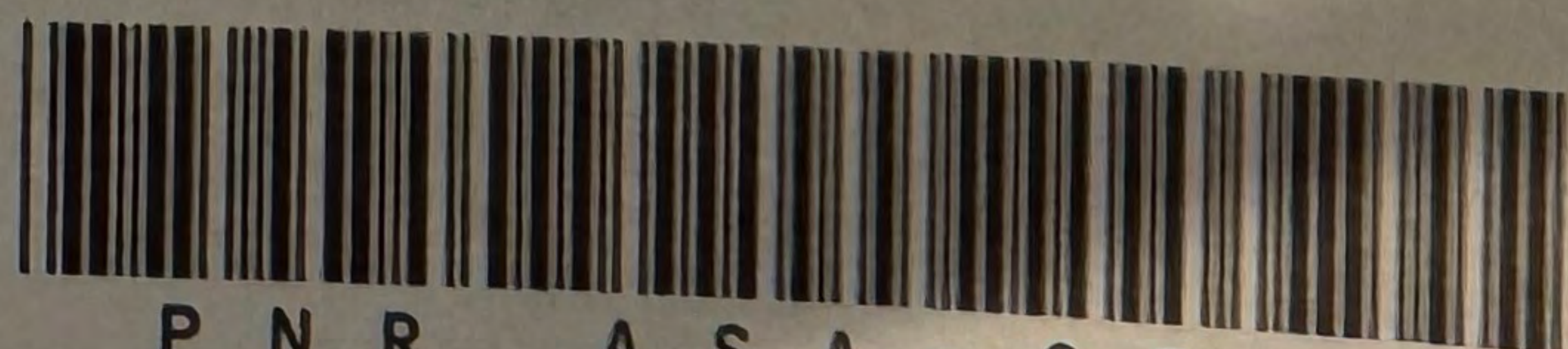
ASA-SE-1

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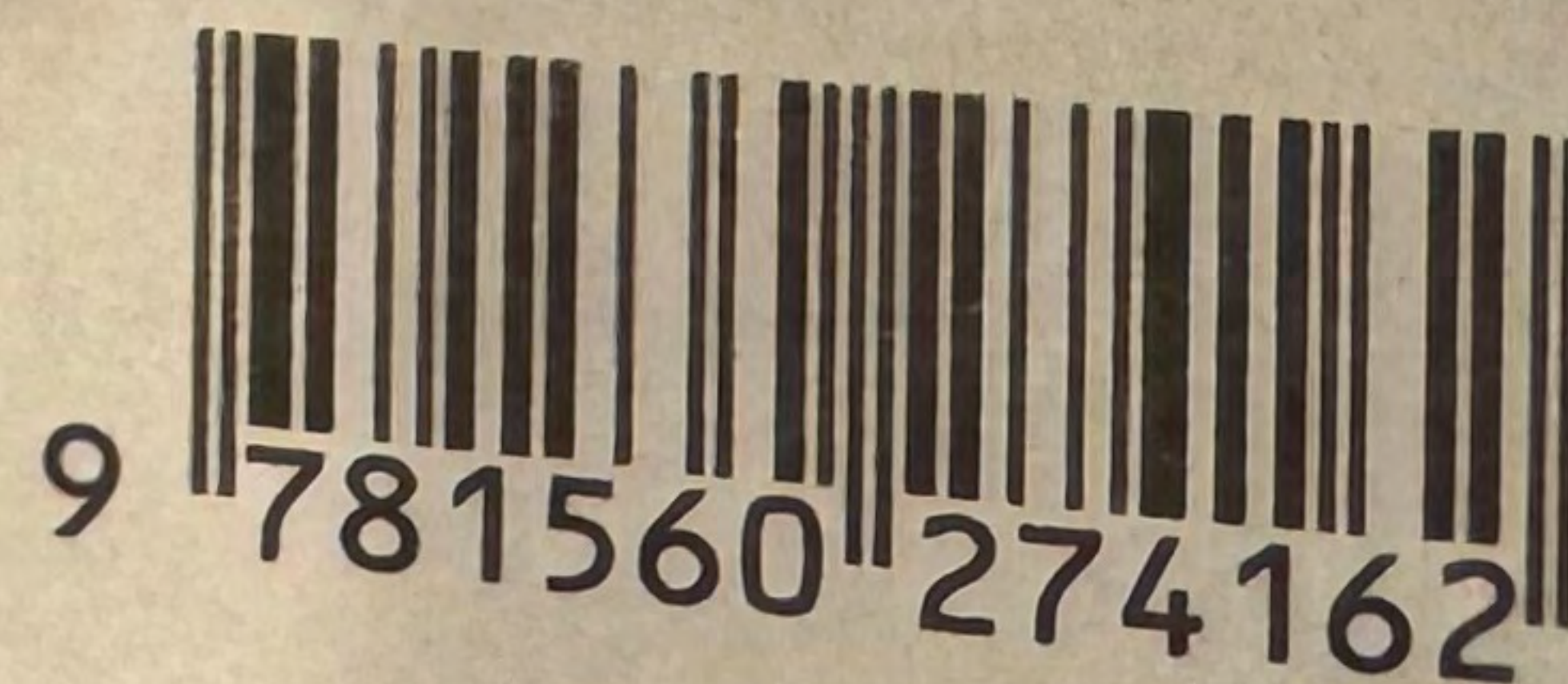
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P N R A S A - S E - 1



9 781560 274162

Engine Record General Information

Manufacturer Lycoming Model IO-360-A1B6D

Serial L-14040-51A Type Certificate _____

This engine is currently installed in aircraft C177R6 3/20736 N29LK

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____


Spark Plug Gap _____

Manufacturer recommended overhaul at 2000 hours

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 Facility. (See back pages for other specific entries.)

DATE _____

 THE OHIO STATE UNIVERSITY
 AIRPORT
 2160 West Case road
 Columbus, Ohio 43235-2526
 CRS# IKBR028F

Date: 03-13-18 Work Order#: AMO8255 N#: N29LK
 Aircraft Make/Model: Cessna / 177RG Serial#: 177RG0736
 Engine Make/Model: Lyc / IO-360-A1B6D Serial#: L-14040-51A
 Tach time: 1492.9 Engine TSMOH: New Engine TT: 1492.9

Engine Log:

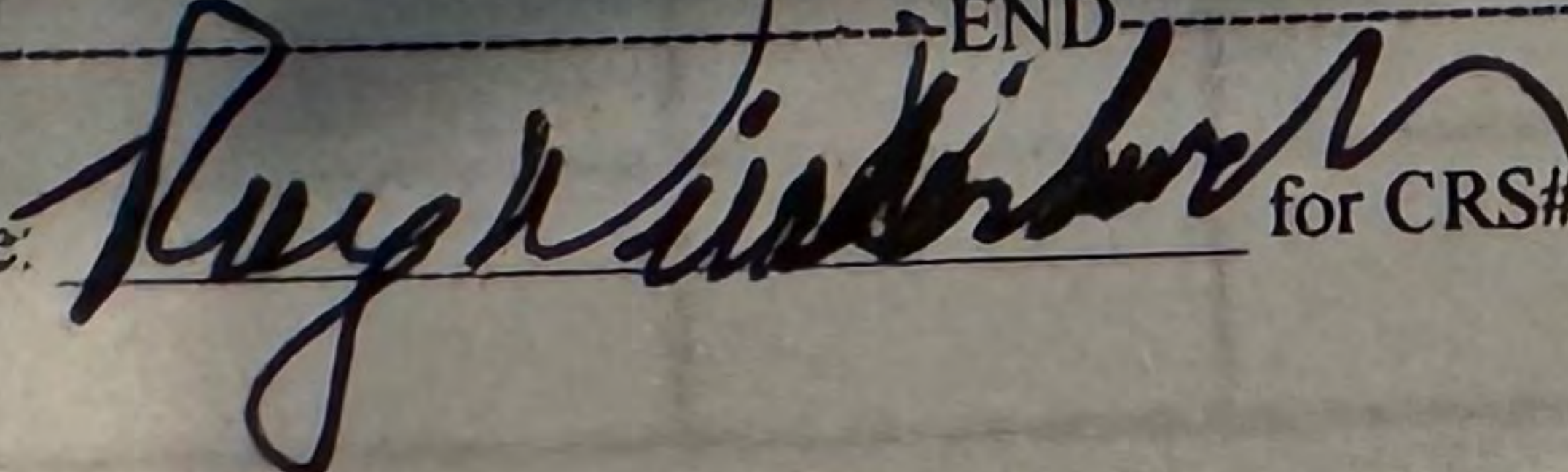
1. Complied with an Engine 100 Hour Inspection using Cessna 177RG AMM chap. 2 Inspection Guide Revision 8 dated 4/1/2012 and other current data.
2. Compression: 1) 70/80 2) 78/80 3) 74/80 4) 74/80.
3. Installed new Tempest URHM38E sparkplug (8130-3) in #1 lwr. position.
4. Changed oil & filter, no metal in old filter. Serviced with 7 qts. W100 Aeroshell & 1 pint Camguard. Took Blackstone oil sample.
5. Complied with AD 2015-19-07 "Lycoming External Fuel Injector line Clamping". Next due @ 1602.9.
6. AD 17-16-11 "Connecting Rod Assys. Integrity" not currently applicable to this engine by build date & not having suspect upper connecting rod bushings installed.

I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru 2018-05.

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

END

Signature:  for CRS# IKBR028F

YEAR:

DATE

AIRNET II, LLC

3041 George Page Jr Road Columbus, Oh. 43217

December 10, 2018 Cessna 177RG S/N 177RG0736 N29LK Tach 1510.7 WO 001794

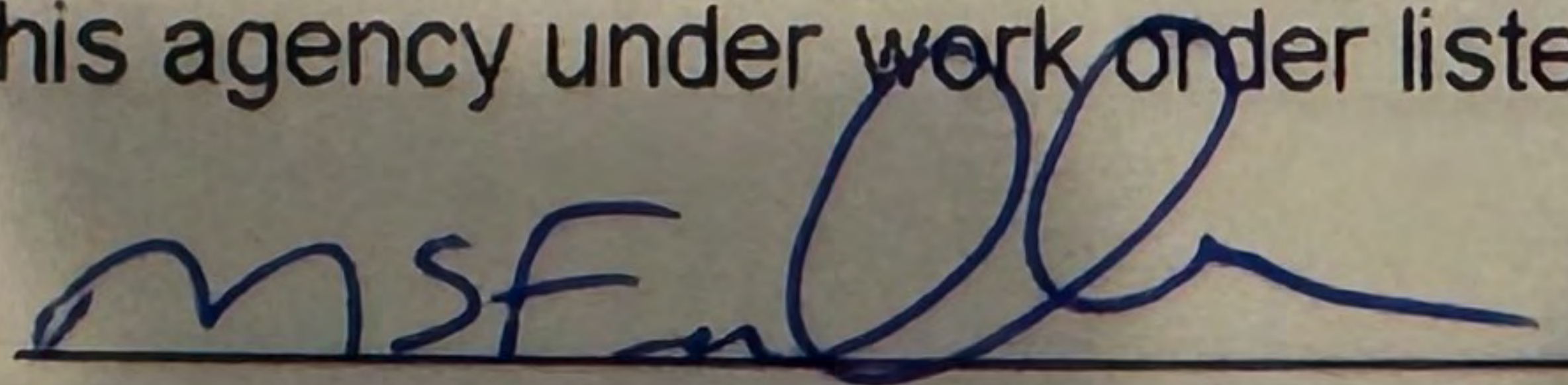
Repair

ENGINE

1. Drained oil and took oil sample. Sample provided to owner. Removed oil filter and inspected. No defects noted. Installed and safety wired new oil filter P/N CH48103-1. Serviced with 8 quarts Phillips XC20/50 oil and 13 oz. of camgaurd. Ground run operational and leak checks satisfactory.


The aircraft Identified herein was repaired and inspected in accordance with current Federal Aviation Regulations, and was determined to be airworthy for return to Service. Pertinent details of the repair are on file at this agency under work order listed above.

AirNet II, LLC BSYR610C Mark S. Fullen



YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repairer (see back pages for other specific entries.)

DA  THE OHIO STATE UNIVERSITY
AIRPORT
2160 West Case road
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 03-25-19 Work Order#: AMO9037 N#: N29LK
Aircraft Make/Model: Cessna / 177RG Serial#: 177RG0736
Engine Make/Model: Lyc / IO-360-A1B6D Serial#: L-14040-51A
Tach time: 1520.0 Engine TSMOH: New Engine TT: 1520.0

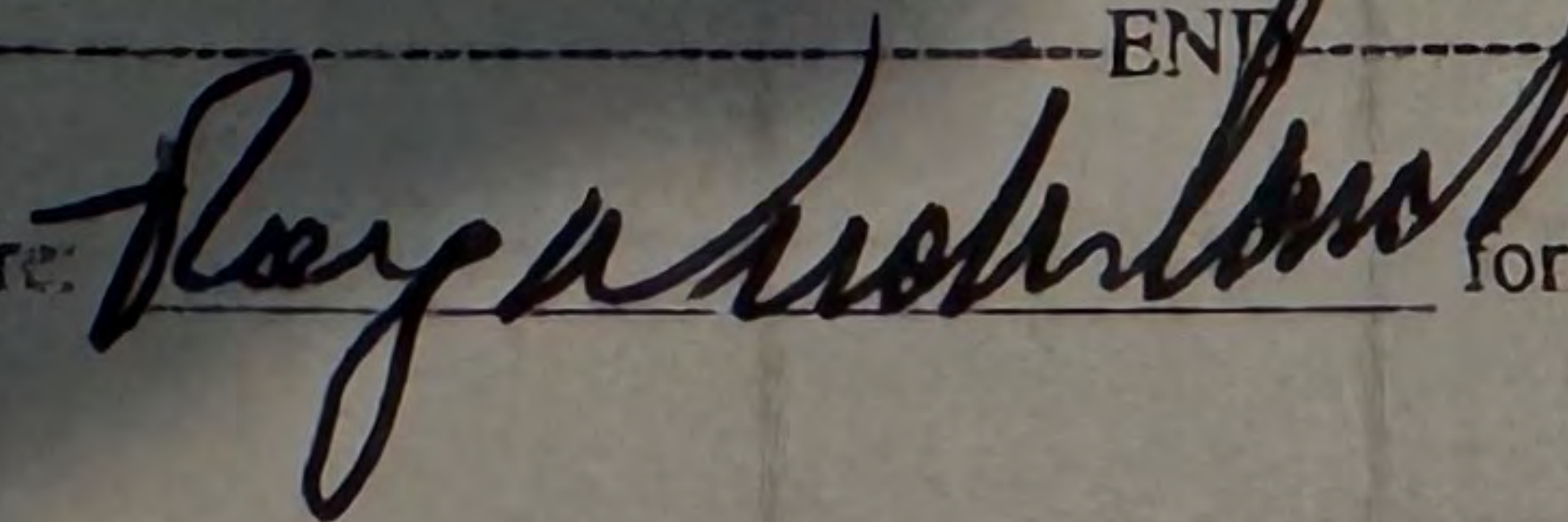
Engine Log;

1. Complied with an Engine 100 Hour Inspection using Cessna 177 RG Annual/100hr Checklist and other current data and maintenance required under Part 43.16 and 91.409
2. Compressions: #1 72/80 #2 72/80 #3 72/80 #4 70/80.
3. Complied with AD 2015-19-07 "Lycoming External Fuel Injection Line Clamping". Next due 1620.0 Hrs. or Mar. 2020.
4. Installed new URHM38E sparkplug (8130-3) in #3 lower position.
5. No oil change at this time, oil changed 9.3 hrs ago with SOAP sample.
6. Engine run-up was normal & no defects noted.

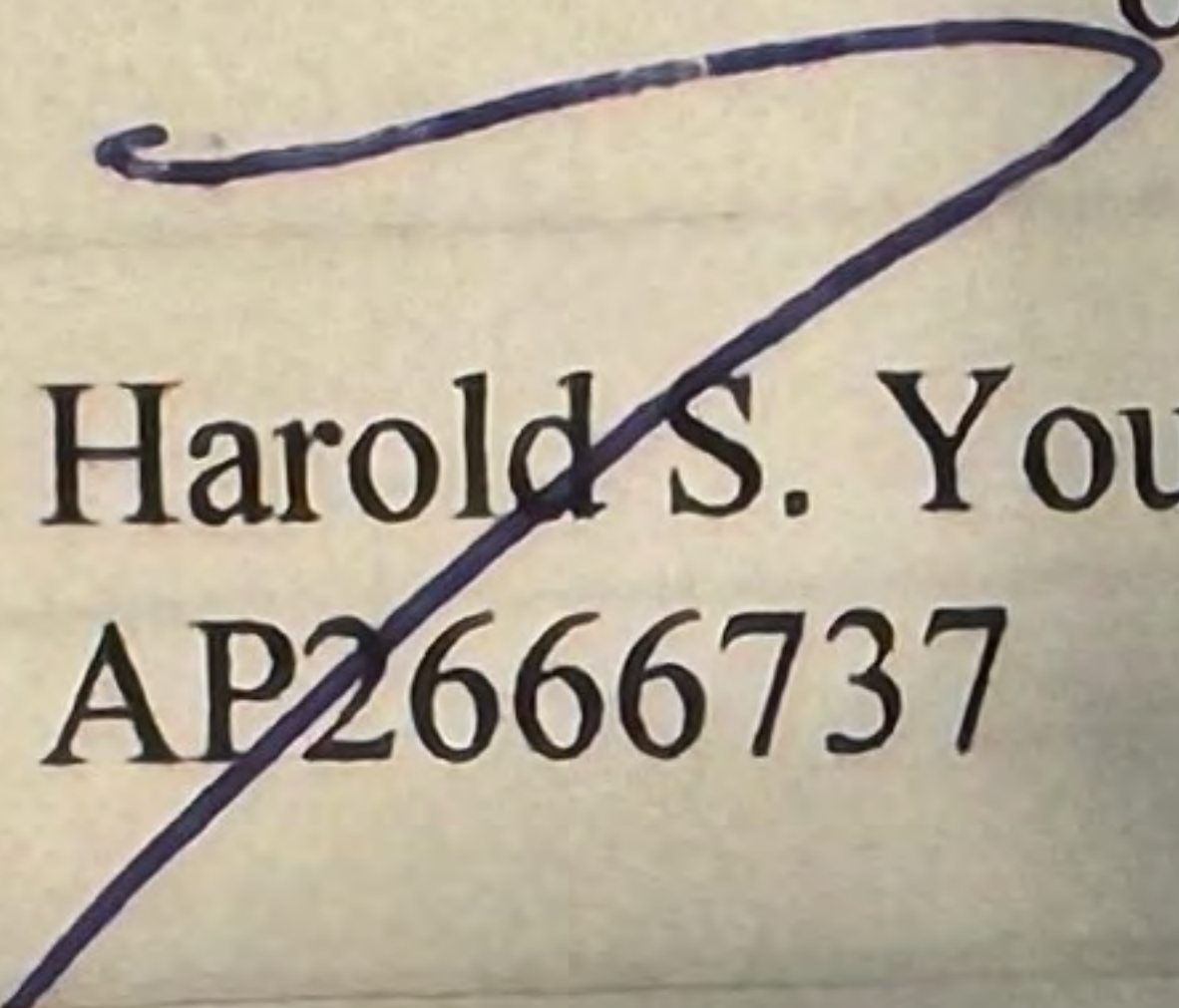
I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru 2019-06.

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Signature:  for CRS# IKBR028F

N29LK 9/3/19 TACH 1532.8
Changed oil and filter, added 7 qts Phillips 20W50, AA48103-2 filter, and appropriate quantity of Camguard. Inspected old filter. Adjusted idle speed and mixture. Leak and ops checks good at this time. -END-


Harold S. Young
AP2666737

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.)
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YEAR: _____ DATE

Aero Precision Unlimited

*1075 Pittsburgh Dr.
Delaware, Ohio 43015
937-209-0962*

DATE: 10/25/20
TACH: 1581.5
REG: N29LK

ENGINE LOG

- Drained oil, removed oil filter, cut open and inspected for debris, none noted at this time
- Oil sample taken and sent to Blackstone laboratories for analysis
- Installed new Tempest 48103-2 oil filter, torqued and safety wired
- Serviced engine oil with 7 qts of Phillips 20-50 XC and adding 11.2 oz. of Camguard
- C/W AD 15-19-07. re-inspect after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours TIS

Joseph B. Rambosek A&P 3761674
Joseph B. Rambosek

YEAR:

DATE

Date: 04/09/2021 Hours: ETTSN:1623.2

Tail#: N29LK

S/N: 177RG-0736

Make: Textron (Cessna) Model: 177RG

Conducted annual / 100 hr inspection I/AW FAR 43.13 appendix D & Lycoming service manual.

Conducted compression test. #1 76/80 #2 78/80 #3 75/80 #4 76/80

Drained oil, removed oil filter, cut open and inspected for debris, none noted at this time

Serviced oil with 8qts. of Phillips 20W50XC and 12.8 oz. of Aviation camguard

Installed tempest 48103-2 oil filter, torqued to 16 ft. lbs. and safety wired

Removed spark plugs, cleaned, tested, resistance tested and gapped, replaced 2 that failed resistance test with new. Torqued spark plugs to 420 In. lbs. with new gaskets

Removed fuel injectors, cleaned and reinstalled, torqued to 65 In. lbs.

Replaced front engine case crank oil seal

C/W AD 15-19-07 re-inspection of fuel injector lines after any maintenance involving fuel injector lines.

Name: Joseph Rambosek

Cert: AP 3761674

Co: Aero Precision Unlimited

Sign:

Continued →

ations

Number of Technician or Repair

YEAR:

Date: 04/09/2021 **Hours:** ETTSN:1623.2

DATE

Tail#: N29LK

Make: Textron (Cessna)

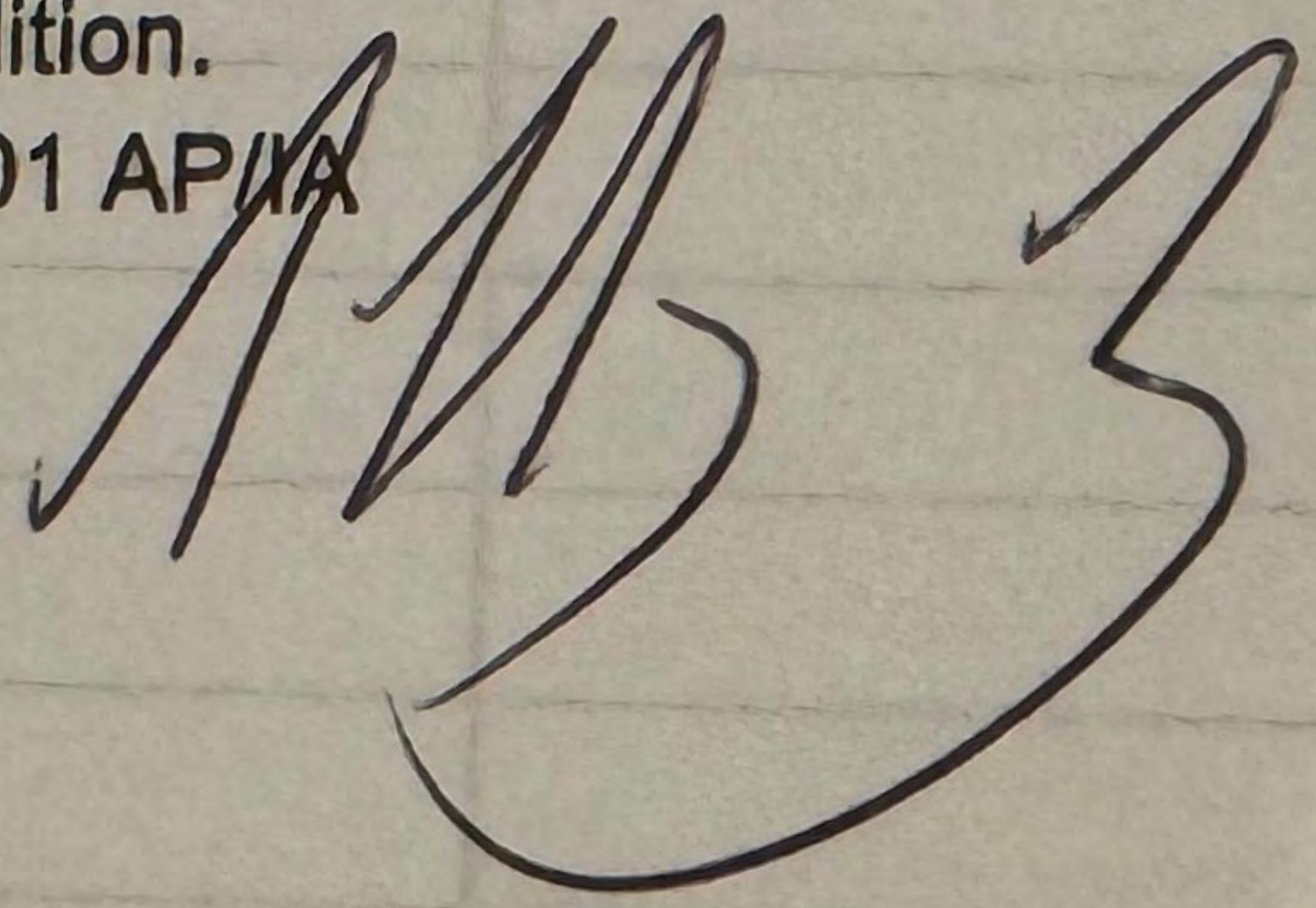
Model: 177RG

S/N: 177RG-0736

All AD's current and C/W as of this date.

I certify this aircraft has been inspected in accordance with an annual inspection and is in airworthy condition.

Jeffrey Guy 2147901 AP/IA

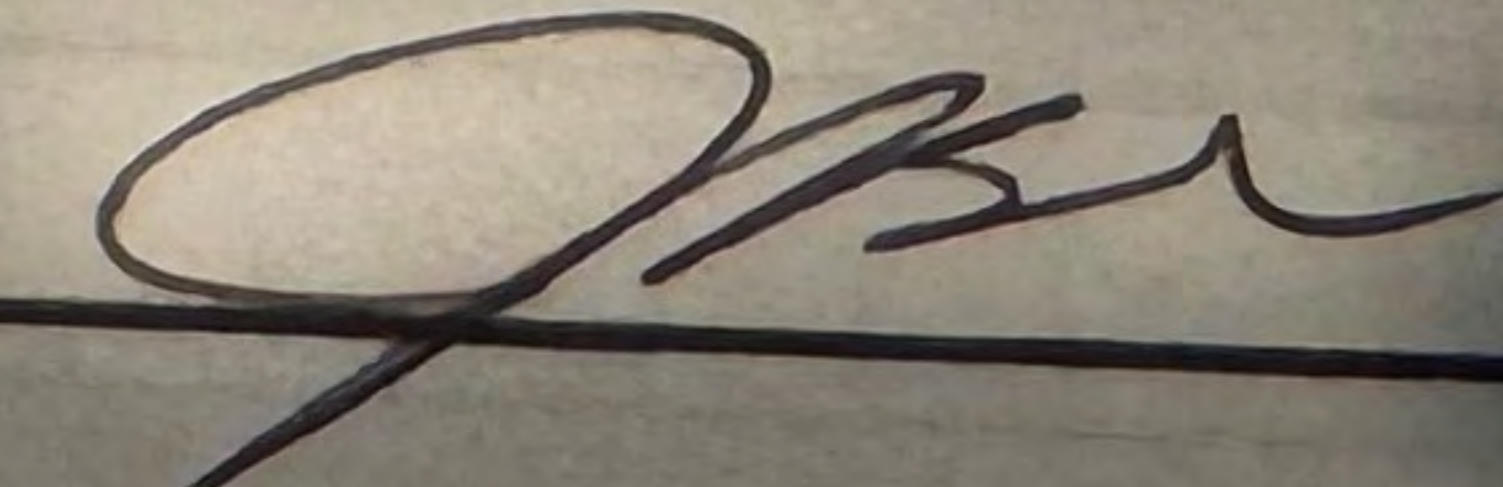


Name: Joseph Rambosek

Co: Aero Precision Unlimited

Cert: AP 3761674

Sign:



ations

Number of Technician or Repair

YEAR:

DATE

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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DATE



Aero Precision Unlimited
 1075 Pittsburgh Dr.
 Delaware Ohio 43015
 9372090962

Make: Textron (Cessna)
Model: 177RG
Tail: N29LK
S/N: 177RG-0736

Hours: TT: 1642.1

DRAINED OIL, COLLECTED BLACKSTONE OIL ANALYSIS TO BE SENT TO BLACKSTONE LABS, REMOVED OIL FILTER, CUT OPEN AND INSPECTED FOR DEBRIS, NONE NOTED. INSTALLED NEW TEMPEST 48103-2 OIL FILTER, TORQUED TO 16 FT. IBS. AND SAFETY WIRED. SERVICED ENGINE OIL WITH 7 QTS. OF AEROSHELL W15W50 OIL POST MAINTENANCE RUN UP / LEAK CHECK COMPLETED AND IS SATISFACTORY.

Signed: Joseph B. Rambossek
Name: Joseph Rambossek

Cert: AP 3761674
Date: 10/18/2021



Aero Precision Unlimited
 1075 Pittsburgh Dr.
 Delaware Ohio 43015
 9372090962

Make: Lycoming
Model: IO-360-A1B6D
Tail: N29LK
S/N: L-14040-51A

Hours: Tach:1660.2 ETT:1660.2

Performed annual inspection I/AW FAR 43.13 Appendix "D", Cessna 100 series MM D991-13: Revision - 3, Revision Date - Sep 1, 1974 Section 2. Lycoming O/IO-360 Overhaul and Service manual.
 Conducted a pre-maintenance run up / ops check of aircraft engine
 Conducted engine compressions, #1-76/80, #2-77/80, #3-75/80, #4-74/80
 Borescoped cylinders to check cylinder bore and valve conditions, valves had symmetrical burn patterns with discoloration of exhaust valves, cylinder bores checked good at this time.
 Oil drained, oil sample collected and sent to Blackstone Labs for analysis. Oil filter was removed, cut open and inspected for debris, nothing of notable size or quantity at this time.
 Installed New Tempest 48103-2 oil filter, torqued to 16 Ft. lbs. and safety wired
 Serviced engine oil with 8 qts of Phillips 20W50 XC provided by owner
 Checked Magneto timing, found timing at 30 degrees BTC. Reset magneto timing to 25 degrees BTC I/AW engine data tag
 Removed spark plugs, cleaned, inspected, gapped, re-installed with new gaskets P/N: M-674
 Removed fuel injectors, cleaned, inspected and re-installed
 Lubricated all engine controls
 Performed a post maintenance run up / leak check / ops check, all "OK" at this time.
 All AD's current and C/W as of Small Aircraft, FAA Bi-Weekly 2022-06, 02/28/2022 - 03/13/2022
 I certify this engine has been inspected in accordance with an annual inspection and is in airworthy condition at this time.

Jeffrey Guy A&P 2147901 I/A

Signed: Joseph B. Rambosek
Name: Joseph Rambosek

Cert: AP 3761674
Date: 03/18/2022

Repair

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 Facility. (See back pages for other specific entries.)
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ENGINE

907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware Ohio 43015
9372090962

Make: Textron (Cessna)
Model: 177RG
Tail: N29LK
S/N: 177RG-0736

Hours: TT: 1680.7

Oil drained replaced with new CH48104-1. Used filter opened for inspection, findings acceptable at this time. Serviced engine oil with 7 qts Aeroshell 100w. 11.2 oz CamGuard added. Blackstone Oil Sample taken. Oil filter removed and Post maintenance run up / leak check completed. OK at this time

Signed: Joseph B. Rambosek
Name: Joseph Rambosek

Cert: AP 3761674
Date: 10/04/2022

RECORDING TACH
TODAY'S FLIGHT
TOTAL TIME IN



907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware Ohio 43015
9372090962

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repairman
Facility (See backpages for other special instructions)

Make: Lycoming
Model: IO-360-A1B6D
Tail: N29LK
S/N: L-14040-51A

Hours: Tach:1682.3

Removed cylinder #3 due to broken exhaust valve face.
Installed repaired cylinder assembly from Hyfast Aircraft Engines of Parma, Ohio with an 8130-3 in accordance with
Lycoming O/IO-360 series overhaul manual. P/N: LW-12993
Drained oil from aircraft
removed oil filter
Installed new Champion 48104 oil filter, torqued and safety wired.
Serviced engine oil with Aeroshell 80, 8 quarts in total.
Post maintenance run / leak check ok at this time.

Signed: Joseph B. Rambosek
Name: Joseph Rambosek

Cert: AP 3761674
Date: 10/21/2022

ENGINE LOGBOOK



907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware Ohio 43015
9372090962

Make: Lycoming
Model: IO-360-A1B6D
Tail: N29LK
S/N: L-14040-51A

Hours: Tach Time: 1682.9

Removed cylinders 1 & 3
Replaced cylinder # 1 with a repaired cylinder assembly from Hyfast Aerospace of Cleveland, Ohio with an 8130-3, P/N: LW-12993.
Replaced cylinder #3 with a repaired cylinder assembly from Hyfast Aerospace of Cleveland, Ohio with an 8130-3, P/N: LW-12993.
All work completed in reference to Lycoming O/IO-360 series overhaul manual
Post maintenance ground run / ops check / leak check completed prior to flight.
Everything satisfactory at this time.

Signed: Joseph B. Rambosek
Name: Joseph Rambosek

Cert: AP 3761674
Date: 12/12/2022

YEAR:

DATE

**REC
TAC
TIMI**



907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware Ohio 43015
9372090962

Make: Lycoming
Model: IO-360
Tail: N29LK
S/N: L-14040-51A

Repair

Hours: TT: 1698.5 EngTT: 1698.5

Performed annual inspection I/AW FAR 43.13 Appendix "D", Cessna 100 series MM D991-13: Revision - 3, Revision Date - Sep 1, 1974 Section 2. Lycoming O/IO-360 Overhaul and Service manual.
Conducted a pre-maintenance run up / ops check of aircraft engine
Conducted engine compressions, #1-80/80, #2-79/80, #3-80/80, #4-78/80
Borescoped cylinders to check cylinder bore and valve conditions, valves had symmetrical burn patterns with discoloration of exhaust valves, cylinder bores checked good at this time.
Oil drained, oil sample collected and sent to Blackstone Labs for analysis. Oil filter was removed, cut open and inspected for debris, nothing or notable size or quantity at this time.
Installed New Tempest 48103-2 oil filter, torqued to 16 Ft. lbs. and safety wired
Serviced engine oil with 8 qts of Phillips 20W50 XC provided by owner
Removed ignition harness from aircraft to be sent to Kelly Aero for overhaul, no data tag noted on harness at this time.
Installed ignition harness after return from overhaul at Kelly Aero, P/N:10-821414-8, No serial number listed on FAA form 8130-3.
Removed magneto, sent to Kelly Aero for overhaul. Installed overhauled magneto, P/N:10-682555-11, S/N:L-04142 with an FAA form 8130-3 and timed to 25 degrees BTC.
Removed spark plugs, cleaned, inspected, gapped, re-installed with new gaskets P/N: M-674, torqued to 420 In. lbs.
Removed oil suction screen, cleaned, inspected and re-installed with new Lycoming crush gasket and safety wired.
Removed fuel injectors, cleaned, inspected and re-installed
Lubricated all engine controls
Performed a post maintenance run up / leak check / ops check, all "OK" at this time.
All AD's current and C/W as of Small Aircraft, FAA Biweekly 2023-14, 06/19/2023 - 07/02/2023
I certify this engine has been inspected in accordance with an annual inspection and is in airworthy condition at this time.
Jeffrey Guy A&P 2147901 I/A

Signed: _____
Name: Joseph Rambosek

Cert: AP 3761674
Date: 07/16/2023

Repair

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A large, faint table with multiple columns and rows, containing illegible text and numbers.

YEAR:
RECORDING TACH TIME
TODAY'S FLIGHT
TOTAL TIME IN SERVICE

DATE

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.)



907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware Ohio 43015
9372090962

Make: Lycoming
Model: IO-360
Tail: N29LK
S/N: L-14040-51A

Hours: TT: 1752.1

#4 Inboard Exhaust mounting nut missing. Nut replaced with new. Per Lycoming service instructions 1425A dated January 19, 1988, removed exhaust valve from valve guide, cleaned and inspected valve guide. Positioned exhaust valve stem through bottom spark plug hole in cylinder, cleaned exhaust valve stem with scotch brite. Re-installed valve back into cylinder per instructions. Spark plugs due for service. Spark plugs removed, cleaned, tested for spark and resistance, and reinstalled using new gaskets. Plugs torqued to specification and leads reattached. Run-up normal at this time.

Signed: *Joseph B. Rambosek*
Name: Joseph Rambosek

Cert: AP 3761674 IA
Date: 03/16/2024



907 Aviation LLC.
 1075 Pittsburgh Dr.
 Delaware Ohio 43015
 9372090962

Make: Lycoming

Model: IO-360

Tail: N29LK

S/N: L-14040-51A

Hours: Tach Time: 1761.5, ETT:1761.5, TSN: 1761.5

Performed annual inspection I/AW FAR 43.13 Appendix "D", Cessna 100 series MM D991-13: Revision - 3, Revision Date - Sep 1, 1974 Section 2. Lycoming O/IO-360 Overhaul and Service manual.
 Conducted a pre-maintenance run up / ops check of aircraft engine
 Conducted engine compressions, #1-80/80, #2-78/80, #3-80/80, #4-76/80
 Borescoped cylinders to check cylinder bore and valve conditions, valves had symmetrical burn patterns with discoloration of exhaust valves, cylinder bores checked good at this time.
 Oil drained, oil sample collected and sent to Blackstone Labs for analysis. Oil filter was removed, cut open and inspected for debris, nothing of notable size or quantity at this time.
 Installed New Tempest 48103-2 oil filter, torqued to 16 Ft. lbs. and safety wired
 Serviced engine oil with 8 qts of Phillips 20W50 XC provided by owner
 confirmed magneto timing to be 25 degrees BTC.
 Removed spark plugs, cleaned, inspected, gapped, re-installed with new gaskets P/N: M-674, torqued to 420 In. lbs.
 Removed oil suction screen, cleaned, inspected and re-installed with new Lycoming crush gasket and safety wired.
 Removed fuel injectors, cleaned, inspected and re-installed
 washed engine
 Lubricated all engine controls
 C/W AD 15-19-07: Fuel Injector Fuel Lines and Clamps, next due anytime engine maintenance is conducted
 Performed a post maintenance run up / leak check / ops check, all "OK" at this time.
 All AD's current and C/W as of Small Aircraft, FAA Biweekly 2024-15, 07/15/2024-07/28/2024
 I certify this engine has been inspected in accordance with an annual inspection and is in airworthy condition at this time.

Signed: Joseph B Rambossek

Name: Joseph Rambossek

Cert: AP 3761674 IA

Date: 08/09/2024

YEAR:

DATE

or Repa

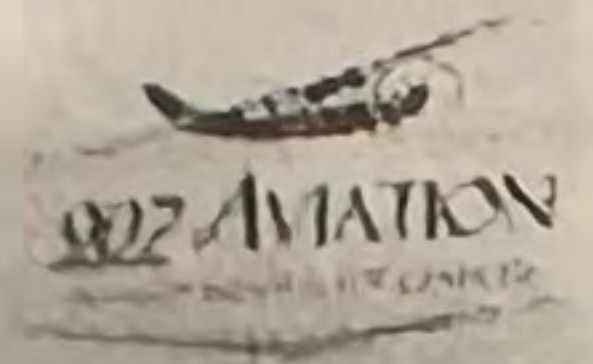
YEAR

DATE

Repair

YEAR

DATE



907 Aviation LLC.
1075 Pittsburgh Dr.
Delaware, Ohio 43015

Make: Lycoming
Model: IO-360
Tail: N29LK
S/N: L-14040-51A

or Repair

Hours: Tach: 1779.9 TTE: 1779.9

Performed 100 hr. / Annual inspection in accordance with FAR 43.13 appendix D, Cessna Cardinal RG series service manual dated October 1, 1975. P/N: D2009-13-rand-1200-10/75 chapter/ section 2, Ground handling, servicing, cleaning, lubrication and inspection. Lycoming O/IO-360 Overhaul and Service manual.
Conducted a pre-maintenance run up / ops check of aircraft engine
Performed engine compression check, #1-79/80, #2-78/80, #3-80/80, #4-78/80 with a master orifice of .041
Removed spark plugs, cleaned, inspected, gapped, resistance checked, spark checked, rotated and re-installed then torqued to 420 In. lbs.. Spark plugs installed with new gaskets M674
Removed fuel injectors, cleaned in ultra sonic bath, inspected and reinstalled, torqued to 65 In. lbs.
Removed oil suction screen, cleaned, inspected and reinstalled with a new crush washer AN900-16, torqued and safety wired.
Borescope inspection revealed exhaust valve in cylinder #2 turning red / yellow.
Drained engine oil, removed oil filter, cut open and inspected for debris, nothing of notable size or quantity observed at this time.
Installed new Tempest 48103-2 oil filter, torqued to 16 Ft. lbs. and safety wired. Serviced engine oil sump with 6 qts. of owner provided Phillips 20W50XC engine oil.
confirmed magneto timing to be 25 degrees BTC.
Lubricated all engine controls
C/W AD 15-19-07: Fuel Injector Fuel Lines and Clamps, next due anytime engine maintenance is conducted
Performed a post maintenance run up / leak check / ops check, all "OK" at this time.
All AD's current and C/W as of Small Aircraft, FAA Biweekly 2025-07 03/24/2025-04/06/2025
I certify this engine has been inspected in accordance with an annual inspection and is in airworthy condition at this time

Signed: Joseph B. Rambosek
Name: Joseph Rambosek

Cert: AP 3761674 IA
Date: 04/07/2025