

SERVICEABLE

Mfgr. Name airesearch

Part No. C295001-0301

Part Name turbocharger

Serial TIRO120P00-00

The aircraft component identified above was completely overhauled in accordance with the manufacturer's specifications and with the current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under

Work Order No. 23735

Date 1-16-01

Signed *Dan Mann*
(Signature of Authorized Individual)

MAIN TURBO SYSTEMS, INC.
234 Coffa Ct. • Visalia, CA 93292

Phone (559) 635-3322 • Repair Station #MAMR190K • FAX (559) 627-1960

ENC
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DA1

19

DATE: 1/16/01

Certified Repair Station

ENGINE MODEL:
IO-360-A1B6D
ENGINE S/N: L-12374-51A
REG NO: N2174Q
WORK ORDER: 684-03-2002

Ron's Aircraft Service, Inc.

2810 Perimeter, Suite 101
North Las Vegas, NV 89032
Repair Station No. RJUR641K

DATE: 4/1/02
TTA: 3,382.20
TTE: 3,382.20
TSMOH: 1,572.20
TACH: 3,382.20

Engine Entries

Compression checks 1 7/1/80, 2 6/9/80, 3 7/0/80, 4 6/9/80.... CW AD 93-02-05 Inspected fuel injector lines for proper routing and security.... Replace scat tube on turbo induction.... This Engine has been inspected as part of an Annual/100 hour inspection using aircraft mfg. checklist and was determined airworthy....

DATE: 4/1/02

SIGNED:

Ronald K Beard
Certified Repair Station No. RJUR641K

WORK ORDER: 684-03-2002

DA1

ENGINE MODEL: IO-360-A1B6D
ENGINE SN: L-12374-51A
REG. NO: N2174Q
WORK ORDER: 231-12-2000

RON'S AIRCRAFT SERVICE, INC.
2810 PERIMETER, SUITE 101
NORTH LAS VEGAS, NEVADA 89032
F.A.A. Certificated Repair Station #RJUR641K
LOGBOOK INSERT

DATE 2/1/01
TTE 3358.1
TSMOH 1648.1
TACH 3358.1
TTA 3358.1

Engine Entries

Compression checks 1 72/80, 3 68/80, 2 75/80, 4 78/80.... Removed Turbocharger for overhaul by Main Turbo Systems, Inc. under W/O 23735. Reinstalled turbocharger, aligned and torque hardware to 130 in. lbs. compressor and turbine side. Ground operational and leak check made, okay at this date.... Inspected and replaced magneto points and condensers, set internal timing. Install with new gasket to proper engine timing.... Replace all spark plugs, torqued to specs.... AD 82-11-05 PCW check magneto gears visually for damages.... Complied with AD 93-02-05 inspected fuel Injector lines and clamps for security of attachment, next due of lines, inspection of lines.... This Engine has been inspected as part of an annual inspection using aircraft mfg. checklist and was determined airworthy.

DATE: 2/1/01 SIGNED: Ronald K Beard WORK ORDER: 231-12-2000
Certified Repair Station No. RJUR641K

ENGINE MODEL:
IO-360-A1B6D
ENGINE S/N: L-12374-51A
REG. NO: N2174Q
WORK ORDER: 684-03-2002

Ron's Aircraft Service, Inc.
2810 Perimeter, Suite 101
North Las Vegas, NV 89032
Repair Station No. RJUR641K

DATE: 4/1/02
TTA: 3,382.
TTE: 3,382.
TSMOH: 1,672.
TACH: 3,382.

Engine Entries

Compression checks 1 71/80, 2 69/80, 3 70/80, 4 69/80.... CW AD 93-02-05 Inspected fuel injector lines for proper routing and security.... Replace scat tube on turbo induction.... This Engine has been inspected as part of an Annual/100 hour inspection using aircraft mfg. checklist and was determined airworthy....

DATE: 4/1/02 SIGNED: Ronald K Beard WORK ORDER: 684-03-20
Certified Repair Station No. RJUR641K

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	
J2	3397.9			REMOVED for overhaul from N 2174Q J. Brown A00 555666025
	1687.9	SMOKE		

HORTON AVIATION SERVICES

FAA REPAIR STATION YHSR-284L

2732 PERIMETER ROAD, SUITE 101

N. LAS VEGAS NV 89032

**N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 16-136 Date: 5/13/2016 Tach Time: 3874.2 SMOH: 476.3**

Changed oil and cleaned screen serviced with Aeroshell W100. Engine compression as follows #1 78/80 #2 74/80 #3 76/80 #4 76/80. Engine was test run and leak checked normal. I certify that this engine has been inspected I/AW an annual inspection and found to be in an airworthy condition.

The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE

[Signature]

**ATION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
BE ENDORSED WITH NAME RATING AND CERTIFICATE NUMBER OF**

HORTON AVIATION SERVICES

FAA REPAIR STATION YHSR-284L

2732 PERIMETER ROAD, SUITE 101

N. LAS VEGAS NV 89032

**N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017 Tach Time: 3876.4 Total time: 3876.4**

Installed new cigar lighter with USB outlets. Replaced right landing light. Secured JPI harness at engine compartment. Replaced vacuum system filters. Replaced induction system filter. Inspected ELT I/AW FAR 91.207 (d) and found to be in satisfactory condition. Complied with AD 2015-19-07 fuel injector lines, and AD 2011-10-09 seat and rail inspection reference attached AD compliance log for details. I certify that this airframe has been inspected I/AW an annual inspection and found to be in an airworthy condition.

The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE

[Signature]

Logbook Entry Date:

11/05/2020

Aircraft Reg: 2174Q Aircraft Type: Cessna 177RG Aircraft S/N: 177RG0574
Eng. Model: IO-360-A1B6D Tach: 4079.9 Hobbs: 2640.1 AFTT: 4079.9
Eng. S/N: L-12374-51A

Description of work completed:

1. Accomplished Annual inspection ; Complied with Annual inspection requirements per FAR Part 43, Appendix D using Cessna 177RG service manual checklist
2. Completed an engine compression check #1 75/80, #2 75/80, #3 73/80, #4 72/80 68/80.
3. Removed spark plugs. Cleaned, inspected, gapped, and tested spark plugs. No discrepancies found
4. Inspected and timed both magnetos, ops check good.
5. Complied with AD82-11-05PCW check magneto gears aisuually for damage.
6. Complied with AD 93-02-05 inspect fuel lines and clamps for security of attachement , next due 100hrs
7. performed post inspection run-up and leak check with no defects noted.

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the Cessna 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Lou Maxson

PACIFIC CONTINENTAL ENGINES, INC.

21 W. Easy St. Unit 103 Simi Valley, CA 93065

(818)899-5200 FAX (818)899-5300

FAA APPROVED REPAIR STATION #TZ3R885L

**CERTIFIED OVERHAUL TO
NEW ENGINE TOLERANCES
ZERO-TIME EQUIVALENT**

Make: LYCOMING ENGINES INC

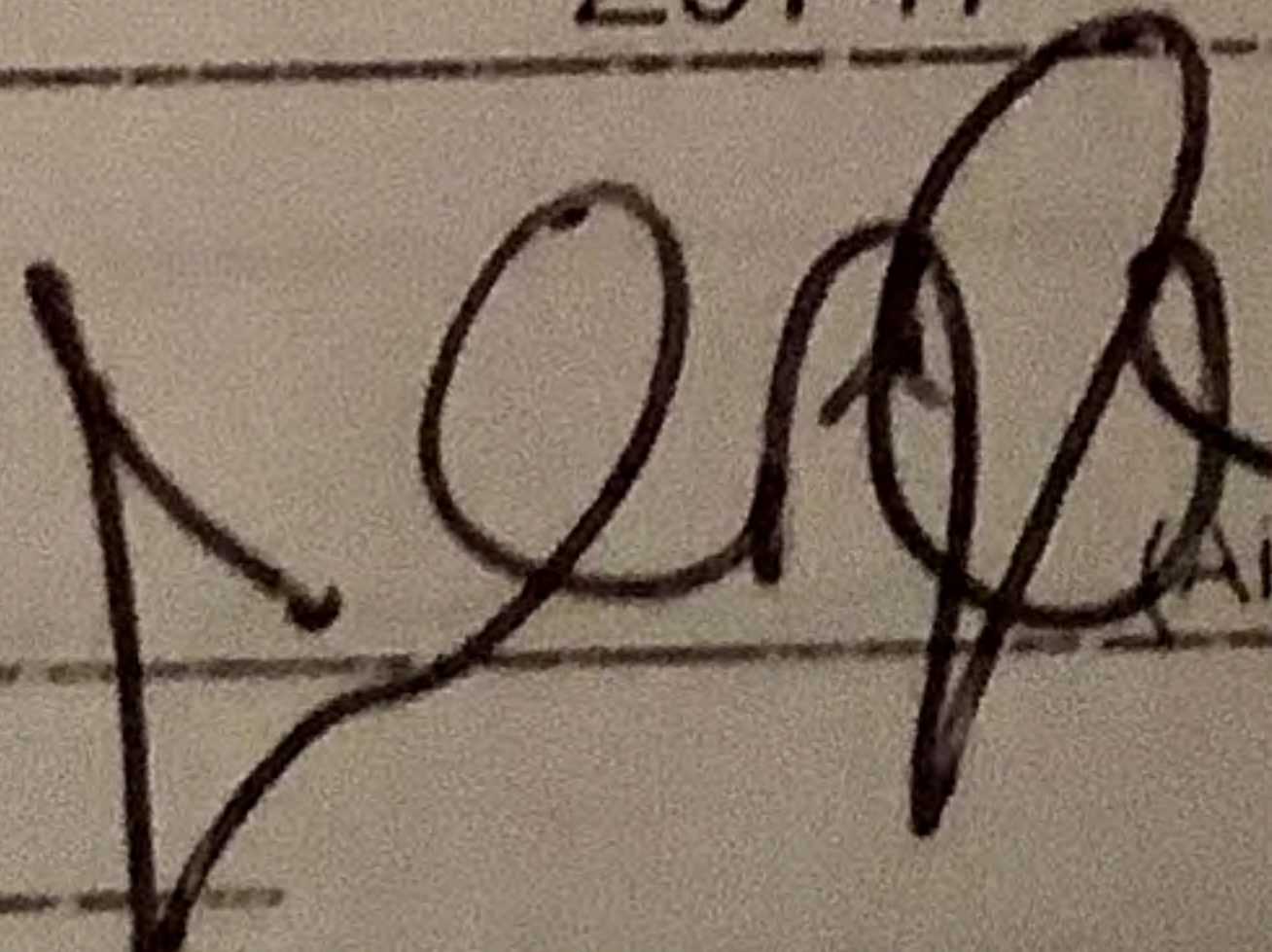
Model: IO-360-A1B6D (-A1B6)

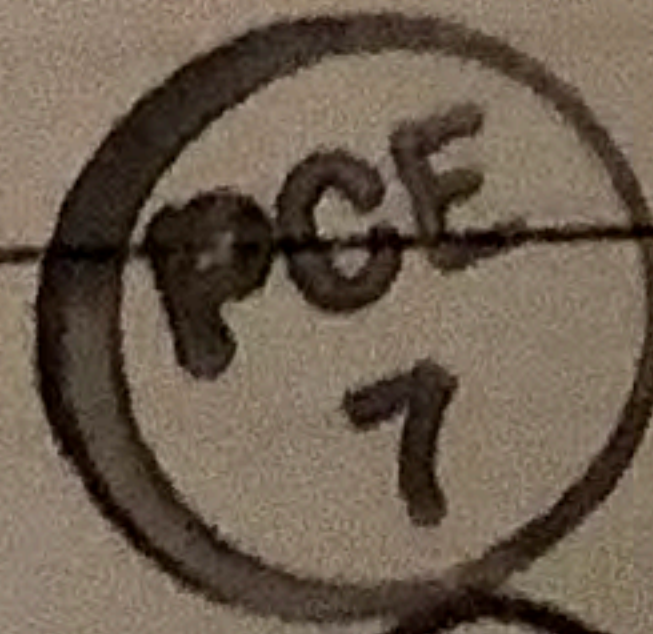
S/N: L-12374-51AC

SMOH: 0.0

This engine was overhauled in accordance with Lycoming manuals 60294-7-14, PC-406-1C, Service Instruction 1304J, and current Federal Aviation Regulations and is approved for return to service.

Work Order NO: Z9747

Authorized Signature:  (Air Agency #TZ3R885L)



Date: 12/NOV/2021

Total time on engine before overhaul 2824.7

RECORD OF ACCESSORIES AND MAJOR PARTS SHIPPED WITH ENGINE

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>SERIAL NUMBER</u>	<u>STATUS</u>	<u>TT</u>	<u>TSO</u>	<u>WORK BY</u>
Alternator	N/S					
Starter	N/S					
LH Magneto	4372	10030577	O	N/A	0	PCE
RH Magneto	ES4370	J-K10037	N	0	0	Kelly
Fuel Servo	77-6700002	49462	O	N/A	0	AvStar
Fuel Pump	04-6550012	ORN121	N	0	0	TAT
Flow Divider	2524232-2	272H	O	N/A	0	PCE
Turbocharger	C295001-0301	TIR0120P	O	N/A	0	ATC
Wastegate	470842-9004	RKR0101	O	N/A	0	ATC
Controller	470688-9005	UAR0104	O	N/A	0	ATC
Scavenge Pump	CF101633-0031	1002001	O	N/A	0	AirAcc
NOZZLE ASM	TAT (-15B)	SPARK PLUGS.	UREM38E	HARNESSES	KA14007	
Oil Cooler	20104A	G95-2306-10	O	N/A	0	Pac Oil

COMMENTS:

This engine was converted to model IO-360-A1B6 in accordance with Lycoming manuals 60294-7-14, PC-406-1C and Lycoming Service Instruction 1304J. Engine model change using existing engine serial number updated with STC holder TAT for STC SE4082NM compliance. Installed new CMI cylinder kits p/n AEL10927 (s/n's AC21BA-135, -200, AC21DA-567, and -575 on CMI 8130-3 #590277), camshaft p/n LW18840, and lifter p/n 15B26588. Reinstalled crankshaft f/n LW12375 s/n 90365 after repair by AEA on w/o#197741. Reinstalled crankcase c/n 72081/2 m/n 433 after repair by DIVCC on 8130-3# WDC#129427. Complied with the following Lycoming service bulletins: 240W, 342G, 475C, and 632B. Complied with the following FAA AD's: 75-08-09, 90-04-06R1, 96-09-10, 2004-10-14, 2009-02-03, 2015-19-07, and 2017-16-11 (see attached AD compliance list). ---END--- Authorized Signature:

[Signature]
 N - NEW POE
7

(Air Agency #TZ3R885L).
 O - OHC R - REBUILT

com/index.ph

Engine
Logbook Entry Date:
05/26/2023

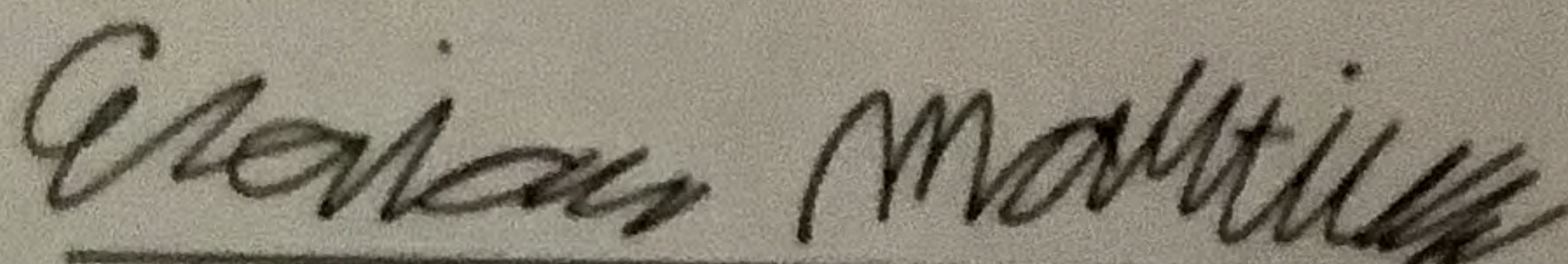
Aircraft Reg: N2174Q Aircraft Type: Cessna 177RG Aircraft S/N: 177RG0574
Eng. Model: IO-360-A1B6 Tach: 4114.3 Hobbs: 2680.7 N/A: _____
Eng. S/N: L-12374-51A

Description of work completed:

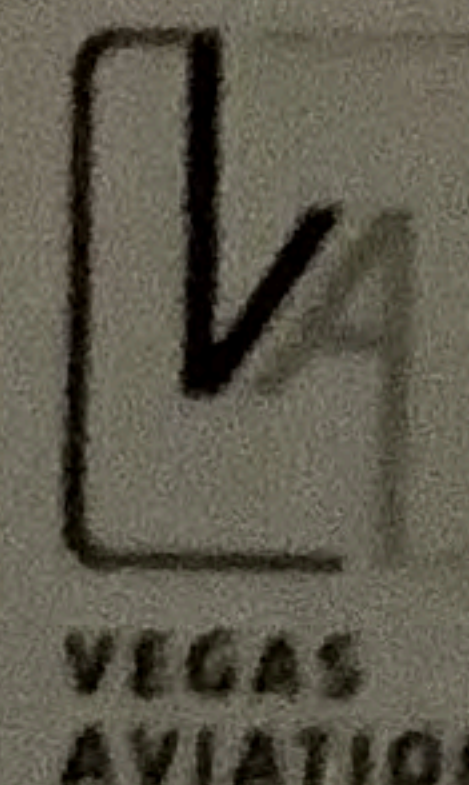
- 1.) Changed engine oil with 7 qts Aeroshell 100W plus.
- 2.) Inspected oil screen no defects noted at this time. ran engine no leaks found at this time

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the Cessna 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Esaias Martinez



Certification Number: A&P 4416106



Logbook Entry Date:

04/10/2022

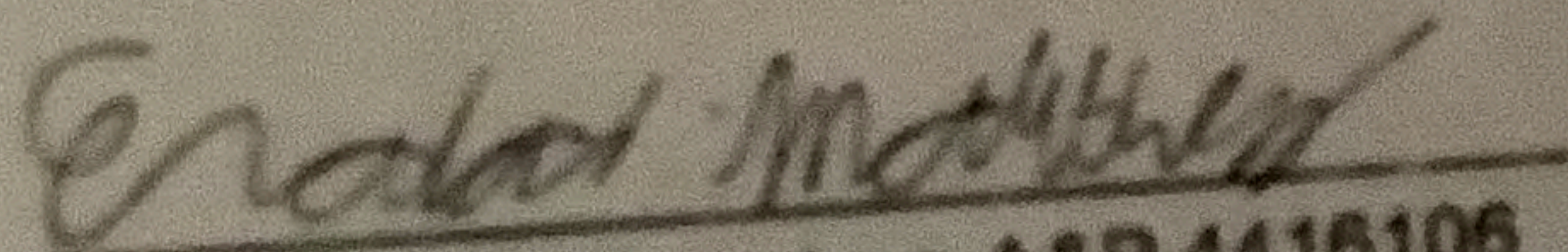
Aircraft Reg: N2174Q Aircraft Type: CESSNA 177RG Aircraft S/N: 177RG0574
Eng. Model: IO-360-A1B6 Tach: 4141.8 Hobbs: 2713.7 AFTT: _____
Eng. S/N: L-12374-51AC

Description of work completed:

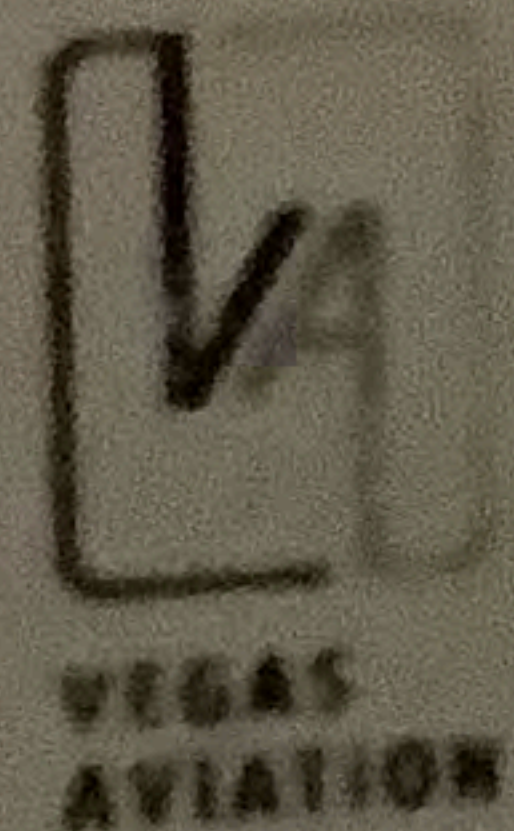
1. Changed oil with 7 qts of Phillips 100AW and Tempest AA48110-2 oil filter. Leak check good.

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the CESSNA 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Esaias Martinez



Certification Number: A&P 4416106



Engine Logbook Entry

Date: 11/21/22

Aircraft Reg: N2174Q

Aircraft type: Cessna 177RG

Aircraft SN: 177RG0574

Engine SN: L-13220-51A

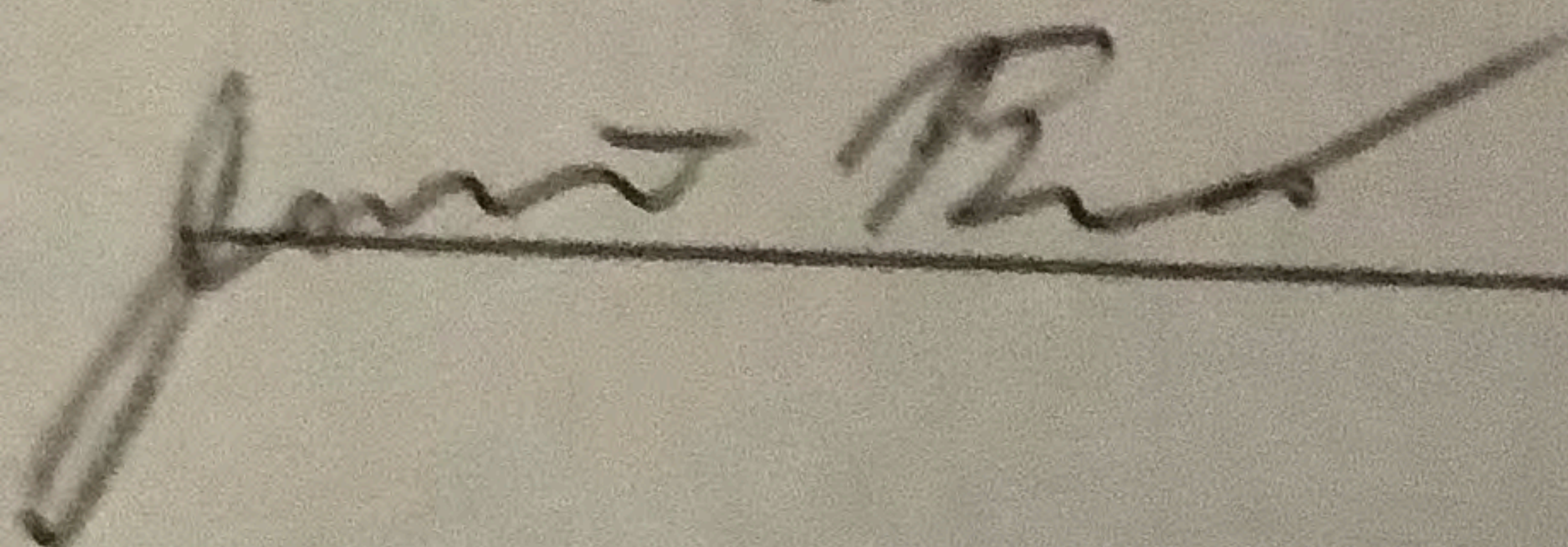
Tach:4173.3

Hobbs: 2745.0

1. Removed cylinder 3 exhaust and sent sent to Plane Exhaust Corp CRS #Q6SR742J for repair. Reinstalled with new lycoming 77611 exhaust gasket. Ops and leak check good.
2. Cleaned and gapped spark plugs. Ops checked good.

I certify that the work performed on this Aircraft was done IAW Lycoming direct drive Service Manual and acceptable practices.

Jonathan Bogert



Certification Number-A&P 3822144

04/21/2023

Aircraft Reg: N2174Q Aircraft Type: CESSNA 177RG Aircraft S/N: 177RG0574

Eng. Model: IO-360-A1B6 Tach: 4191.5 Hobbs: 2766.1 TSMOH: 77.0

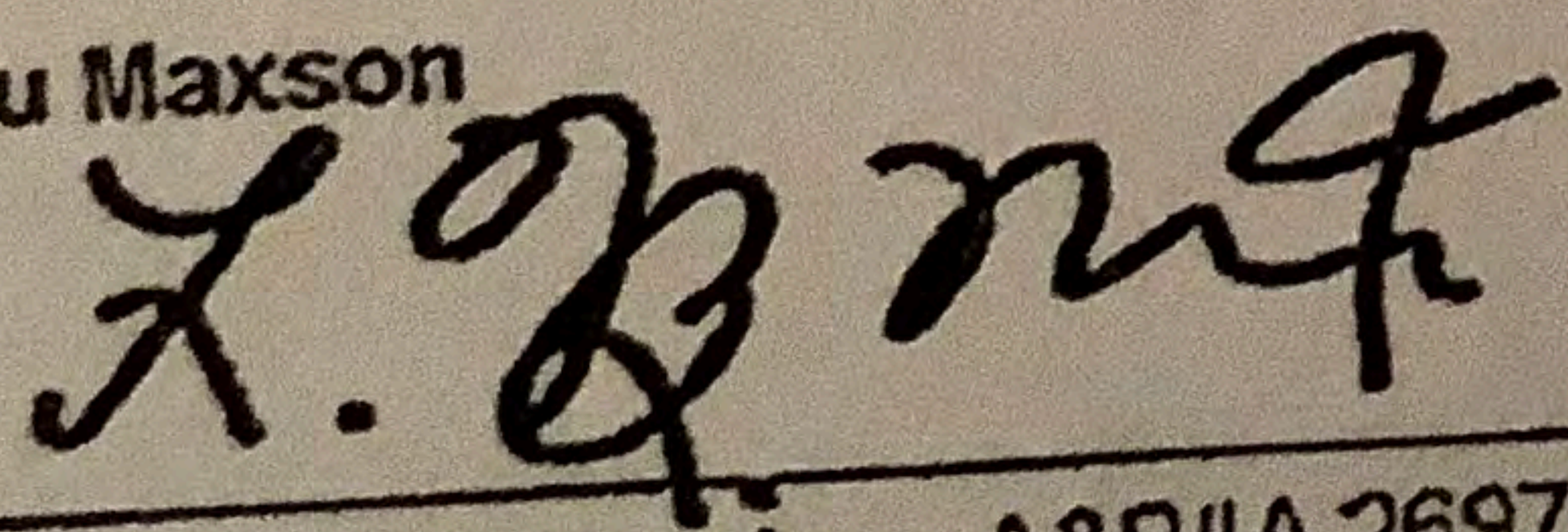
Eng. S/N: L-12374-51A

Description of work completed:

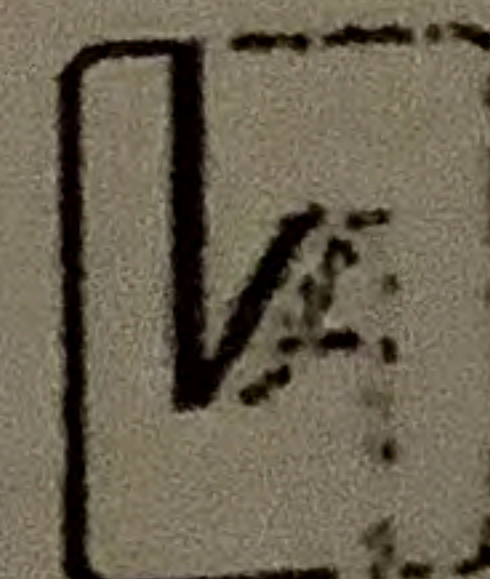
1. Accomplished Annual inspection ; Complied with Annual inspection requirements per FAR Part 43, Appendix D and Cessna 177RG service manual checklist
2. Completed an engine compression check #1 78/80, #2 78/80, #3 76/80, #4 77/80
3. Removed spark plugs. Cleaned, inspected, gapped, and tested spark plugs. No discrepancies found
4. Changed engine oil with 9 qts Aeroshell 100w plus and AA48110-2 filter. cut open filter no contaminants found. ops and leak check good.
5. Took an oil sample and sent it out to blackstone for analysis.
6. Inspected and timed both magnetos, ops check good.
7. complied with AD 2015-19-07 (fuel injector fuel lines.) by inspection in accordance with paragraph (E), next due at Tach: 4301.5
8. performed post inspection run-up and leak check with no defects noted.

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the CESSNA 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Lou Maxson



Certification Number: A&P/IA 2697640



VEGAS
AVIATION

**HORTON AVIATION SERVICE
FAA REPAIR STATION YHSR
2732 PERIMETER ROAD, SUITE
N. LAS VEGAS NV 89032**

**# N2174Q MFG. CESSNA
W.O. 16-147 Date: 05/18/2016**

**ALTIMETER(S) TESTED TO 2
ENCODER P/N D120-P2T S/N**

**I CERTIFY THAT THE STATIC
AUTOMATIC PRESSURE ALTIMETER
WAS TESTED AND INSPECTED
AND FOUND TO COMPLY WITH**

**The aircraft and/or component
inspected in accordance with
is approved for return to service
this agency under above work**

Date: 12-22-15
Altimeter No.: AF43-187-656
CRS # A2QR419J

**Aircraft Quality Instruments
2649 S. Custer • Wichita, KS 67217**

Tested by:

ALTITUDE (FEET)	In. Hg	MB	TOLERANCE (% FEET)	ALTIMETER ERROR IN FEET
-1,000	31.0185	1050.41	20	-10
0 (SL)	29.9213	1013.25	20	-10
500	29.3846	995.08	20	-10
1,000	28.8557	977.17	20	-10
1,500	28.3345	959.52	25	-10
2,000	27.8210	942.13	30	-20
3,000	26.8167	908.12	30	-20
4,000	25.8418	875.10	35	-20
6,000	23.9782	811.99	40	-20
8,000	22.2249	752.62	60	-10
10,000	20.5769	696.81	80	+10
12,000	19.0293	644.41	90	+10
14,000	17.5773	595.24	100	+20
16,000	16.2164	549.15	110	+40
18,000	14.9421	506.00	120	+80
20,000	13.7501	465.63	130	+140
22,000*	12.6363	427.91	140	
25,000*	11.1035	376.01	155	
30,000*	8.8854	300.89	180	
35,000*	7.0406	238.42	205	

**HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032**

**# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 16-147 Date: 5/18/2016 Tach Time: 3874.3
Total time: 3874.3**

**REMOVED AND REPLACED ALTIMETER P/N ON 5934P-1, S/N
ON 6D429, REPAIRED LEAK IN STATIC SYSTEM AND
REPLACED BROKEN SUMP BOTTLE, LEAK CHECKED SYSTEM
GOOD. The aircraft and/or component above was repaired and
inspected in accordance with Federal Aviation Regulations and
is approved for return to service. Pertinent details are on file at
this agency under above work order number.**

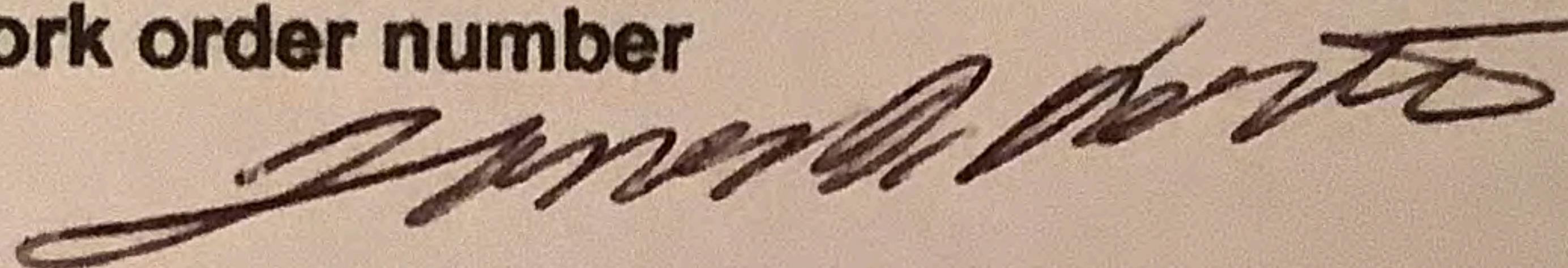
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RECORD
TACH
TIME

HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-037 Date: 1/27/2017 Tach Time: 3875.6 TT: 3875.6

Removed and replaced right and left main tires and tubes. Cleaned, inspected, and repacked wheel bearings. Serviced tires to 68 PSI. The aircraft and/or component above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number



REPAIRS AND ALTERATIONS
LOG AND CERTIFICATE NUMBER OF
ENTRIES FOR OTHER SPECIFIC ENTRIES.)

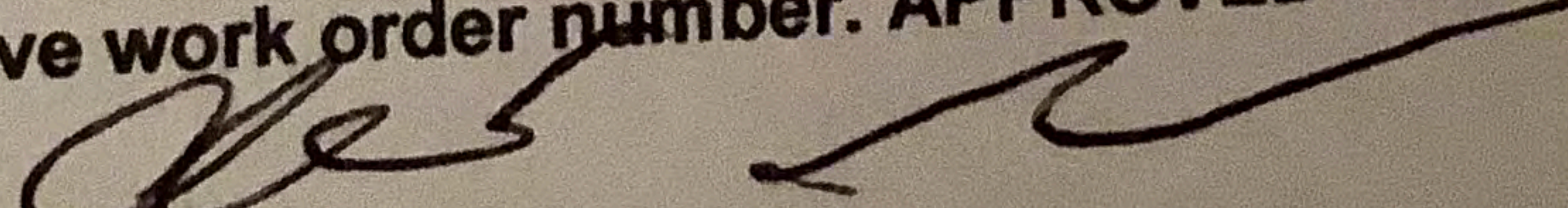
DATE

19__

HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017 Tach Time: 3876.4 TSPOH: 678.8

I certify that this propeller has been inspected I/AW an annual inspection and found to be in an airworthy condition.

The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR
RETURN TO SERVICE 

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DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFICATIONS)
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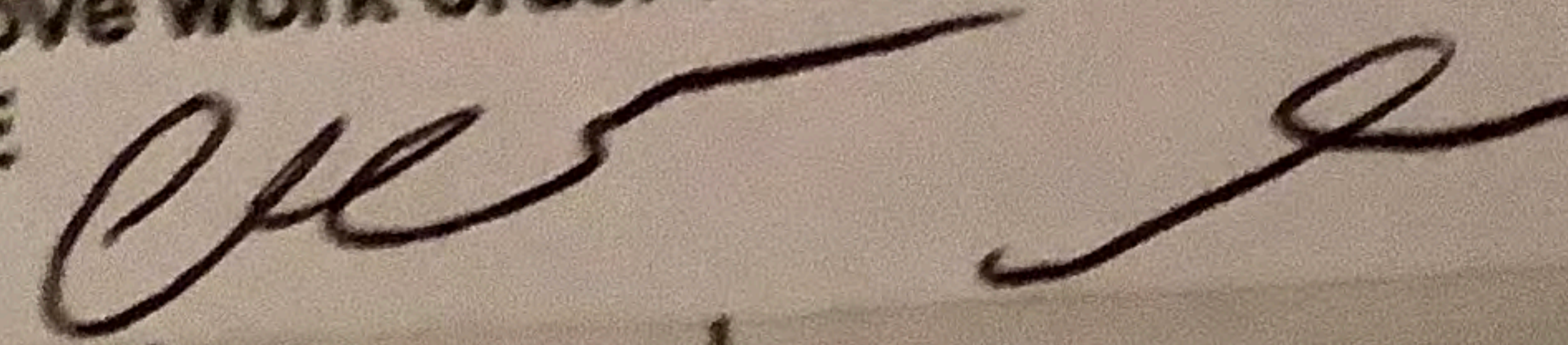
HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017

Tach Time: 3876.4 SMOH: 478.5

Changed oil and cleaned screen serviced with Aeroshell W100.
 Engine compression as follows #1 75/80 #2 72/80 #3 70/80 #4
 72/80. Engine was test run and leak checked normal. I certify
 that this engine has been inspected I/AW an annual inspection
 and found to be in an airworthy condition.

The aircraft and/or components above were repaired and
 inspected in accordance with Federal Aviation Regulations and
 are approved for return to service. Pertinent details are on file at
 this agency under above work order number. APPROVED FOR
RETURN TO SERVICE



HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-227 Date: 10/11/2017 Tach: 3877.5 Total time: 3877.5

Resealed left brake master cylinder and bled brakes operation
 checked system good. The aircraft and/or component above was
 repaired and inspected in accordance with Federal Aviation
 Regulations and approved for return to service. Pertinent
 details are on file at this agency under above work order

RECORDING
TACH
TIME

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

ENTRIES MUST BE ENDORSED WITH
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFICATIONS)

HORTON AVIATION SERVICES

FAA REPAIR STATION YHSR-284L

2732 PERIMETER ROAD, SUITE 101

N. LAS VEGAS NV 89032

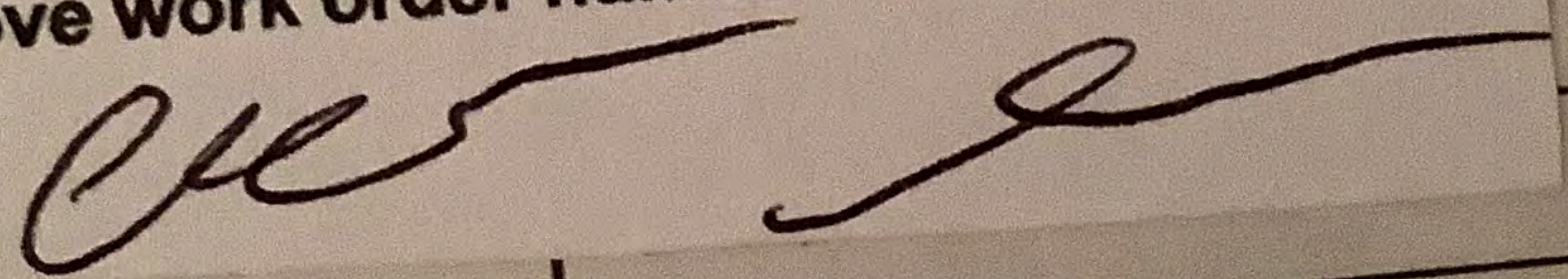
N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574

W.O. 17-150 Date: 7/1/2017

Tach Time: 3876.4 SMOH: 478.5

Changed oil and cleaned screen serviced with Aeroshell W100.
Engine compression as follows #1 75/80 #2 72/80 #3 70/80 #4
72/80. Engine was test run and leak checked normal. I certify
that this engine has been inspected I/AW an annual inspection
and found to be in an airworthy condition.

The aircraft and/or components above were repaired and
inspected in accordance with Federal Aviation Regulations and
are approved for return to service. Pertinent details are on file at
this agency under above work order number. APPROVED FOR
RETURN TO SERVICE



HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-227 Date: 10/11/2017 Tach: 3877.5 Total time: 3877.5

Resealed left brake master cylinder and bled brakes operation
checked system good. The aircraft and/or component above was
repaired and inspected in accordance with Federal Aviation
Regulations and is approved for return to service. Pertinent
details are on file at this agency under above work order

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENT
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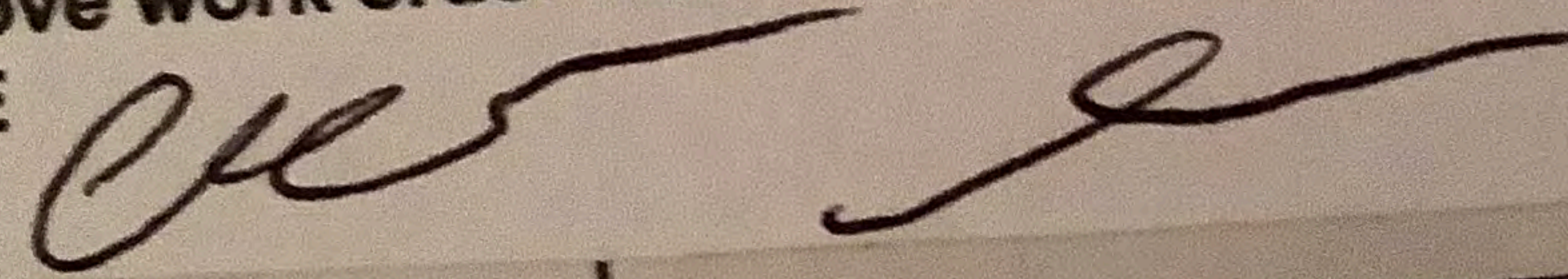
HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017

Tach Time: 3876.4 SMOH: 478.5

Changed oil and cleaned screen serviced with Aeroshell W100.
 Engine compression as follows #1 75/80 #2 72/80 #3 70/80 #4
 72/80. Engine was test run and leak checked normal. I certify
 that this engine has been inspected I/AW an annual inspection
 and found to be in an airworthy condition.

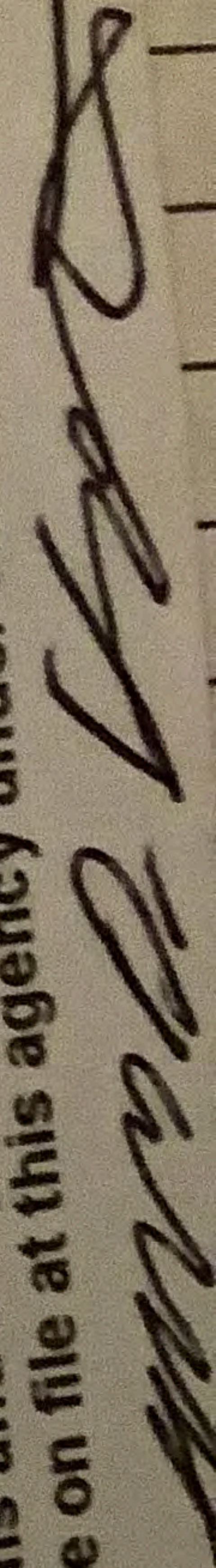
The aircraft and/or components above were repaired and
 inspected in accordance with Federal Aviation Regulations and
 are approved for return to service. Pertinent details are on file at
 this agency under above work order number. **APPROVED FOR**
RETURN TO SERVICE



HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-227 Date: 10/11/2017 Tach: 3877.5 Total time: 3877.5

Resealed left brake master cylinder and bled brakes operation
 checked system good. The aircraft and/or component above was
 repaired and inspected in accordance with Federal Aviation
 Regulations and is approved for return to service. Pertinent
 details are on file at this agency under above work order
 number.



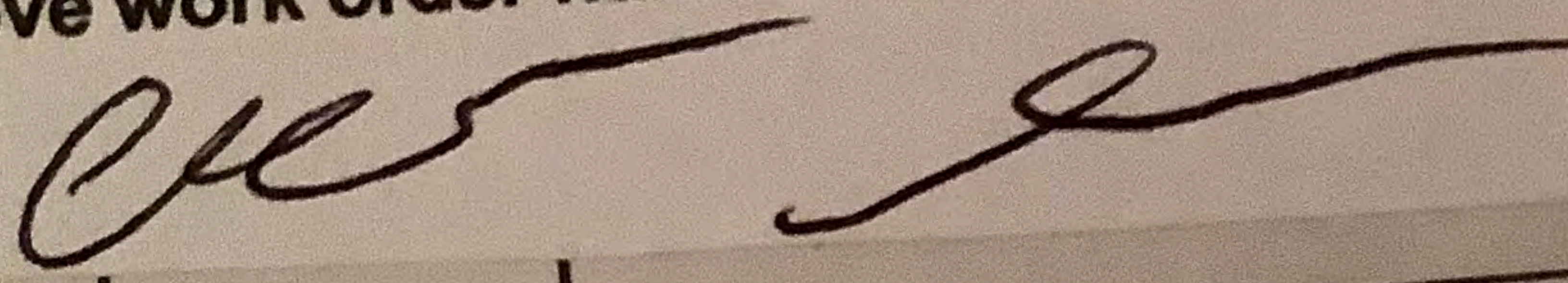
RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTION ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENT

HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

Aircraft # N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017
Tach Time: 3876.4 SMOH: 478.5

Changed oil and cleaned screen serviced with Aeroshell W100.
Engine compression as follows #1 75/80 #2 72/80 #3 70/80 #4 72/80. Engine was test run and leak checked normal. I certify that this engine has been inspected I/A/W an annual inspection and found to be in an airworthy condition.

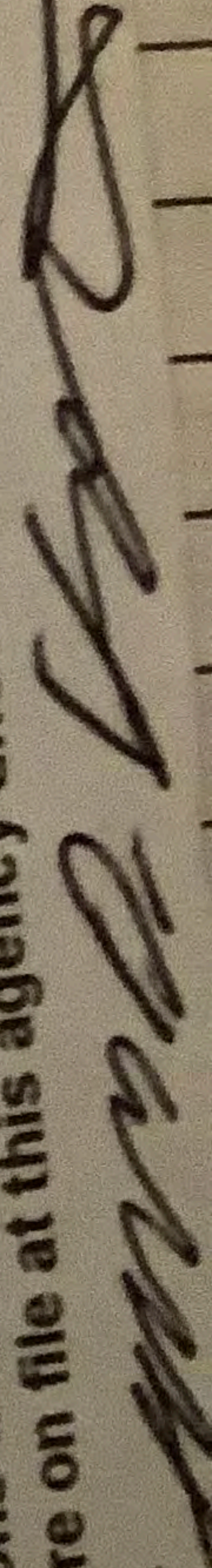
The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE



HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

Aircraft # N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-227 Date: 10/11/2017 Tach: 3877.5 Total time: 3877.5

Resealed left brake master cylinder and bled brakes operation checked system good. The aircraft and/or component above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number.



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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)
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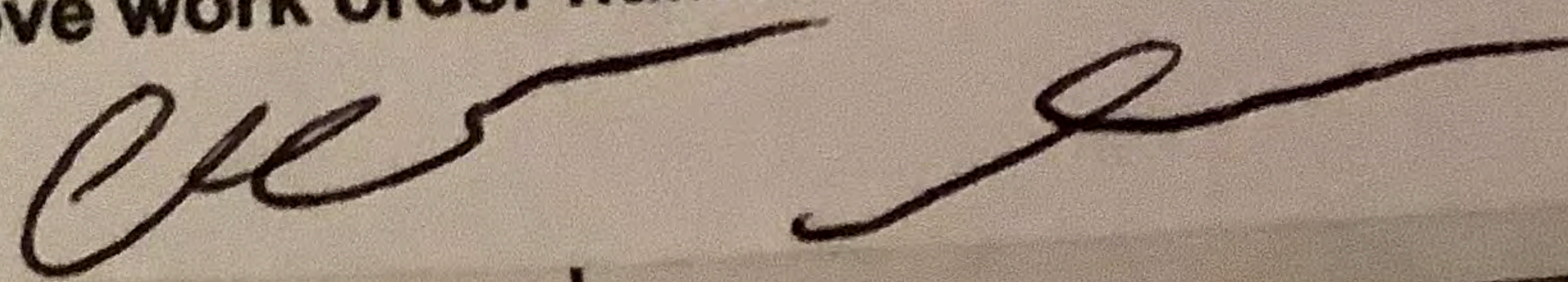
ORTON AVIATION SERVICES
AA REPAIR STATION YHSR-284L
2 PERIMETER ROAD, SUITE 101
LAS VEGAS NV 89032

N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017

Tach Time: 3876.4 SMOH: 478.5

Changed oil and cleaned screen serviced with Aeroshell W100.
 Engine compression as follows #1 75/80 #2 72/80 #3 70/80 #4 70/80. Engine was test run and leak checked normal. I certify that this engine has been inspected I/A/W an annual inspection and found to be in an airworthy condition.

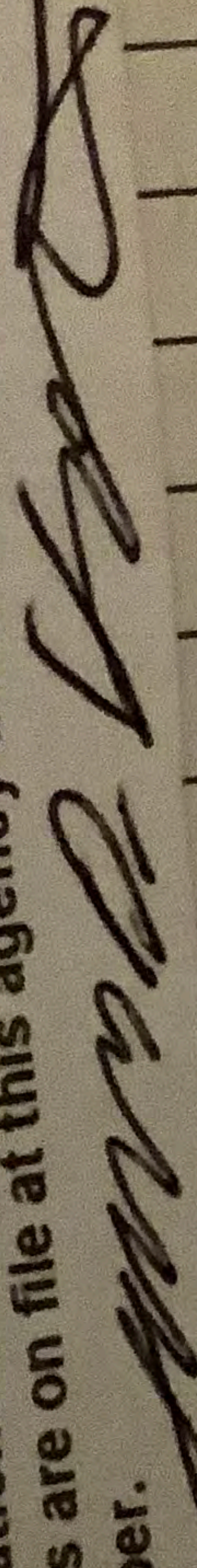
The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. **APPROVED FOR RETURN TO SERVICE**



ORTON AVIATION SERVICES
AA REPAIR STATION YHSR-284L
2 PERIMETER ROAD, SUITE 101
LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-227 Date: 10/11/2017 Tach: 3877.5 Total time: 3877.5

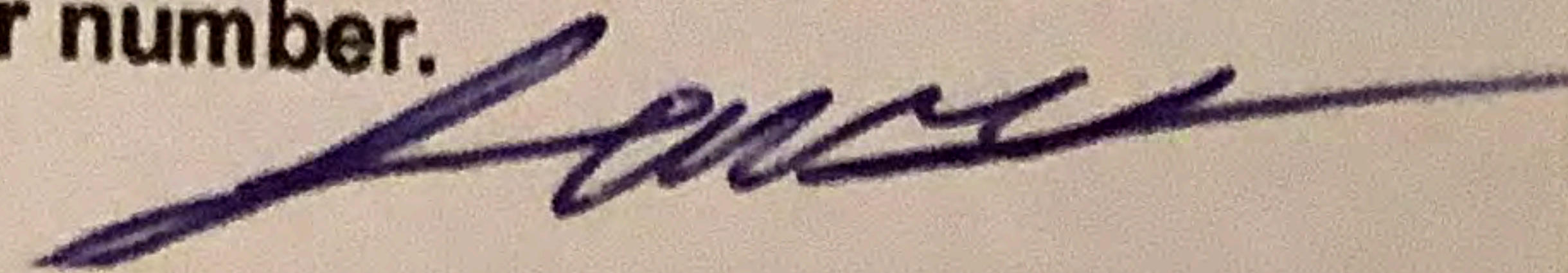
Resealed left brake master cylinder and bled brakes operation checked system good. The aircraft and/or component above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number.



N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-319 Date: 12/11/2017 Tach: 3886.2 Total time: 3886.2

SECURED SCAT DUCT, ADJUSTED COWL FLAPS, REPLACED
UPPER COWL MOUNT, SECURED #1 VOR INDICATOR AND
CONNECTOR, UPDATED GPS MAIN AND WAAS SOFTWARE,

The aircraft and/or component above was repaired and
inspected in accordance with Federal Aviation Regulations and
is approved for return to service. Pertinent details are on file at
this agency under above work order number.

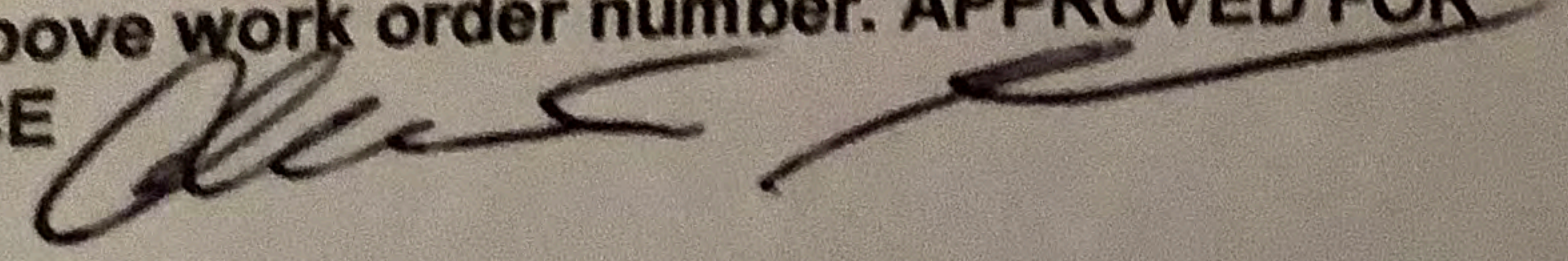


HORTON AVIATION SERVICES
FAA REPAIR STATION YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574
W.O. 17-150 Date: 7/1/2017 Tach Time: 3876.4 Total time: 3876.4

Installed new cigar lighter with USB outlets. Replaced right landing
light. Secured JPI harness at engine compartment. Replaced
vacuum system filters. Replaced induction system filter. Inspected
ELT I/AW FAR 91.207 (d) and found to be in satisfactory condition.
Complied with AD 2015-19-07 fuel injector lines, and AD 2011-10-09
seat and rail inspection reference attached AD compliance log for
details. I certify that this airframe has been inspected I/AW an
annual inspection and found to be in an airworthy condition.

The aircraft and/or components above were repaired and
inspected in accordance with Federal Aviation Regulations and
are approved for return to service. Pertinent details are on file at
this agency under above work order number. APPROVED FOR
RETURN TO SERVICE



IONS, TESTS, REPAIRS AND ALT
ED WITH NAME, RATING AND CERTIFICAT
ILITY. (SEE BACK PAGES FOR OTHER SPEC

Lined area for additional notes or signatures.

COMING

CLASSIC AIRWORKS

0-360

7900 BALBOA BLVD. HANGAR G9

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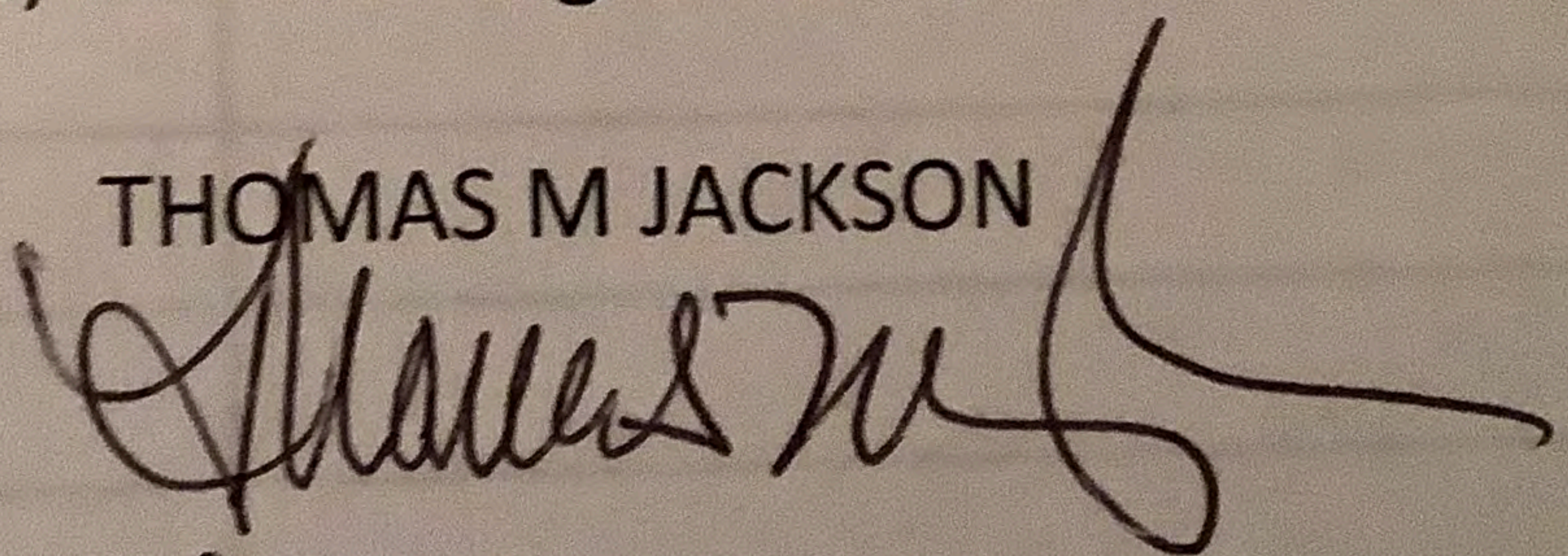
VAN NUYS CA. 91406

ACH 3922.3

818-424-1131

removed cowling for high oil temp. Found magneto timing incorrect. Single drive dual magneto removed for 500 hour inspection and repair by Aero Accessories. Oil and filter changed this date. Shell 100W. Cleaned oil cooler fins, washed engine compartment and test run and leak checked ok

THOMAS M JACKSON



AP2790111

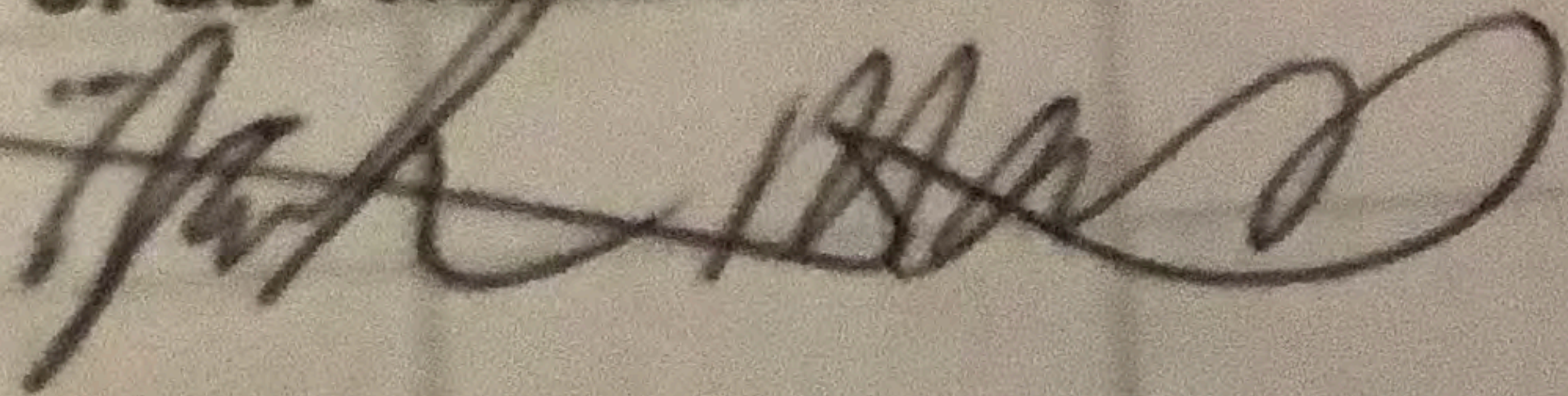
DATE

TOTAL

REFERENCE OF MAJOR REPAIRS AND MAJOR
ORDER BY NUMBER

HORTON AVIATION SERVICES FAA REPAIR STATION YHSR-284L 2732 PERIMETER ROAD, SUITE 101 N. LAS VEGAS NV 89032 N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574 W.O. 19-191 Date: 10/17/2019

Tach Time: 3988.0 Total time: 3988.0 Removed and Replaced all upper interior plastics, painted and trimmed to fit, Removed and replaced Altimeter, P/N on 5934P-1, S/N on 3F059, Removed and replaced pilot's door handle and hardware, replaced cabin speaker, lube co-pilot's door hardware, and replaced armrest, prepped A/C for NDT on carry-thru spar IAW sel-5707, replaced sunvisor with Rosen sunvisor system, Replaced vacuum system filters. Replaced induction system filter. Inspected ELT I/AW FAR 91.207 (d) and found to be in satisfactory condition. Complied with AD 2015-19-07 fuel injector lines, and AD 2011-10-09 seat and rail inspection reference attached AD compliance log for details. I certify that this airframe has been inspected I/AW an annual inspection and found to be in an airworthy condition. **The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE**



TOTAL
TIME IN
SERVICE

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATION
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE A

May 09, 2020

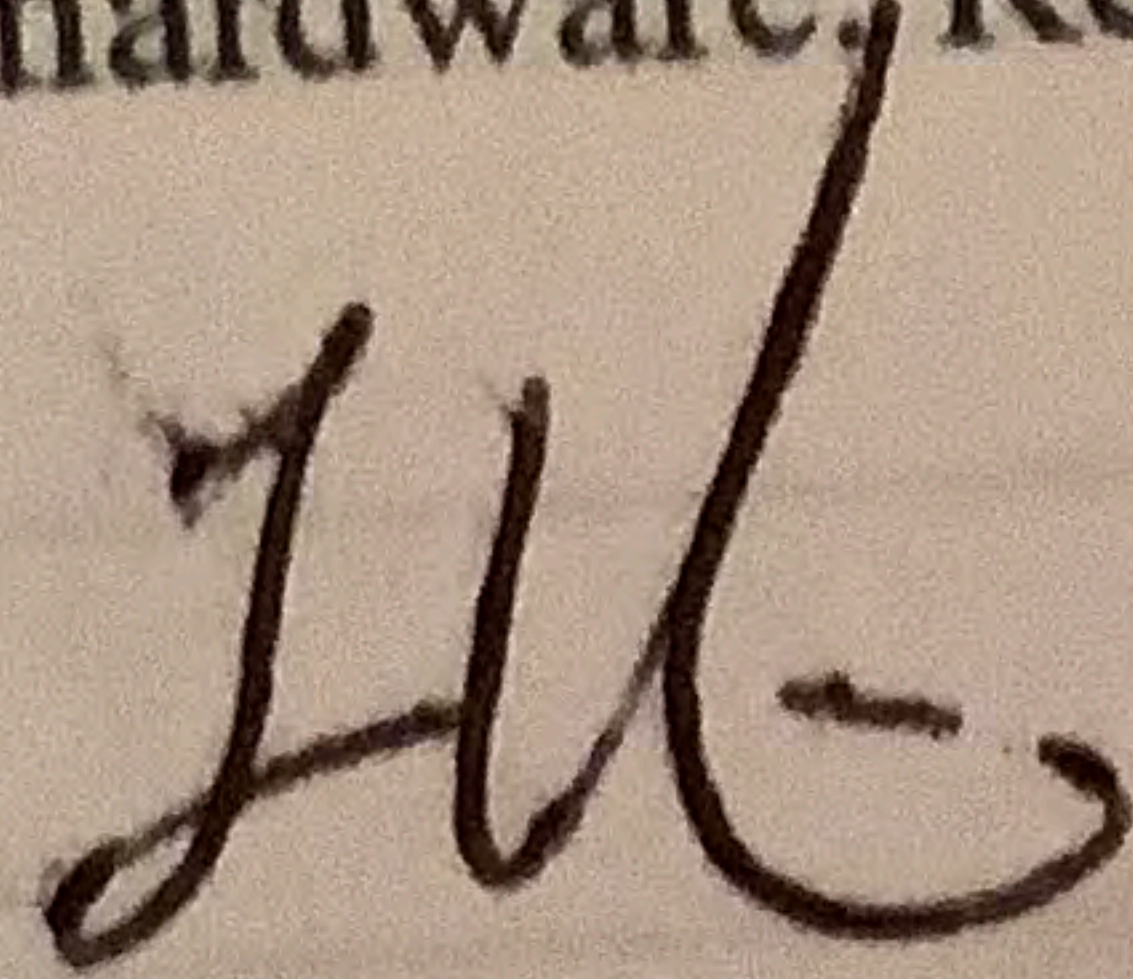
N2174Q, TACH 4041.90

C177RG 177RG0574

Removed left cabin door striker and replaced with repaired assy DSP-C177. Installed with new cover plate and new hardware. Replace all firewall mounted cowl isolators. Replace all top cow fasteners and bases.

Timothy J Kline

A&P 2670751 I.A.



May 09, 2020

N2174Q, TACH 4041.90 SMOH 0644

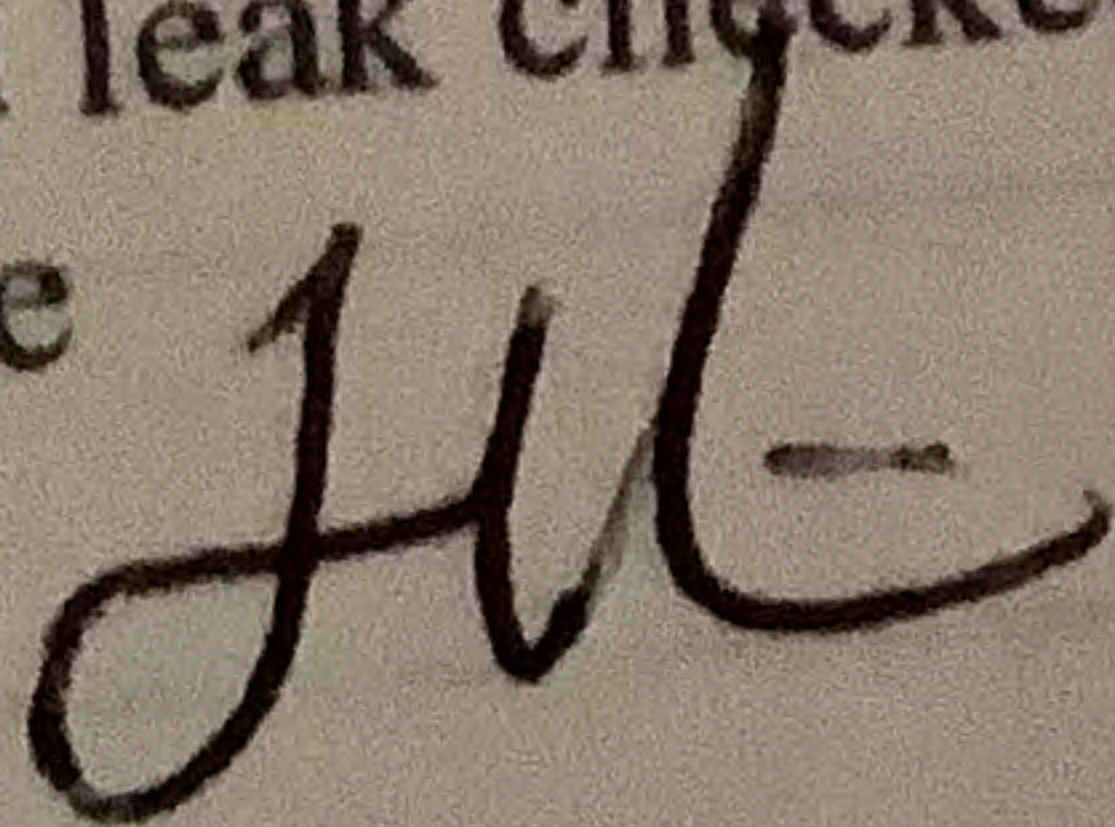
Lyc IO-360-A1B6D L-12374-51A

Drained engine oil and removed filter screen, serviced with 8qts AS100+, filter screen clean installed.

Ground run and leak checked good.

Timothy J Kline

A&P 2670751



Airframe

Logbook Entry Date:

11/05/2020

Aircraft Reg: 2174Q **Aircraft Type:** Cessna 177RG **Aircraft S/N:** 177RG0574

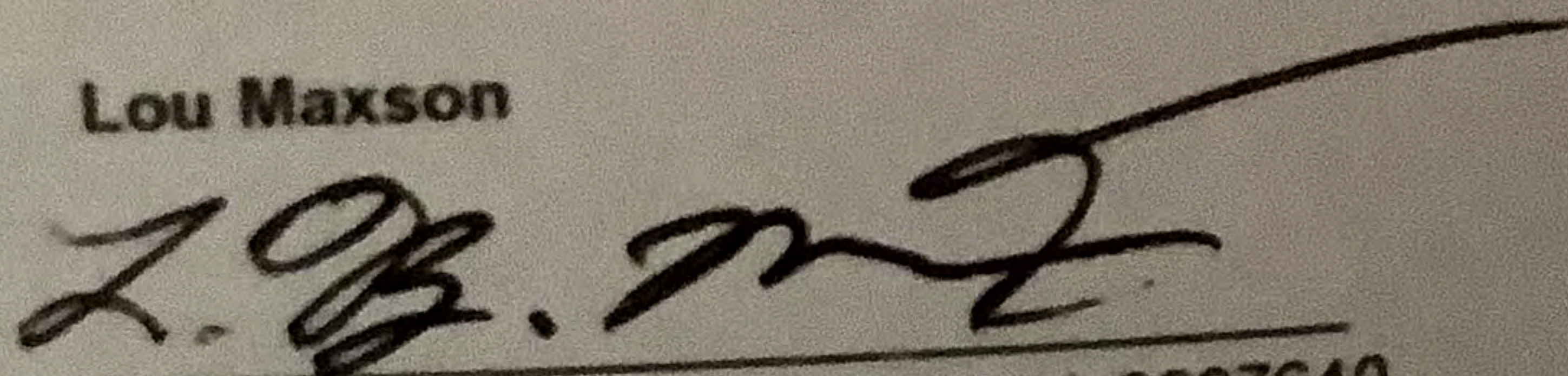
Tach: 4079.9 **Hobbs:** 2640.1 **AFTT:** 4079.9

Description of work completed:

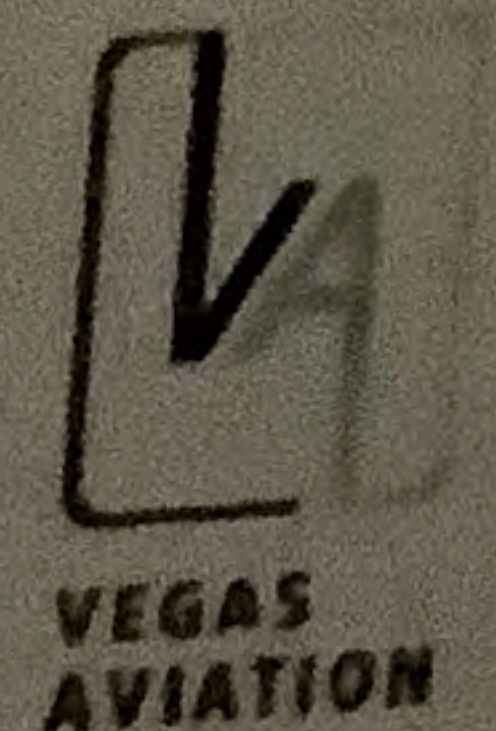
1. Accomplished Annual inspection ; Complied with Annual inspection requirements per FAR Part 43, Appendix D using Cessna 177RG service manual checklist
2. Fuel Gascolator filter was inspected, cleaned, and reinstalled. Leak check good.
3. Accomplish successful landing gear test and emergency gear extension test, no defects noted
4. Complied with lubrication requirements throughout airframe and landing gear.
5. Inspected ELT in accordance with the requirements of FAR section 91.207(d) and was found to be in satisfactory condition.
6. Cleaned and repacked wheel bearings
7. complied with AD 2011-10-09 seat rail inspection
8. complied with AD 2015-19-07 fuel injector lines

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the Cessna 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Lou Maxson



Certification Number: A&P/IA 2697640



Airframe

Logbook Entry Date:

02/01/2021

Aircraft Reg: N2174Q

Aircraft Type: CESSNA 177RG

Aircraft S/N: 177RG0574

Tach: 4102.8

Hobbs: 2667.1

N/A: _____

Description of work completed:

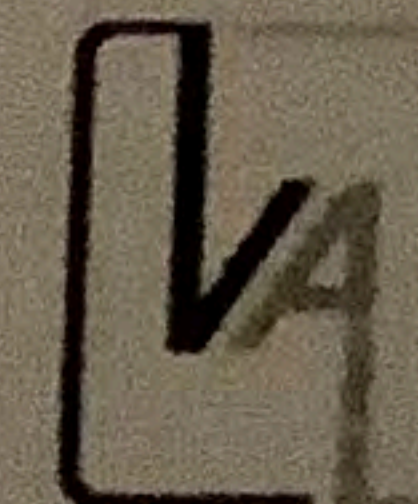
1. Removed and Replaced pitot heat switch with new P/N:TA201-TW-B. ops check good.

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the CESSNA 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Esaias Martinez

Esaias Martinez

Certification Number: A&P 4416106



**VEGAS
AVIATION**

**MANUFACTURERS MANDATORY SERVICE BULLETINS
CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMP**

**HORTON AVIATION SERVICES FAA REPAIR STATION YHSR-
284L 2732 PERIMETER ROAD, SUITE 101 N. LAS VEGAS NV
89032 N# N2174Q MFG. CESSNA MODEL C177RG S/N
177RG0574 W.O. 23-246 Date: 10/12/2023 Tach Time:4218 C/W
AD 2023-02-17 IAW PARAGRAPH (L) SECTIONS 1,2,4. SEL-57-07
WAS COMPLETED IAW STEP 1-14 IN SECTION LABELED
ACCOMPLISHMENT INSTRUCTIONS ON 10-17-2019 AT TACH
3988.0 The aircraft and/or components above were repaired
and inspected in accordance with Federal Aviation Regulations
and are approved for return to service. Pertinent details are on
file at this agency under above work order number. APPROVED
FOR RETURN TO SERVICE**

Jan Hart ET

Empty Weight	Empty CG	Useful Load	Remarks
ANNUAL -		7 MAR 2022	564
Auto pilot repair			

HORTON AVIATION SERVICES FAA REPAIR STATION YHSR-284L 2732 PERIMETER ROAD, SUITE 101 N. LAS VEGAS NV 89032 N# N2174Q MFG. CESSNA MODEL C177RG S/N 177RG0574 W.O. 22-145 Date: 07/13/2022 Tach Time: 4167.1

Repaired wiring at auto pilot disconnect switch, checked roll and pitch servos good, operation checked system good.

The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE

James D. Horton

Current Weight and Balance Information

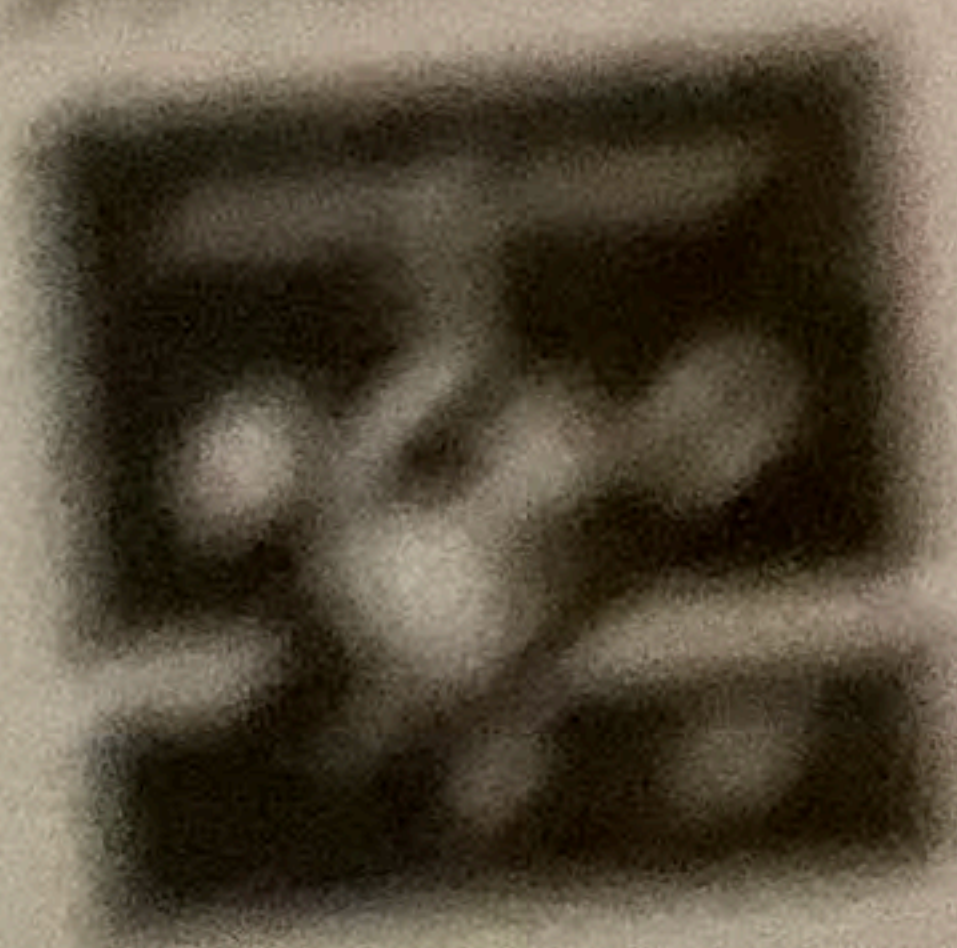
THIS REPORT WAS PREPARED BY THE BUREAU OF METROLOGY AND WEIGHTS AND MEASURES, DEPARTMENT OF COMMERCE, ON THE BASIS OF THE DATA FURNISHED BY THE STATE OF CALIFORNIA.

THE STATE OF CALIFORNIA HAS A LONG HISTORY OF METROLOGICAL ACCURACY AND THE BUREAU OF METROLOGY AND WEIGHTS AND MEASURES HAS BEEN A LEADING AGENCY IN THE FIELD OF METROLOGY SINCE 1907.

THE BUREAU OF METROLOGY AND WEIGHTS AND MEASURES HAS BEEN A LEADING AGENCY IN THE FIELD OF METROLOGY SINCE 1907. THE BUREAU OF METROLOGY AND WEIGHTS AND MEASURES HAS BEEN A LEADING AGENCY IN THE FIELD OF METROLOGY SINCE 1907.

The above described copy of the report is a reproduction of the original report and is not a certified copy. The original report is on file in the Bureau of Metrology and Weights and Measures, Department of Commerce, Washington, D.C.

DEPARTMENT OF COMMERCE
BUREAU OF METROLOGY AND WEIGHTS AND MEASURES



[Signature]
Special Agent in Charge
BUREAU OF METROLOGY AND WEIGHTS AND MEASURES
WASHINGTON, D.C.

NO. 100-100000
JAN 10 1960

TOTAL
TIV
SE

Current Weight and Balance Information

REG: N2174Q MAKE: CESSNA MODEL: 177RG S/N: 177RG0574 TAC: 4142.2 HOBBS: 2714.4

I CERTIFY THAT THE ALTIMETER, AIR DATA, AUTOMATIC PRESSURE ALTITUDE REPORTING, DATA CORRESPONDENCE AND STATIC PRESSURE SYSTEM TESTS REQUIRED BY 14 CFR PART 91.411 AND THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY 14 CFR PART 91.413 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH 14 CFR PART 43 APPENDIX E AND F.

ALTIMETER P/N: 5934P-1 S/N: 3F059 TESTED TO 20,000 FEET ON 4/21/2022.

ENCODER P/N: 120P2T S/N: 43011 TESTED TO 20,000 FEET ON 4/21/2022.

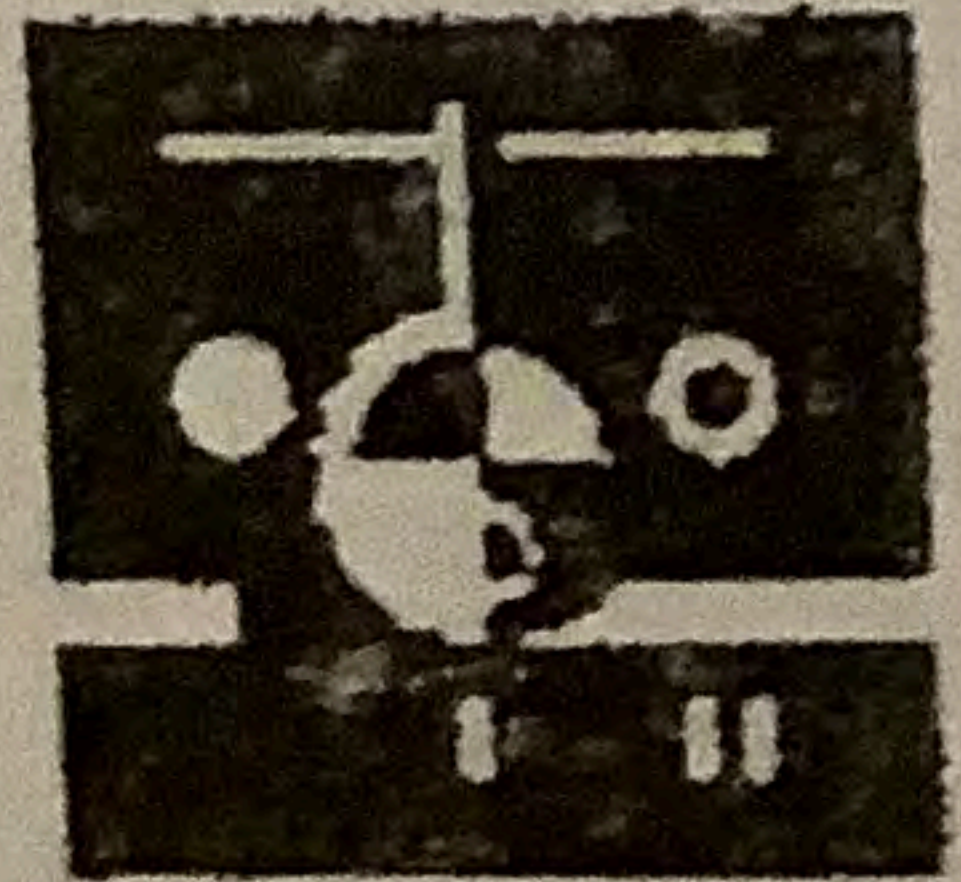
GTX 345 TRANSPONDER S/N: 22 3EG022212 TESTED TO 20,000 FEET ON 4/21/2022.

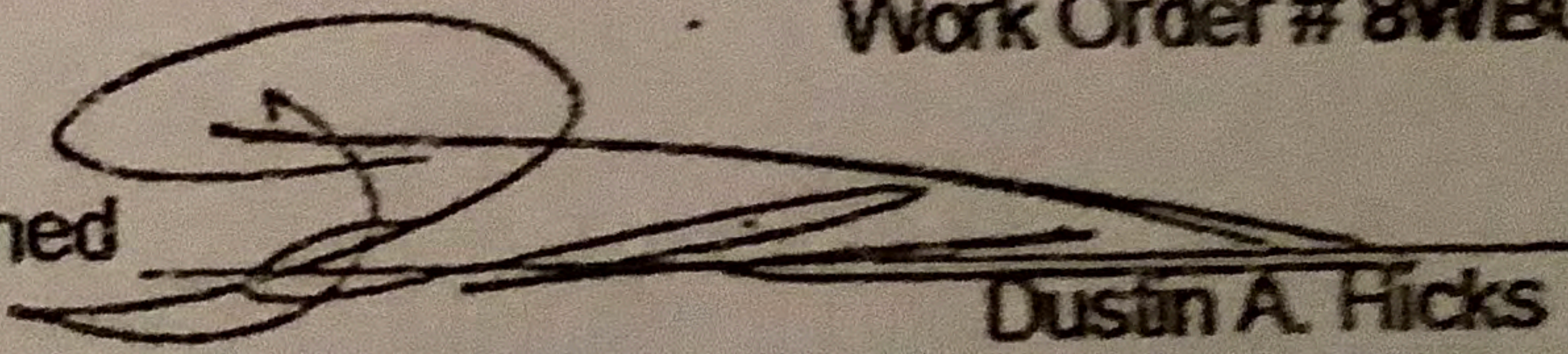
THE ENCODER DATA CORRESPONDENCE WAS TESTED TO 20,000 FT. ON 4/21/2022.

THE STATIC PRESSURE SYSTEM WAS TESTED AND INSPECTED ON 4/21/2022.

The above described Repair or Maintenance is approved for return to service. Pertinent details of this Repair/Maintenance are on file at this Repair Station under Work Order # 8WB0A.

DUNCAN
AVIATION



Signed 

DUNCAN
012553

Date: 4-21-2022

Duncan Aviation Inc. Reid Intl Airport Las Vegas, NV
CRS# JG0R164N

702-262-6142

04/21/2023

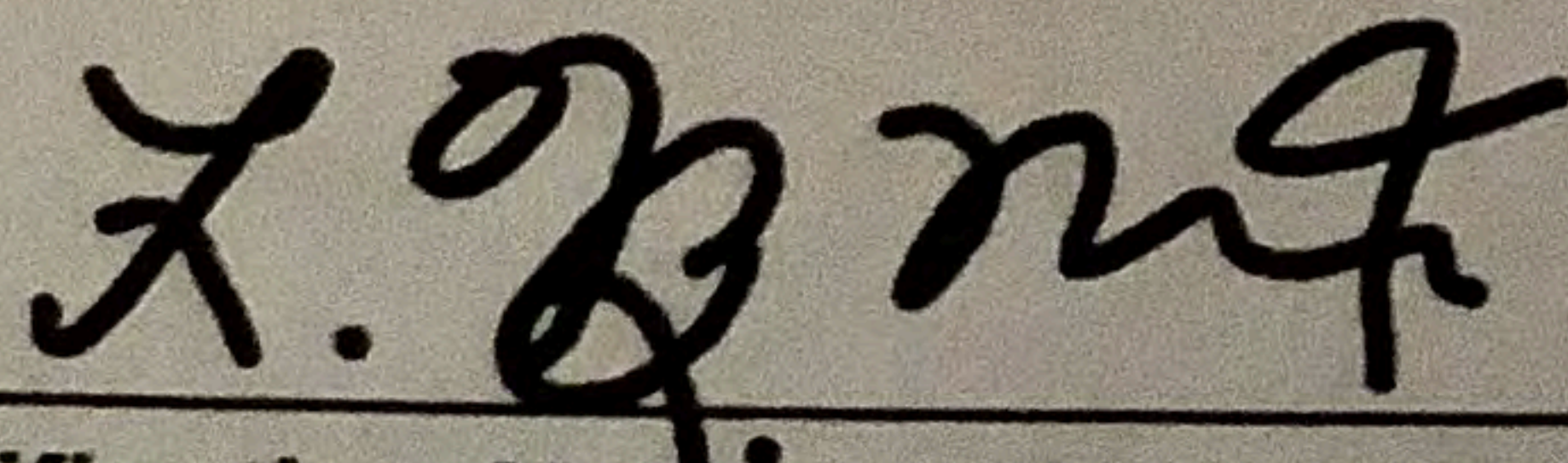
Aircraft Reg: N2174Q Aircraft Type: CESSNA 177RG Aircraft S/N: 177RG0574
Tach: 4191.5 Hobbs: 2766.1 AFTT: 4191.5

Description of work completed:

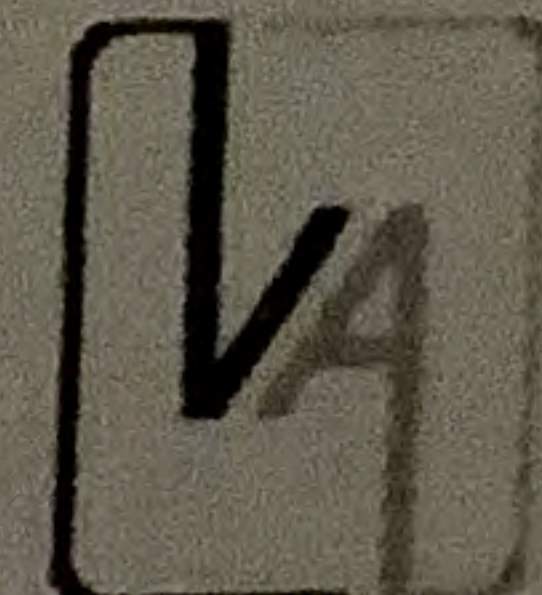
1. Complied with Annual inspection requirements per FAR Part 43, Appendix D using Cessna 177RG service manual checklist.
2. Fuel Gascolator filter was inspected, cleaned, and reinstalled. Leak check good.
3. Accomplish successful landing gear test and emergency gear extension test, no defects noted
4. Complied with lubrication requirements throughout airframe and landing gear.
5. Inspected ELT in accordance with the requirements of FAR section 91.207(d) and was found to be in satisfactory condition
Battery due 12-2025.
6. Cleaned and repacked wheel bearings
7. Removed and Replaced Air filter with new Brackett Aero BA-5705. ops check good.
8. Removed and Replaced Fire extinguisher with new Halon fire extinguisher 1.25 LB P/N: A334T.
9. Removed and Replaced baffling to exhaust scat tubing with new Scat-8 Ducting 2' P/N: OPS8X144. ops check good.
10. complied with AD 2011-10-09 (seat frack) by inspection in accordance with paragraph (g), next due tach time 4291.5
11. complied with Textron SEL-28-10 (Fuel Strainer Bowl) by inspection in accordance with paragraph (3), next due Tach time 4291.5 or 4-21-2023 whichever comes first.

I certify that the maintenance and inspection performed on this aircraft were accomplished in accordance with the CESSNA 177RG Maintenance Manual and acceptable maintenance practices. This aircraft is airworthy and approved for return to service with respect to the work and inspections accomplished.

Lou Maxson



Certification Number: A&P/IA 2697640



VEGAS
AVIATION

04/21/2023

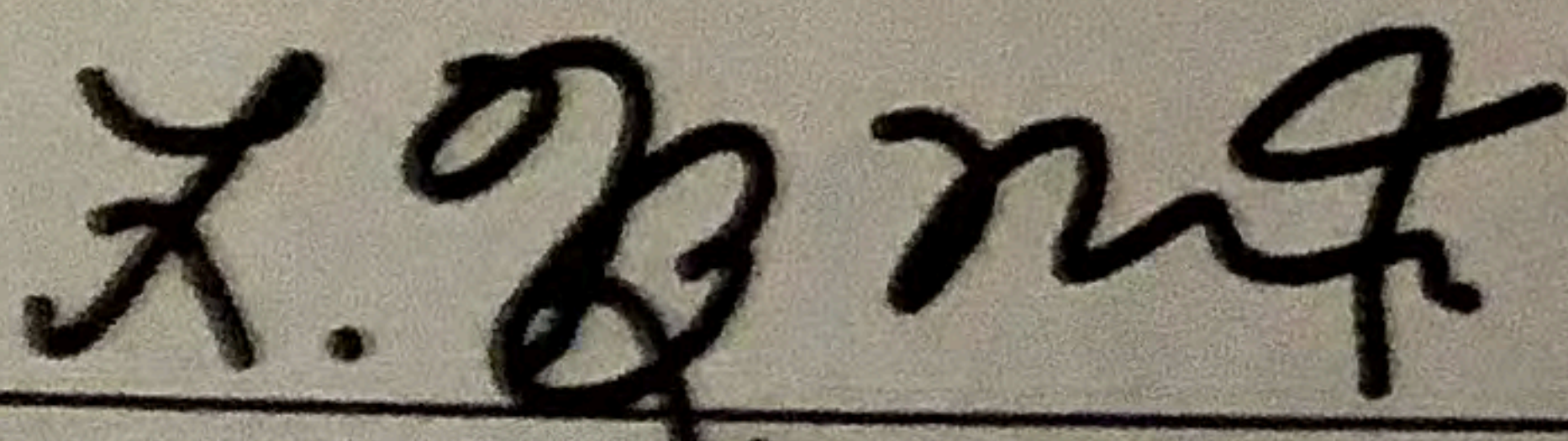
Aircraft Reg: N2174Q Aircraft Type: CESSNA 177RG Aircraft S/N: 177RG0574
Tach: 4191.5 Hobbs: 2766.1 AFTT: 4191.5

Description of work completed:

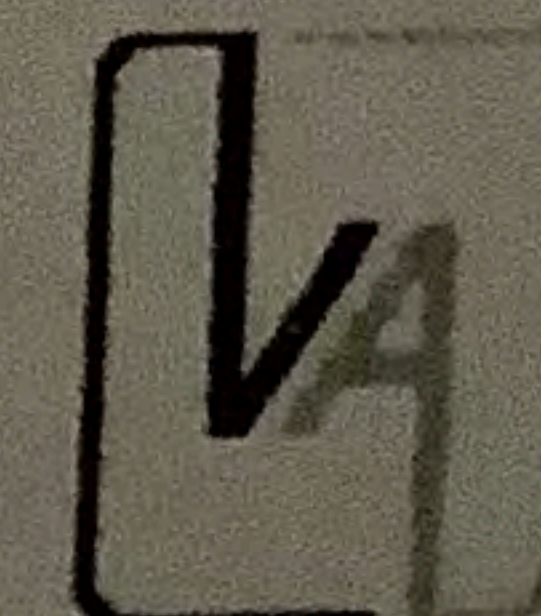
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Lou Maxson



Certification Number: A&P/IA 2697640



VEGAS
AVIATION