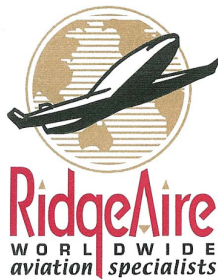


# N505RA

## 2016 Cessna Turbo 206H

---

# Engine Logbooks (2016-2025)



MSN: T20609213

*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*





## ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T20609213

N505RA (3.10.17)  
~~N932CT~~

ENGINE MODEL AND SERIAL T10-540-AJ1A

L-14220-61E

D5518-3-13



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2015				
10/08	0	0		

## New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

**LYCOMING**

Part Number: ENPL-RT10658  
 Serial Number L-14220-61E  
 Engine Model TIO-540-AJ1A  
 Work Order AR617493  
 Total Time 0 New

*[Signature]* 10/8/15  
 Authorized Representative Date

Production Certificate #3  
 652 Oliver Street Williamsport, PA 17701 U.S.A  
 Lycoming Engines is a division of Avco Corporation

Form 777C Rev 05/13



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Total Engine HRS	Total Prop Hrs
T20609213	9213	N932CT	Dec. 08, 2016	IDP	10.6	10	10.6	10.6

Engine Model **TIO-540-AJ1A** Serial Number **L-14220-61E** has been installed on aircraft S/N **T20609213**  
 with TTAF **10.6** TTSN was **10.6**

This engine serviced with 11 qts Phillips Aviation Oil Type XC20W50 and Champion CH48140-1 filter.

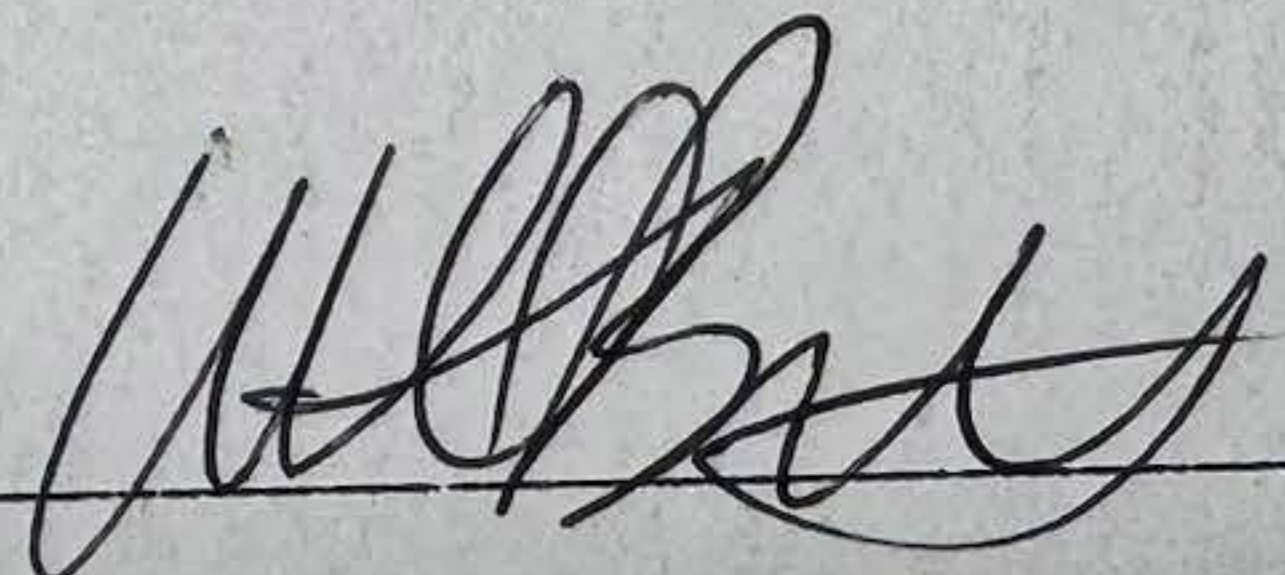
Work Performed by <b>CESSNA AIRCRAFT COMPANY</b> Certificate No. <b>PC-4</b> Date <b>Dec. 08, 2016</b>	
I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration	
Work Inspected by 	Date <b>Dec. 08, 2016</b>
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable	

1-4-2016

N932CT

Tach: 25.0

Change oil and filter service with 10 quarts XC20W-50.

W. Butler 3172474A&P 

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE
------	-----------------------	-----------------------------------	----------------------



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
6/14/16	75	3	changed oil and filter xCR 20-50 and 48110 Filter	Will Butler 3172474AHP

Date: 12/10/2017 Hours: 136.7(HOBBS)

Tail#: N505RA

Make: Lycoming

Model: TIO-540AJ1A

S/N: L-114220-61E

Checked Compressions

1=78 2=79 3=79 4=80 5=78 6=80

Changed oil and filter serviced with 11 quarts Phillips X/C 20-50 and AA48110 oil filter

Checked magneto to engine timing.

Installed quick drain oil plug

Pressure checked cabin heat muff

Cleaned and gapped spark plugs

Adjusted full power manifold pressure

I certify that this engine has been inspected and serviced in accordance with a 100/hr inspection and was determined to be in airworthy condition at this time.

Name: William Butler

Cert: A8P8172474

Co:

Sign:

*Will Butler*



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Date: 09/11/2018      Hours: 187.7(HOBBS)      Tail: N505RA  
 Make: Lycoming      Model: TIO-540AJ1A      S/N: L-25415-36A  
 Name: William Butler      Cert: A&P3172474  
 Co:      Signed: *W Butler*

Change oil and filter service with Phillips X/C 20-50 and AA48110 Filter

10/18/2018      N505RA      Lycoming TIO-540-AJ1A S/N L-14220-61E      Engine Logbook

Hobbs Hours: 188.6 :: Engine TT: 188.6

Completed 100 Hour inspection in accordance with manufacturers inspection procedures manual.

AD15-19-07: C/W by inspection per AD of fuel lines and clamps

AD 17-10-10: C/W by verifying torque of exhaust flange hardware per AD

Checked Compressions 1=76 2=75 3=76 4=75 5=75 6=75

Checked Magneto to engine timing 20degrees BTDC

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed *William Butler*  
William Butler A&P3172474IA



DATE

H

**BROADIE'S AIRCRAFT**

Meacham International Airport

4701 N. Main St., Loc 44N, Fort Worth, Texas 76106

817-626-1532 www.BroadiesAircraft.com

**SUPPLEMENTAL LOG BOOK ENTRY**

Aircraft Registration # N505RA S/N: T20609213

Engine: TCM TIO-540-AJ1A S/N: L-14220-61E

Description of work performed: Engine

ETT	190.2
TACH	171.3
HOBBS	190.1

- 1 Drained engine oil and obtained oil sample. Removed, cut open and inspected ext. spin-on oil filter. No defects or anomalies noted at this time. Installed new spin-on oil filter, P/N:CH48110-1. Serviced engine with qty. 11 qts of Phillips X/C 20W-50 oil. Requires engine run up and op's check. Performed engine run up and leak check with no defects noted at this time.
- 2 C/W AD2017-11-10 by Visual Inspection of exhaust system, following Lycoming MSB627-E. Also noted #3 cylinder exhaust riser assembly to be cracked at saddle re-enforced weld joint. Accessed and removed exhaust system and #3 cylinder riser assembly. Installed exhaust system with a new cylinder #3 riser assembly, P/N:40B23388 and gaskets, P/N:LW18234 and P/N:78246. IAW Lycoming MSB627E and AD2017-11-10. Performed engine run up and op's check good.
- 3 Upon removal of turbo outlet elbow and completing internal turbo center housing and discharge housing visual inspection, no blow-by or oil seepage noted internally. Cleaned off residual oil residue and restored turbo outlet elbow.
- 4 Cleaned and gapped upper spark plugs to be within limits. Installed upper spark plugs using new gaskets, P/N:M674. Lycoming SI-1042AF. Performed engine run up and op's check with no defects noted.
- 5 Found #4 cylinder EGT probe to have a broken wire. Replaced #4 cylinder EGT probe with new Probe, P/N:86317. #4 Cylinder EGT indication/op's check now normal.
- 6 Performed engine cylinder compression check after engine run up was completed. Cylinder compressions were as follows: Cylinder 1:75/80, Cyl 2:74/80, Cyl 3: 74/80, Cyl 4:73/80, Cyl 5:77/80, Cyl 6:74/80. Ref. Lycoming SI 1191A. Compression tester ID #132.

All work was done IAW the manufacturers service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature:

Repair Station # WF1R582K

Date: 10/29/2018

**Beechcraft****LYCOMING**

Repair Order # 18-002864

SIGNATURE,  
TE TYPE  
BER



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

N # N505RA  
Model # TIO-540-AJ1A  
Seral # L14220-61E



Date: 1-4-2019  
Hobbs: 250.9  
Tach: 222.7

Corporate Air Center LLC, 15452 Airport Dr. Burlington, WA. Ph 360-757-7757 [www.corporateaircenter.com](http://www.corporateaircenter.com)

Accomplished 50 Hr. Insp per Cessna 206H maintenance manual, Drained oil and replaced filter with new Champion CH48110-1, no metal in filter. Serviced with 11 Qt Phillips 20W50XC. No leaks, Inspected exhaust, no cracks, tightened flange nuts. End.

Emitt Hamm, A&P 3136043 IA

## N505RA ENGINE LOGBOOK ENTRY

Date: 3-4-2019 Hobbs: 267.7 TTE: 267.7 TSNEW: 267.7  
Installed Tanis preheat system PN# TSP6CYL-2927-115 PER STC SE03309CH. Secured wiring using supplied plastic zip ties and griplock rubber lined zip ties. See FAA form 337 dated 3-4-2019.  
Kyle G. Fosso  
A&P 3790199

# MAINTENANCE RECORD

IGNATURE,  
E TYPE



# MAINTENANCE RECORD

DATE	TOTAL IN SERVICE HOURS
------	------------------------------

N # N505RA  
Model # TIO-540-AJ1A  
Seral # L14220-61E



Date: 5-6-2019  
Hobbs: 301.4  
Tach: 273.2

SIGNATURE,  
E TYPE  
BER

Corporate Air Center LLC, 15452 Airport Dr. Burlington, WA. Ph 360-757-7757 [www.corporateaircenter.com](http://www.corporateaircenter.com)

Accomplished 50 Hr. Insp per Cessna 206H maintenance manual, Drained oil and replaced filter with new Champion CH48110-1, no metal in filter. Serviced with 11 Qt Phillips 20W50XC. No leaks, Inspected exhaust, no cracks, tightened flange nuts IAW Lycoming SB 627E part 2. End.

Emitt Hamm, A&P 3136043 IA

**7/3/2019 HOBBS 316.1 N505RA CESSNA T206H S/N T20609213** Changed oil and filter with Phillips 20/50. Cut open filter for inspection and found no anomalies.. Engine run-up checked good. Aircraft returned to service-----END-----William D Mutter  
IA551293384



# MAINTENANCE RECORD

DATE

TOTAL TIME  
IN SERVICE

HOURS 10THS

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
• NUMBER

## N505RA ENGINE LOGBOOK ENTRY

9-13-2019 Hobbs: 327.5 TTE: 327.5

Install Electroair EIS-61000 Electronic ignition system and spark plugs per STC# SA03286CH in place of left magneto.

Install remote oil drain EATON E-Z DRAIN # AE80664H FAA PMA add additional drain tube per minor modification.

Replace exhaust system per Lycoming service bulletin no# 627E

Part # 05J28883 AD# 2017-11-10 has been complied with.

AD# 2003-14-03 N/A by pump PN

AD# 2015-19-07 Inspected.

Diagram No. 24- TIO-540-AJ1A

*[Signature]*  
A/P 3790199



## MAINTENANCE RECORD

DA

URE,  
E



Make: Lycoming  
Model: TIO-540-AJ1A  
S/N: L14220-61E

TacAero 45 Airport Way,  
Dallesport WA, 98617  
Phone: (844) FLY - CUBS ext: 706

Date: 11/1/2019  
TACH: 394.4  
HOBBS: 456.0  
TTSN: 394.4

### Engine

Performed an Annual Inspection I.A.W Cessna T206H Maintenance Manual, Lycoming Service Instructions and Cessna 206 100 HR. Check List. Engine controls checked for security, Travel and proper operation. Engine Oil and Filter changed. Oil Screen and Filter Media inspected for contamination, none found. Installed Champion P/N 48110-1 Oil Filter. Engine serviced with (12) Qts. Phillips 20/W50 XC Oil and 12 Oz. of Cam Guard Engine Treatment. Oil Sample taken @ this time for Lab Analysis. Complete Report included with Aircraft permanent Records. Engine Differential Compression: #1 78/80 #2 76/80 #3 76/80 #4 74/88 #5 76/80 #6 78/80. Spark Plugs removed, cleaned, inspected and re-installed (Fine Wire Plugs) incorporated on Electronic Ignition side of System. Replaced Crankshaft Oil Seal with "new" Installed Lycoming P/N LW-13792 Oil Seal. Replaced Alternator Belt @ this time. Installed Cessna P/N 430K4 Belt. In troubleshooting inoperative Oil Temperature reading From Garmin G1000 - Replaced intermittent Oil Temperature Probe with "New" Installed Rochester P/N 3080-37 Oil Temp. Probe. Found "un-connected" Ground Lead going to GEA 71 @ Firewall. Re-established Ground. Oil Temp. Operational check good. Lubricated Turbo Charger Waste Gate Controller per Lycoming Engines Service Instructions. All V-Band Clamps Saftied @ this time. C/W AD 2017-11-10. Engine Exhaust System Inspected per AD and Lycoming Mandatory Service Bulletin No. 627E. No issues noted @ this time. Next Inspection due @ TACH: 494.4 or Annual Inspection. Complete list of all Engine Airworthiness Directives included in Aircraft Permanent Records. Aircraft operational & leak check good.

I certify that this Engine has been inspected I.A.W an annual inspection & determined to be in airworthy condition.

  
Jeffrey E. Kroo AP36840651A



DATE	TOTAL IN SER
	HOURS

Corporate Air Center



15452 – Airport Drive  
Burlington, WA 98233  
Phone (360) 757-7757  
Fax (360) 757-1557

G1000 Eng Time:422.9

**N505RA Cessna T206H S/N:T20609213 Hobbs:492.4**

Found disconnected ground to Oil Temp transmitter circuit and repaired.  
Panel light control grounding issue corrected. Replaced missing nut on  
lower-left engine mount. Ops-run good. All work done I.A.W. Cessna  
T206H M.M. I Certify these components to be in an Airworthy  
Condition at this time.

01/09/2020

Chad Peterson AP3498801

SIGNATURE,  
TE TYPE  
BER



N505RA

SPANAFLIGHT AVIATION, LLC

16705 103<sup>rd</sup> Ave. Ct. E.  
Puyallup, WA 98374  
(253)848-2020



Engine Make/Model	Lycoming TIO-540-AJ1A	Engine Serial	L14220-61E
-------------------	-----------------------	---------------	------------

DATE: 22 October 2020 TACH: 510.9 AFTT: 510.9 Engine TT: 510.9 SMOH: N/A

Compression Test

#1	#2	#3	#4	#5	#6
79/80	79/80	79/80	77/80	79/80	79/80

Performed an annual inspection this date IAW the scope and detail of 14 CFR 43 Appendix D. Researched ADs through biweekly 2020-22. Updated ATP AD profiles and found AD index to be up to date. Removed Lycoming injectors and installed GAMI injector kit P/N GLVT20-6 IAW STC SE09445SC and reinstalled upper deck lines and baffling (see form 337 on file this date). **AD2015-19-07** Inspected fuel injection lines and clamps IAW Lyc MSB342G and adjusted each line accordingly to achieve proper clearance (**Next Due at 610.9 or fuel line mx**). Drained oil, obtained oil sample for analysis and removed oil filter. Cut open oil filter and inspected contents and found no discrepancies. Installed new oil filter P/N CH48109-1, torqued and safetied. Removed sump screen and inspected – no discrepancies – and installed with new crush gasket. Service engine with 11 qts. Phillips 20W-50. Removed spark plugs, cleaned, gapped, rotated and torqued to 420 in. lbs. Checked magneto timing – ok. Repaired one crack in left side baffling with doubler bracket. Changed all rocker cover gaskets with silicone P/N APS-76036-S. Performed post inspection engine run and checked for leaks – no leaks. I certify this powerplant has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date.

Signature

*Michael J. Schme*

A&P3436919IA

N505RA

SPANAFLIGHT AVIATION, LLC

16705 103<sup>rd</sup> Ave. Ct. E.  
Puyallup, WA 98374  
(253)848-2020



Aircraft Make/Model	Cessna T206H	Aircraft Serial	T2609213
---------------------	--------------	-----------------	----------

DATE: 28 October 2020 TACH: 511.5

Troubleshooting EGT inoperative. Replaced #6 probe P/N 86343. Post runup ops check ok.

Signature

*Michael J. Schme*

A&P3436919



# MAINTENANCE RECORD

**SPANAFLIGHT AVIATION, LLC**

16705 103<sup>rd</sup> Ave. Ct. E.  
PUYALLUP, WA 98374  
(253) 848-2020




**ORIZED SIGNATURE,  
RTIFICATE TYPE  
& NUMBER**

DATE

**N505RA**

**DATE:** 13 Nov. 2020 **TACH:** 516.7

Installed new fuel injectors by General Aviation Modifications, Inc. in cylinders #2 (VD) and #3 (VB), torqued to 60 in-lbs. Installed per "turboGAMIjector Installation Procedure document. Performed engine run, ok.

Signature: 

**A&P3989351**

**N505RA**

**SPANAFLIGHT AVIATION, LLC**

16705 103<sup>rd</sup> Ave. Ct. E.  
Puyallup, WA 98374  
(253) 848-2020



**Aircraft Make/Model**

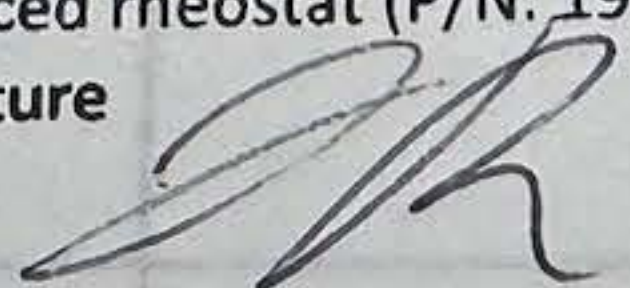
Cessna T206H

**Serial Number**

T20609213

**DATE:** January 26, 2020 **TACH:** 551.6


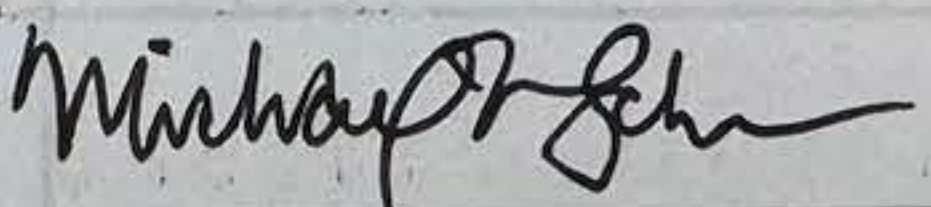
Replaced rheostat (P/N: 1904-5) and did a mag 500 hour. Replaced points (P/N: M3081) and gasket kit (P/N: K3307). Ran up, ops check good.

Signature: 

**A&P 4421264**



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS MONTHS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER				
	N505RA	<p><b>SPANAFLIGHT AVIATION, LLC</b>            16705 103<sup>rd</sup> Ave. Ct. E.            Puyallup, WA 98374            (253)848-2020</p> 					
	<table border="1"> <tr> <td><b>Aircraft Make/Model</b></td> <td>Cessna T206H</td> <td><b>Aircraft Serial</b></td> <td>T2609213</td> </tr> </table>	<b>Aircraft Make/Model</b>	Cessna T206H	<b>Aircraft Serial</b>	T2609213	<p><b>DATE:</b> 31 December 2020 <b>TACH:</b> 545.7            Drained oil, took sample, removed filter and inspected element. Installed new CH48109-1 filter, torqued, safetied. Added 11 qts. Philips 20W-50 Oil and 1 pint Camguard. Sealed various baffling holes with high temp RTV.</p>	
<b>Aircraft Make/Model</b>	Cessna T206H	<b>Aircraft Serial</b>	T2609213				
	Signature 	A&P3436919					



# MAINTENANCE RECORD

Log Book Entry TURE,  
PE

DATE



289 E Perimeter Rd.  
Renton, Washington 98057  
United States

Telephone: 425-204-0845

www.aceaviationinc.com

**Manufacturer:** Lycoming Div Avco Corp Textron  
**Part/Model number:** TIO540AJ1A  
**Work Order No:** 3534

**Hour Meter:** 556.1

**TSN/TSO:** 556.10 / N/A

**Serial Number:** L-14220-61E

**Date:** 2/12/2021

**CSN/CSO:** N/A / N/A

## Squawk

- 2.1 Performed engine pre-purchase inspection, see report dated February 11, 2021 for findings.
- 2.2 Drained engine oil while hot and took oil sample (AOA). Removed spin on oil filter and inspected element for debris with no unusual contamination noted. Installed, torqued, and safetied new CH48109-1 filter. Serviced engine with 11 quarts Phillips 20W50. Test ran and leak checks OK.

Pertinent details are on file at the repair station under Work Order Number 3534.

Jake Johnson (JAKE)

AP#3796010



DATE

H

**VAN BORTEL AIRCRAFT INC™**

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N505RA****TACH 571.9****H.M. 674.2****DATE 5/5/2021****W.O. SV10099**

ENGINE S/N: L-14220-61E

OIL AND FILTER CHANGED. COMPLIED WITH SB 480F OIL, OIL FILTER & SUCTION SCREEN INSPECTION. SERVICED ENGINE WITH PHILLIPS 20W50 OIL AND CH48110-1 FILTER.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

PAUL PARK, CHIEF INSPECTOR

NATURE,  
TYPE  
R





# VAN BORTEL AIRCRAFT INC<sup>TM</sup>

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N505RA**

**TACH 578.0**

**H.M. 682.2**

**DATE 6/3/2021**

**W.O. SV10119**

ENGINE S/N: L-14220-61E

INSPECTED ELECTROAIR ELECTRONIC IGNITION HARNESS LEADS PER ICA EIS-61000 AND FOUND SATISFACTORY. REPLACED ALL CYLINDER FUEL INJECTOR NOZZLE VENT HOSES P/N: LW-18737. TIGHTENED ALL CYLINDER OIL RETURN LINE HOSE CLAMPS. REPLACED PROP. GOV. OIL PRESSURE ADJUSTMENT NUT P/N: B-20923. REPLACED ALL SIX EXHAUST PUSH ROD TUBES P/N: 15G23487. REPLACED TEN CYLINDER ROCKER SHAFT GASKETS P/N: 66732. REPLACED #6 EGT PROBE P/N: 86317. CLEANED ENGINE & COMPARTMENT AS NEEDED. REMOVED PROPELLER. REPLACED CRANKSHAFT SEAL WITH NEW P/N: LW-15628 & REINSTALLED PROPELLER. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

PAUL PARK, CHIEF INSPECTOR

## Wingmaster Aircraft LLC

MAKE	Lycoming	MODEL	TIO-540-AJ1A	SERIAL #	L-14220-61E
AIRCRAFT	N505RA	ENG TOT TIME	620.3	TACH TIME	620.3
DATE	7/27/21	ACFT TOT TIME	620.3	TSMOH	620.3

Changed engine oil and filter, serviced w/10qts Phillips XC20w-50, installed new Tempest AA48109 filter, cut open and inspected old filter, no defects noted. Took AvLab oil sample. Performed ground run, leak check good.

Nick Odom

A&P/IA # 3560008



Wingmaster Aircraft LLC Lubbock Executive Airpark					
DATE	MAKE	MODEL	TIO-540-AJ1A	SERIAL #	L-14220-61E
	Lycoming	ENG TOT TIME	643.4	TACH TIME	756.1
	N505RA	ACFT TOT TIME	756.1	TSMOH	643.4
	DATE	11/22/21			

I certify that this ENGINE has been inspected IAW A 100 Hour inspection and found to be in an AIRWORTHY condition. Inspected IAW the scope and detail of Part 43 Appendix D using a Service Manual for reference. Cylinder compressions as follows: 1) 62/80 2) 70/80 3) 77/80 4) 70/80 5) 72/80 6) 72/80. Replaced #6 lower spark plug w/new RHB37E. R&R alternator w/new PH ASG12000-3-PMA, SN H-V091329. Cleaned gaped and rotated spark plugs. Dressed Propeller leading edge. Engine ground ran, no defects noted. See AD summary for compliances.

Nick Odom *[Signature]* A&P/IA #3560008



# **VAN BORTEL AIRCRAFT INC™**

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N505RA**

**TACH 690.7**

**H.M. 809.3**

**DATE 10/3/2022**

**W.O. SV10397**

ENGINE S/N: L-14220-61E

OIL AND FILTER CHANGED. COMPLIED WITH SB 480F OIL, OIL FILTER & SUCTION SCREEN INSPECTION. SERVICED ENGINE WITH PHILLIPS 20W50 OIL AND AA48109 FILTER. REPLACED ALL SPARK PLUGS WITH NEW P/N: RHB37E. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

*[Signature]*  
PAUL PARK, CHIEF INSPECTOR





# VAN BORTEL AIRCRAFT INC<sup>TM</sup>

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

NATURE,  
TYPE  
R

DATE

TC  
IN

HOL

**N505RA TACH & TOTAL 690.8 H.M. 809.6 DATE 1/10/2023 W.O. SV10560**

ENGINE S/N: L-14220-61E

PERFORMED A 100 HOUR INSPECTION IN ACCORDANCE WITH FAR 43 WITH REFERENCE TO CESSNA MAINTENANCE MANUAL 182SMM21. OIL NOT CHANGED AT THIS TIME. SPARK PLUGS INSPECTED AND SET EIS PLUG GAPS PER INSTALL INSTRUCTIONS. REMOVED RIGHT MAGNETO AND REPLACED BREAKER POINTS WITH NEW P/N: M3081. REINSTALLED MAGNETO WITH NEW GASKETS P/N'S: 62224, LW-12681 AND TIMED TO ENGINE. COMPRESSION TEST: #1 72 #2 73 #3 76 #4 71 #5 76 #6 70/80. REMOVED, CLEANED & REINSTALLED FUEL INJECTOR NOZZLES PER GAMI PROCEDURE NO. IP-98-002. COMPLIED WITH **AD 2015-19-07** FUEL INJECTION LINE INSPECTION IN ACCORDANCE WITH LYCOMING SB 342G, NEXT INSPECTION DUE BY TACH 800.8, ENGINE OVERHAUL OR LOOSENING OF CLAMPS. AD'S CHECKED THROUGH 2023-02. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

PAUL PARK, CHIEF INSPECTOR

4/11/2023 N505RA S/N: T20609213 MODEL: T206H TACH: 712.8hrs.

perforemed an oil change, drain oil and removed oil filter sent an oil sample to aviation laboratories, installed new oil filter AA48109-2 service with 10 qts. Of aeroshell 100w and one pin of camguard oil additive, performed an engine run to leak check, ok. I found it safe to return to service only on the work performed.

A/I MIGUEL H. FLORES 460991570

N505RA S/N: T20609213 MODEL: T206H HOBBS: 851.1 TACH: 725.3



4/29/2023

N505RA S/N: T20609213 MODEL: T206H HOBBS: 851.1 TACH: 725.3

REMOVED ENGINE DRIVEN FUEL PUMP AND INSTALLED NEW PUMP P/N: 62E23190, S/N: ON H-ZCN082FP, S/N: OFF H-SHN002FP, PERFORMED AN ENGINE RUN TO POWER CHECK AND LEAK CHECK, OK. I FOUND THIS AIRCRAFT SAFE TO RETURN TO SERVICE ONLY ON ~~THE~~ WORK PERFORMED.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

I/A MIGUEL H. FLORES 460991570

6/8/2023 N505RA S/N: T20609213 MODEL: T206H HOBBS:892.0 TACH: 759.7

Performed and engine oil change, drain oil and removed oil filter, sent to an oil sample to aviation laboratories, installed new oil filter with p/n: AA48109-2 and service 10 qts. Of aeroshell 100w and 1 pint of camguard oil additive, performed and engine run for leak check, ok. Ifound it safe to return to service only on the work performed.

I/A Miguel H. Flores 460991570



8/9/2023

N505R/A

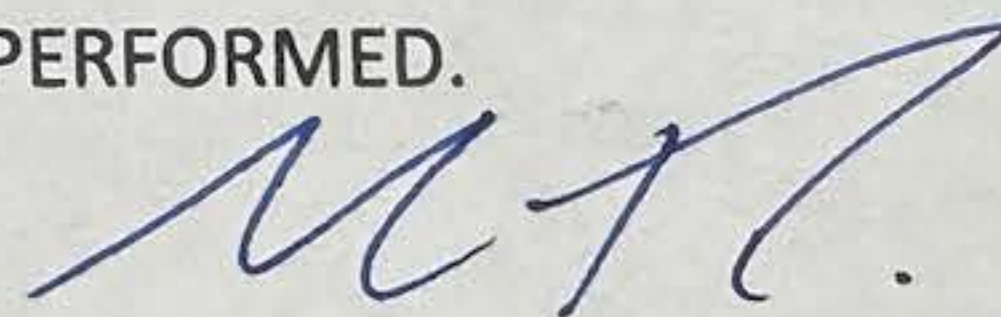
HOBBS: 950.5

TACH: 808.9

DATE	TOTAL IN SERVICE HOURS

PERFORMED AN OIL CHANGE ,DRAIN OIL AND REMOVED OIL FILTER OPEN  
FILTER TO CHECK FOR METAL AND THERE WERE NO DEFECTS NOTED AT THIS  
TIME,SERVICE WITH 12QTS. OF AEROSHELL 100W AND 1 PINT OF OIL ADDITIVE  
INSTALLED NEW OIL FILTER P/N: CH48109-1. I FOUND THIS AIRCRAFT SAFE TO  
RETURN TO SERVICE ONLY ON THE WORK PERFORMED.

\_\_\_\_\_  
AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



A/P MIGUEL H. FLORES 460991570

Augustus Aviation Service  
9000 N. Navarro Rd.  
Corsicana Tx, 75109  
(469)235-4674

Engine  
Tach: 841.8  
Date: 12/10/2023  
N505RA

Removed #5 cylinder and sent to Sal's aircraft cylinder for repair, reinstalled repaired cylinder with new  
seals and gaskets. Replaced three exhaust studs on the #2 cylinder with new P/N: AEL25C11. C/W AD  
2015-19-07 fuel injection line and clamp inspection, no defects noted. Next due at Tach: 951.4.  
Reinstalled exhaust IAW Lycoming Engines MSB No. 627C instructions. Ran engine and no leaks noted.  
The aircraft identified above was repaired and inspected in accordance with current regulations of the  
federal aviation administration and is approved for return to service with respect to the work above.

William Koonce A&P3014392





# MAINTENANCE RECORD

TOTAL  
IN SE  
HOURS



Tail Number: N505RA  
Serial No. T20609213

Aircraft Maintenance Log  
ACFTT: 1006.2  
Make: Cessna T206

Tach: 1006.2

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

Complete Aviation Maintenance 240 Boerne Stage Airfield, Boerne, Texas 78006

Complied with Annual inspection in accordance with Cessna 206 Maintenance Checklist inspection operations 1-4. Complied with compression check #1 75/80, #2 72/80, #3 72/80, #4 69/80, #5 71/80, #6 76/80. drained oil, serviced with 9 quarts Phillips 20W50XC oil. Replaced oil Filter P/N AA48109-2 with new, cut open old filter for particulate inspection. Complied with ELT operational check in accordance with FAR 91.207(d), operational checked good. Complied with AD 2015-19-07 in accordance with para e 1 (ii), no leaks noted. Complied with AD 2023-09-09 in accordance with para K 1-7 no cracks noted. next inspection due 1106.2 tach time. Complied with AD 2011-10-09 para g, no defects noted. next inspection due 1106.2 or Feb 2025. Verified AD compliance through By weekly 2024-03, no new applicable ADs noted.

I Certify that this airplane has been Inspected in accordance with an Annual Inspection and with respect to the work performed is approved for return to service.

*Patrick D. Reeves*

Patrick Reeves A&P 2671294 I.A

February 13, 2024  
Date



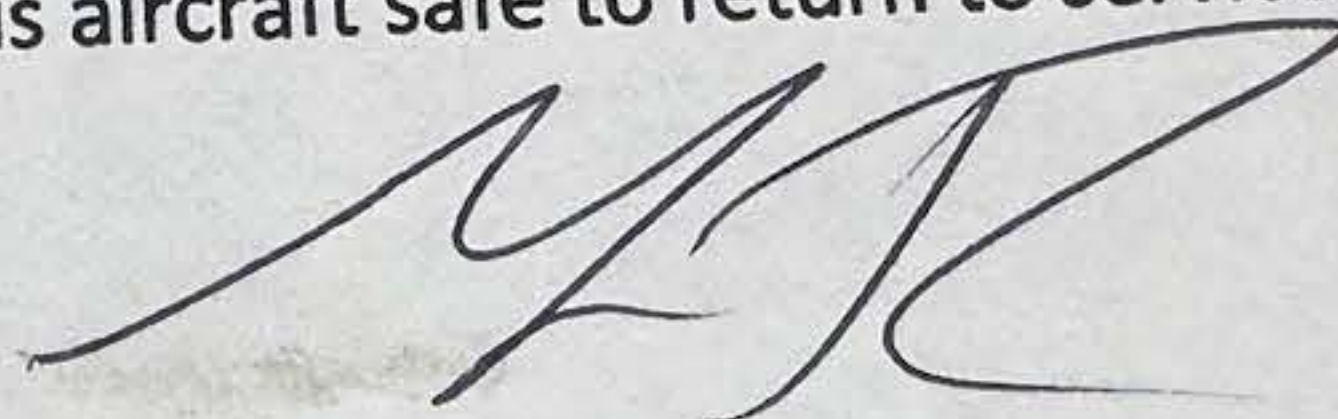
# MAINTENANCE RECORD

ED SIGNATURE,  
CATE TYPE  
UMBER

6/7/2024

N505RA S/N: T20609213 MODEL: T206H HOBBS: 1066.3 TACH: 908.5

Performed an oil change ,drain oil and removed oil filter,installed new oil filter with p/n: CH48109-1 ,service with 11qtr. Of aeroshell 100 plus,removed turbo assy.and wastegate to send for O/H to Approved Turbo Components FAA repair station # U5AR184Y,installed original turbo assy. p/n: HET 466881-0001 s/n: on : H-SHL00042,waste gate p/n:470954-0005,s/n: on : H-SEN00207,performed an engine run,check ok. I found this aircraft safe to return to service only on the work performed.



A/P Miguel H. Flores 460991570



MCCREERY AVIATION CO., INC.

ENGINE

03/01/2025

TACH: 0967.1

ED SIGNATURE





ENGINE

03/01/2025  
REG. NO.: N505RA  
MODEL: TIO-540-AJ1A  
S/N: L-14220-61E

MCCREERY AVIATION CO., INC.  
P.O. BOX 1659  
McALLEN, TX 78505

TACH: 0967.1  
E.T.T.: 0967.1  
W.O.#: M-25-16312

ED SIGNATURE,  
IFICATE TYPE  
NUMBER

- COMPLIED WITH AN ANNUAL INSPECTION IN ACCORDANCE WITH FAR APPENDIX D TO PART 43 USING THE CESSNA T206H MAINTENANCE MANUAL INSPECTION CHECKLIST AS A GUIDE.
- DRAINED ENGINE OIL, REMOVED OIL FILTER AND CUT OPEN, NO CONTAMINATION FOUND. INSTALLED AND SAFETIED NEW OIL FILTER P/N: AA48109-2. SERVICED ENGINE WITH 11 QUARTS OF AEROSHELL W100 PLUS OIL.
- WASHED ENGINE, PERFORMED A LEAK CHECK. OPS CHECK GOOD.
- COMPRESSION CHECK: 1) 78/80 2) 77/80 3) 74/80 4) 72/80 5) 76/80 6) 66/80
- AD 24-21-02 CONNECTING ROD ASSY AND BUSHINGS NOT DUE UNTIL NEXT TIME A CYLINDER IS REMOVED.
- REMOVED AND REPLACED OIL DIP STICK TUBE GASKET. RETORQUED AND SAFETIED.
- CLEANED AND INSPECTED ALL FUEL NOZZLES. REMOVED AND REPLACED ALL 6 HOSES WITH NEW P/N: LW18737. INSTALLED INJECTORS WITH NEW O-RINGS AND WASHERS. TORQUED DOWN TO 60 IN/LBS.
- REMOVED AND REPALCED LEFT FUEL UPPED DECK HOSE WITH NEW P/N: LW18675-4.
- REMOVED AND REPLACED BOTH GASKETS ON CYL #1 AND 4 ROCKER ARM WITH NEW P/N: 66732 AND SCREWS WITH NEW P/N: 72709. RETORQUED OIL RETURN LINE CLAMPS.
- REMOVED AND REPLACED ALL SPARK PLUGS WITH NEW P/N: RHB37E, TORQUED TO 35 IN/LBS.
- INSTALLED TWO NEW TURBO FLANGE NUTS AND WASHERS. RETORQUED ALL FOUR TURBO FLANGE NUTS TO SPECS. OK TO CONTINUE SERVICE AT THIS TIME.
- REMOVED AND REPLACED AFT AND FWD WASTEGATE CLAMP NUT WITH NEW P/N: S1604-4 AND RETORQUED CLAMPS TO 90 IN/LBS AND SAFETIED.
- REMOVED AND REPLACED #5 VALVE COVER GASKET WITH NEW P/N: RG-76036.
- COMPLIED WITH ALL APPLICABLE AD'S AND BI-WEEKLY THRU 2025-04.

I CERTIFY THAT THIS ENGINE IDENTIFIED ABOVE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND CURRENT FEDERAL AVIATION REGULATIONS AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO.: M-25-16312.

DATE: 03/01/2025

SIGNED: \_\_\_\_\_

ANTHONY PRATS

MCCREERY AVIATION CO., INC.  
FAA REPAIR STATION NO. CRSHLFR716E  
McALLEN, TX 78503