

N	527RS	
Front	<input checked="" type="checkbox"/>	Rear <input type="checkbox"/>
Left	<input type="checkbox"/>	Right <input type="checkbox"/>



AMERITECH INDUSTRIES, INC
Where Performance Begins...®

ENGINE LOGBOOK

Ameritech Industries, Inc.
dba: Eagle Engines

FAA REPAIR STATION #NO3R717L

www.ameritech-aviation.com
sales@ameritech-aviation.com

20208 Charlanne Drive
Redding, California 96002, U.S.A.
(530) 221-4470 / (800) 292-7767

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer Continental

Model TU-550-B

Serial No. 684009

Date Installed on Aircraft _____

TBO _____ Hours

or _____ Years

DATE

TACH OR
RECORDING
METER TIME

DESCRIPTION OF WORK PERFORMED

SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



EAGLE ENGINES

FAA Repair Station NO3R717L

Repair Order: 19065-01-2015

Engine Make: Continental

Serial No.: 684009

Date: 3/5/2015

Engine Model: IO-550-B

Total Time: SMOH: -0-

1. Engine has been Major Overhauled using new Superior Cylinders.
2. This engine has been disassembled, Cleaned, Inspected and Re-assembled in accordance with all applicable FAA Regulations and Manufacturer's current overhaul manual M-16.
3. Crankcase certified by Nickson's Machine Shop, Crankshaft ultrasonic by Ameritech Industries, Inc., Magneto(s) by Aircraft Electrical Components, Inc., Harness by Champion, Sparkplugs by Tempest, Starter by Hartzell Engine Technologies, Throttle Body, Flow Divider and Fuel Pump by Great Planes Fuel Metering, Inc.
4. The following airworthiness directives have been complied with: 99-19-01.
5. See front of log for A.D. listing details.
6. See rear of log for maintenance releases.
7. Engine test run satisfactory.
8. Engine not installed by Eagle Engines.
9. Nothing follows.



EAGLE ENGINES
REPAIR STATION No. NO3R717L
20208 CHARLANNE DRIVE
REDDING, CA 96002

WORK ACCOMPLISHED: ENGINE OVERHAUL

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED
AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION
REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER

WORK ORDER # 19065-01-2015INVOICE # 19065-01-2015 DATED: 03/05/2015

SIGNED

(AUTHORIZED INDIVIDUAL)

Date 3/18/2015

W/O# 14094



Engine Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

25170 Aviation Ave., Davis, CA 95616

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Tach / Flight 1667.8 COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.

Eng TSN 1667.8 SERVICED ENGINE WITH 12 QUARTS AEROSHELL 100 MINERAL OIL.

Eng TSO 0 REINSTALLED ENGINE AFTER OVERHAUL BY EAGLE ENGINES, CRS# NO3R717L UNDER W.O. 19065-01-2015.

TTAF 1667.8 INSTALLED OVERHAULED TURBO P/N 632729-13 S.N. IDL0085, AND OVERHAULED WASTE-GATE P/N 470908-0011 S/N ICN00075. FROM ATC INC. CRS #07TR2100 SUPPLIED BY ATC INC. CRS# 07TR2100. INSTALLED NEW TURBO OIL INLET AND OUTLET CHECK VALVES, INSTALLED ALL NEW TORNADO ALLEY TURBO (TAT) FLEXIBLE INDUCTION COUPLINGS. INSTALLED NEW #2 CYLINDER INTAKE PUSH ROD HOUSING WITH NEW SEALS AND NEW #2 CYLINDER ROCKER COVER GASKET. ADJUSTED FUEL FLOW, MANIFOLD PRESSURE AND OIL PRESSURE, PER TAT INSTRUCTIONS AND CMI SID 97-3F. OPERATIONAL AND LEAK CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

Date 6/3/2015

W/O# 14427



Engine Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

25170 Aviation Ave., Davis, CA 95616

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 11 QUARTS AEROSHELL 100W ENGINE OIL. RUN UP AND LEAK CHECK NORMAL.

Tach / Hobbs 1690.0

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

Date 4/1/2016

W/O# 14996



Engine Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

25170 Aviation Ave., Davis, CA 95616

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Tach / Flight 1735.6 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI SERVICE BULLETIN 03-3, 1735.6 COMPRESSION TEST RESULTS: #1- 78/80, #2- 78/80, #3- 78/80 #4- 78/80, #5- 79/80, #6- 79/80.

Eng TSN 1735.6 MASTER ORIFICE: 47/80.

Eng TSO 67.8 DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL. ADDED 1 PINT CAMGUARD ENGINE OIL ADDITIVE.

TTAF 1735.6 COMPLIED WITH CONTINENTAL MOTORS INC SB 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.

INSTALLED NEW THROTTLE STOP SCREW AND ADJUSTED FOR CORRECT TRAVEL.


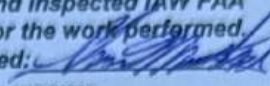

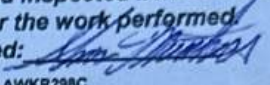

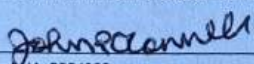

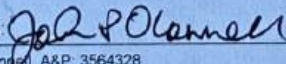
The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED	
		SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
Date 5/10/2016	W/O# 15210	 Engine Logbook Entry AIRCRAFT: N 527RS CRS AWKR298C S/N E-3222 25170 Aviation Ave., Davis, CA 95616 INSTALLED NEW ROCKER COVER GASKETS ON CYLINDERS #1, #2, AND #3. RESURFACED ROCKER COVERS FOR A TIGHTER SEAL. CHECKED FUEL FLOW SET UP AS PER CMI 97-3G. NO ADJUSTMENT REQUIRED AT THIS TIME. ADJUSTED IDLE AND IDLE MIXTURE AS REQUIRED. OPERATIONAL AND LEAK CHECKED NORMAL. The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:  Shawn Matthies AWKR298C	
Date 9/14/2016	W/O# 15414	 Engine Logbook Entry AIRCRAFT: N 527RS CRS AWKR298C S/N E-3222 25170 Aviation Ave., Davis, CA 95616 CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 11 QUARTS AEROSHELL 100W ENGINE OIL. ADDED 1 PINT CAMGUARD ENGINE OIL ADDITIVE. RUN UP AND LEAK CHECK NORMAL. REPLACED ALL SIX ENGINE CYLINDER VALVE COVER GASKETS WITH NEW PREMIUM SILICONE VALVE GASKETS P/N 08-01317. LEAK CHECK NORMAL. The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:  Shawn Matthies AWKR298C	
ENGINE MODEL: ENGINE S/N: REG. NO. 527RS WORK ORDER: 1329-03-2017		 Scanlon Aviation 451 Airport Road Novato, CA 94945 Phone: 415-897-9787 DATE: 22 March, 2017 A/C TSN: 1816.4 ENG TT: 114.1 TSMOH: HOBBS: 1816.4	
Engine Entries (2) Performed annual inspection of engine per FAR 43 appendix D checklist. Preformed compression check, Base line 44/80 #1 74/80 #2 78/80 #3 75/80 #4 76/80 #5 78/80 #6 78/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100 and 1 pt. Camguard. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel injectors removed, cleaned, inspected and installed with new seals. No leaks noted. Fuel servo screen removed and inspected. No contamination noted. Engine controls lubricated I/A/W CMI Standard Practice Maintenance Manual M-0. I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.		DATE: 22 March, 2017 SIGNED:  John O'Connell, IA: 3564328 Work Order: 1329-03-2017 Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: IO-550-B ENGINE S/N: 684009 REG. NO. 527RS WORK ORDER: 1565-09-2018		 Scanlon Aviation 451 Airport Road Novato, CA 94945 Phone: 415-897-9787 DATE: 19 September, 2018 A/C TSN: 1904 ENG TT: 1904 TSMOH: 236.2 HOBBS: 1904	
Engine Entries (1) Oil drained and filter removed. Cut open filter and inspected. No metal found. Installed new filter and safetied. Serviced engine with 11 Qt of Aeroshell W100. Ground ran aircraft and no leaks noted.		DATE: 19 September, 2018 SIGNED:  John O'Connell, A&P: 3564328 Work Order: 1565-09-2018 Printed by EBis 3 (datcomedia.com)	

MAKE: Continental
MODEL: 10-550-B
SERIAL # 684009

N# N527KS
T.T. 1841.3
T.S.O. 148.6

No. _____

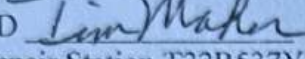
DATE

G WORK

The engine identified above was disassembled, cleaned, inspected, repaired and assembled for a Prop Strike Inspection. All work performed with reference to Teledyne Continental Motors Overhaul Manual M-16. Install new crankshaft P/N 649900 S/N N17JA069. Magnetos and Alternator received prop strike inspections. A.D. research completed. All pertinent details are on file at this facility under Inv. 10348. Engine was test ran in engine test cell. END.-----

DATE : Dec. 28, 2017

Tim's Aircraft Engines Inc.
6105 Obispo Ave.
Long Beach, Ca. 90805
Ph. (562) 634-6120
Fax (562) 634-6129

SIGNED 
FAA Repair Station T22R537Y

TIM'S AIRCRAFT ENGINES INC. FAA REPAIR STATION #T22R537Y

12/28/20017 IO-550-B

S/N 684009

R/O 10348

QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
2	531178	COUPLING	6	656990	SCREW
1	630899	BEARING	1	AA48109-1	OIL FILTER
1	641250	SEAL	1	MS9970-116	SEAL
2	641909	PLATE	1	MS9970-117	SEAL
12	642398	BEARING	8	NAS1805-4	NUT
8	654439-1	HOSE	1	649900	CRANSHAFT
1	646550A1	GASKET	8	AS3578-016	O-RING
1	646592A2	BEARING SET	1	MS35758-8	KEY
4	649205	SCREW	12	630979-9	O-RING
12	654490	NUT	6	633958-3	SEAL
4	654587-.44	BOLT	1	653171	SEAL
4	655269	BUSHING	1	653470	GASKET
12	655958	BOLT	2	633958-5	SEAL

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
1441-10-2017



Scanlon Aviation
451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 25 January, 2018
A/C TSN: 1841.3
ENG TT: 1841.3
TSMOH: 173.5
HOBBS: 1841.3

Engine Entries

(1) Engine removed for prop strike inspection by Tim's Aircraft (see return to service documents and detailed parts list of installed parts). Engine installed with existing hoses and mounts. Exhaust installed with new gaskets, nuts and new cross-over gaskets. Engine filled with 12 qts Aeroshell W100 per TAT service instructions, engine run and checked for leaks, none noted. Ground run performed per TAT pre-flight check of engine, all indications normal.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 25 January, 2018

SIGNED: 

Kenneth B. Robbins, IA: 3129624

Work Order: 1441-10-2017

Printed by EBis 3 (datcomedia.com)

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date 3/28/2018 W/O# 16763		<p>Engine Logbook Entry AIRCRAFT: N 527RS CRS AWKR298C S/N E-3222 25170 Aviation Ave., Davis, CA 95616</p> <p>REMOVED AND CLEANED TURBO OIL INLET CHECK VALVE. REINSTALLED. OPERATIONAL AND LEAK CHECK NORMAL.</p> <p>The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: <i>[Signature]</i> Shawn Matthias AWKR298C</p>

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
1496-04-2018



Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 06 April, 2018
A/C TSN: 1847.7
ENG TT: 1847.7
TSMOH: 179.9
HOBBS: 1847.7

Engine Entries

(1) Oil drained and filter removed. Cut open and filter and no metal found. Installed new filter and safetied. Serviced engine with 11 Qts. Aeroshell W100. Ground ran aircraft and no leaks noted.

DATE: 06 April, 2018

SIGNED: *[Signature]*

John O'Connell, A&P: 3564328

Work Order: 1496-04-2018

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
1638-01-2019



Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 08 February, 2019
A/C TSN: 1932.6
ENG TT: 1932.6
TSMOH: 264.8
HOBBS: 1932.6

Engine Entries

(2) Performed annual inspection of engine per FAR 43 appendix D checklist. Changed oil and filter, filter opened and inspected for metal, none noted. Filled engine with 10 qts Aeroshell W100. Engine run and filter checked for leaks, none noted. Cleaned, gapped and tested spark plugs. Magneto timed to 22°. Fuel servo inlet screen checked and found clean, reinstalled with new gasket. Compression checked @ #1-69, #2-75, #3-70, #4-73, #5-77, #6-72 with baseline of 45#.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 08 February, 2019

SIGNED: *[Signature]*

Kenneth R Robbins, IA: 3129824

Work Order: 1638-01-2019

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
1730-08-2019



Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 08 August, 2019
A/C TSN: 1973.3
ENG TT: 1973.3
TSMOH: 305.5
HOBBS: 1973.3

Engine Entries

(1) Installed new Air Conditioning compressor drive belt. Set belt tension to Beechcraft AMM specs. Operation checked normal....
(2) Changed oil and filter, filter opened and checked for metal, none noted. Filled engine with 10 qts Aeroshell W100, engine run and filter checked for leaks, none noted.

DATE: 08 August, 2019

SIGNED: *[Signature]*

Kenneth R Robbins, A&P: 3129824

Work Order: 1730-08-2019

Printed by EBis 3 (datcomedia.com)

DA

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
1830-01-2020



Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 13 February, 2020
A/C TSN: 2008.9
ENG TT: 2008.9
TSMOH: 341.1
HOBBS: 2008.9

G WORK

Engine Entries

(2) Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check, Base line 46/80 #1 66/80 #2 74/80 #3 70/80 #4 74/80 #5 75/80 #6 75/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Engine controls lubricated I/A/W CMI Standard Practice Maintenance Manual M-0.... (3) Performed annual inspection of propeller per FAR 43 appendix D checklist. Greased hub per Hartzell Service Instructions.... (19) Installed new spark plugs (12), Pn. URHB32E.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 13 February, 2020

SIGNED:

Work Order: 1830-01-2020

John O'Connell, IA: 3564328

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
2029-02-2021



Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 01 March, 2021
A/C TSN: 2075.1
ENG TT: 2075.1
TSMOH: 407.3
HOBBS: 2075.1

Engine Entries

(2) Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check, Base line 44/80 #1 56/80 #2 64/80 #3 55/80 #4 74/80 #5 71/80 #6 76/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Fuel injection nozzles, removed, cleaned, and visually inspected. Engine controls lubricated.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 01 March, 2021

SIGNED:

Work Order: 2029-02-2021

John O'Connell, IA: 3564328

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
2227-02-2022

Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 31 March, 2022
A/C TSN: 2107.3
ENG TT: 2107.3
TSMOH: 439.5
HOBBS: 2107.3

Engine Entries

(2) Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check, Base line 46/80 #1 40/80 #2 60/80 #3 38/80 #4 64/80 #5 64/80 #6 72/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Engine controls lubricated. Airworthiness directives checked thru ATP Rev. 03/29/2022.... (6) Removed valve cover and valve train on exhaust side of Cylinder #1 & #3, lapped exhaust valve in place. Valve and seat cleaned thoroughly and valve stem lubricated. Checked compression and found to be @ #1 60/80 and #362/80. Reinstalled valve springs and lubricated rotocoils. Installed rocker box cover with new gasket and ground ran aircraft. No discrepancies noted and no leaks present.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 31 March, 2022

SIGNED:

Work Order: 2227-02-2022

John O'Connell, IA: 3564328

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
2473-03-2023

Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 14 April, 2023
A/C TSN: 2140.2
ENG TT: 2140.2
TSMOH: 472.4
HOBBS: 2140.2

No.

3 WORK

Engine Entries

(2) Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check, Base line 49/80 #1 54/80 #2 63/80 #3 60/80 #4 69/80 #5 69/80 #6 68/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Engine controls lubricated. Airworthiness directives checked thru ATP Rev. 04/14/2023... (8) A.D. 2022-16-03 eff. 08/15/2022 To Prevent Failure of the Magneto no applicable due to Sn. F04LA210R and F04JA149R installed... (9) A.D. 2023-02-12 eff. 02/17/2023 To Prevent Failure of the Engine Intake Valve Not applicable due to Part Numbers SA52006-A1 installed... (10) A.D. 2023-05-16 eff. 03/15/2023 To Prevent Departure of Counterweight and Retaining Hardware from the Crankshaft Assembly not applicable due to engine SN. 648009.

I certify this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

DATE: 14 April, 2023

SIGNED:

John OConnell, IA: 3564328

Work Order: 2473-03-2023

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 684009
REG. NO: 527RS
WORK ORDER:
2681-01-2024

Scanlon Aviation

451 Airport Road
Novato, CA 94945
Phone: 415-897-9787

DATE: 30 January, 2024
A/C TSN: 2161.8
ENG TT: 2161.8
TSMOH: 494
HOBBS: 2161.8

Engine Entries

(1) Vernatherm removed. Installed new Vernatherm Pn. 656085 and safetied. Ground operated aircraft, no leaks noted and operation normal.

DATE: 30 January, 2024

SIGNED:

Devon Mowat, A&P: 4067383

Work Order: 2681-01-2024

Printed by EBIS 3 (datcomedia.com)

2728-04-2024 (05-24-2024)

Page 1 / 1

MAKE: Raytheon Aircraft Co
MODEL: A36
S/N: E3222

REG. NO: 527RS
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-B
ENGINE O/H DATE: 03-05-2015
ENGINE SN: 684009



Scanlon Aviation

451 Airport Road
Novato, CA 94945

W/O #: 2728-04-2024
DATE: 05-24-2024
A/C TT: 2170.5
A/C Tach:
Landings:
ENG TT: 2170.5

Engine Entries

Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check, Base line 45/80 #1 68/80 #2 58/80 #3 78/80 #4 71/80 #5 72/80 #6 73/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/A/W T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Fuel injection nozzles removed, cleaned and visually inspected. No discrepancies noted. Installed nozzles with new seal, leak check satisfactory. Engine controls lubricated. Airworthiness directives checked thru ATP Rev. 5/24/2024... Removed valve cover and valve train on exhaust side of Cylinder #1 lapped exhaust valve in place. Valve and seat cleaned thoroughly and valve stem lubricated. Checked compression and found to be @ #1 68/80. Reinstalled valve springs and lubricated rotocoils. Installed rocker box cover with original silicone cleaned gasket and ground ran aircraft. No discrepancies noted and no leaks present.... Removed valve cover and valve train on exhaust side of Cylinder #3 lapped exhaust valve in place. Valve and seat cleaned thoroughly and valve stem lubricated. Checked compression and found to be @ #3 78/80. Reinstalled valve springs and lubricated rotocoils. Installed rocker box cover with original silicone cleaned gasket and ground ran aircraft. No discrepancies noted and no leaks present.... A.D. 2023-09-09 Eff. 07/17/2023 To Prevent Failure of the Spot-Welded, Multi-Segment Exhaust Tailpipe V-Band Coupling does not apply due to aircraft is in compliance with A.D. 2001-08-08....

I certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.


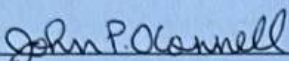
DATE: 05-24-2024

SIGNED:

John OConnell
IA: AP3564328IA

WORK ORDER: 2728-04-2024

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DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<div>2891-11-2024 (06-06-2025)Page 1 / 1</div> <div><div>MAKE: Raytheon Aircraft Co MODEL: A36 S/N: E3222 REG. NO: 527R5 ENGINE MAKE: CONTINENTAL ENGINE MODEL: IO-550-B ENGINE SN: 684009</div><div>Scanlon Aviation 451 Airport Road Novato, CA 94945</div><div>W/O #: 2891-11-2024 DATE: 06-06-2025 A/C TT: 2203.5 A/C Tach: ENG TT: 2203.5 TSMOH: 535.7</div></div> <div>Engine Entries Performed annual inspection of engine per FAR 43 appendix D checklist. Performed compression check. Base line 42/80 #1 64/80 #2 44/80 #3 68/80 #4 60/80 #5 73/80 #6 75/80. Oil drained and Blackstone sample taken. Cut open filter and inspected. No metal found. Installed new filter, serviced engine with 10 qts. of Aeroshell W100. Magneto timing checked and found to be synced to 22° BTDC on cylinder #1. Exhaust/Turbo system inspected I/AW T.A.T. Continued Airworthiness Time Limits and Maintenance Practices Pn. 35-6460001 Part B, no discrepancies noted. Exhaust system pressure checked and no leaks noted. Cleaned, gapped and tested spark plugs, reinstalled with new gaskets. Fuel servo screen removed and inspected. No contamination noted. Engine controls lubricated. Airworthiness directives checked thru ATP Rev. 6/5/2025... Removed valve cover and valve train on exhaust side of Cylinder #2 lapped exhaust valve in place. Valve and seat cleaned thoroughly and valve stem lubricated. Checked compression and found to be @ #1 65/80. Reinstalled valve springs and lubricated rotocoils. Installed rocker box cover with original silicone cleaned gasket and ground ran aircraft. No discrepancies noted and no leaks present.... Complied with Tornado Alley Turbo, Inc. Airworthiness limitation for fluid carrying hoses used in turbo normalizing system by replacement of affected hoses. Next due at 6/2035 or on condition. ... TAT SB24-01 Turbocharger Check Valve Inspection and Cleaning complied with. Next cleaning / inspection due 6/2026. Performed compression check after test flight. MO 41/80 #1 61/80 #2 71/80 #3 64/80 #4 68/80 #5 73/80 #6 75/80. Installed upper spark plugs with new gaskets. ... Landing gear right main brake line from strut to airframe replaced with new. Brake system bled. I certify this engine has been inspected in accordance with an 100 Hour / ANNUAL INSPECTION and was determined to be in an airworthy condition.</div> <div><div>DATE: 06-06-2025</div><div>SIGNED:  John O'Connell A&P: AP35643281A</div><div>WORK ORDER: 2891-11-2024 Printed by EBIS (EBISCloud.com)</div></div>

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