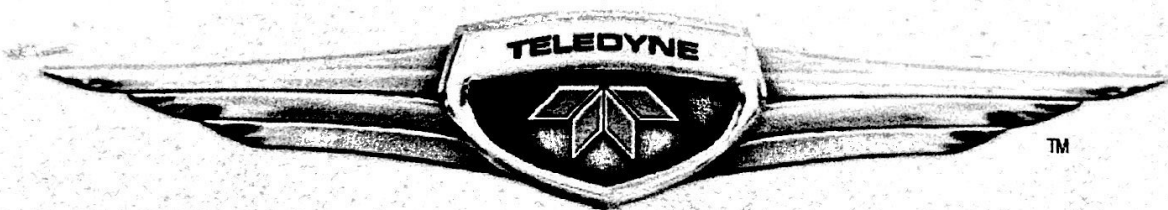
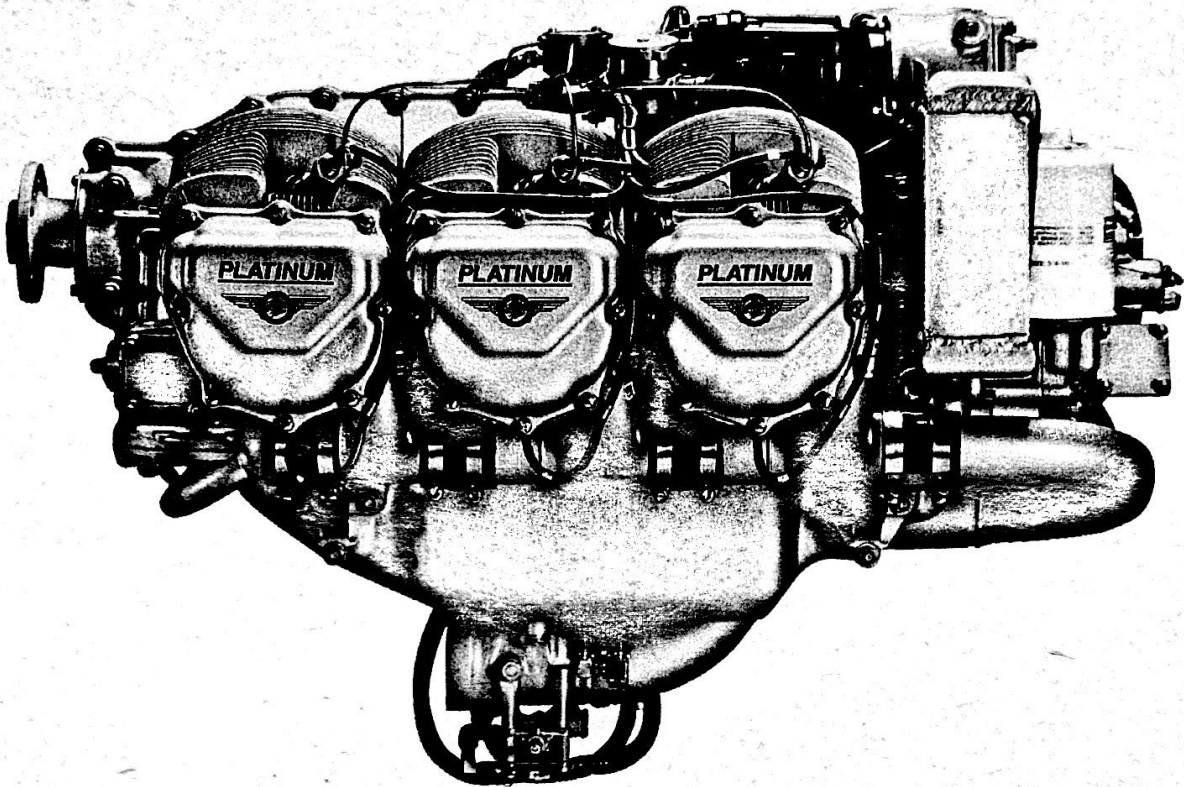
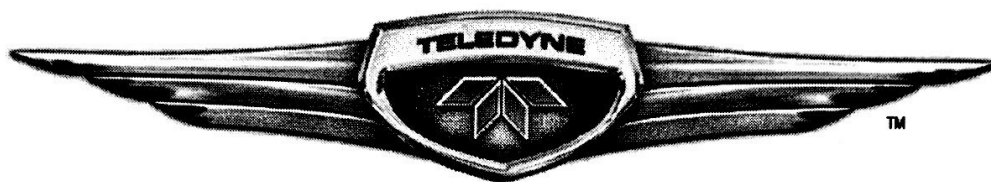


# PLATINUM ENGINE LOG BOOK



# CONTINENTAL MOTORS

# PLATINUM ENGINE LOG BOOK



## CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



**Teledyne Continental Motors, Inc.**

A Teledyne Technologies Company

Printed: 04/30/2007

This engine model **I0550N46**, Serial No. **690894** was manufactured on **04/29/2007** by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TCM  
19

**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508




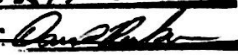
### **Service Information**

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

### **Engine Returns**

All returned engines are to be shipped with this log book  
Directly to:

Teledyne Continental Motors  
2039 Broad Street  
Mobile, AL 36615

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
6/6/07	5	.6			<p>THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC</p> <p>CDC  on <u>Jun/06/2007</u>            Cirrus Design Corporation Duluth, MN USA            PC# 338CE</p>
					<p>ENGINE MODEL: IO550N46            ENGINE S/N: 690894            REG. NO. 61W            WORK ORDER: 9247-06-2007</p> <p> <b>Cirrus Design Factory Service Center</b>            Repair Station No. YD5R855Y            4515 Taylor Circle            Duluth, MN 55811            Phone: 218- 788-3101</p> <p>DATE: 6/23/2007            A/C TSN 74            ENG TT 74            HOBBS 74</p> <p><b>Engine Entries</b>            (3) Installed Reiff Corp. engine heater, FAA-PMA No. PQ2585CE, in accordance with installation instructions. Updated aircraft's weight &amp; balance and equipment list in the P.O.H. to reflect this installation. Performed functional check of engine preheater, fuction check was satisfactory.</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.</p> <p>DATE: 6/23/2007      SIGNED:             Joseph Sullivan            Certified Repair Station No. YD5R855Y</p> <p>Work Order: 9247-06-2007            Printed by EBis 3 (datcomedia.com)</p>
6-26-2007	7	4			<p>Transfer all future maintenance entries and Times to Canadian Log Books</p> <p>Pertinent details are on file at this Agency under W.O.#: <u>9247-06-2007</u>            Date: <u>6-26-07</u> Signature:             Cirrus Design Factory Service Center            YD5R855Y, Duluth MN</p>

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

12-23-2008

230.2

Flight Meter 182.1 - Transfer all future maintenance entries and times from Canadian Log Books back To U.S.A. Log Books

**Pertinent details are on file at this Agency under W.O. #: 12428-12-2008**  
 Date: 12/23/08 Signature: *[Signature]*  
 Cirrus Design Factory Service Center  
 YD5R855Y, Duluth MN

ENGINE MODEL: IO-550-N  
 ENGINE S/N: 690894  
 REG. NO. 141EC  
 WORK ORDER  
 12428-12-2008



**Cirrus Design Factory Service Center**  
 Repair Station No. YD5R855Y  
 4515 Taylor Circle  
 Duluth, MN 55811  
 Phone: 218-788-3438

DATE 12/23/2008  
 A/C TSN 230.2  
 ENG TT 230.2  
 HOBBS 230.2

**Engine Entries**

(7) (FLT TIME: 182.1 Hrs.) Researched engine ADs through bi-weekly issue 2008-26. Complied with SA 08-11, Kelly Aerospace Power Systems SIL A-131, by cleaning and installing RTV 106 to the data tag IAW SIL instructions. At the time of compliance this aircraft was equipped with a Tornado Alley Turbonormalizing System which contained P/N 466304-0003 turbocharger, S/N (KGN00133), mounted on the L/H or (pilot) side of the engine and a P/N 466304-0003 turbocharger, S/N (KGN00137), mounted on the R/H or (co-pilot) of the engine. All ADs are in compliance at this time. (13) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aerdsshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 12/23/2008

SIGNED: *[Signature]*

Karl Hagglund  
 Certified Repair Station No. YD5R855Y

Work Order: 12428-12-2008

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N  
 ENGINE S/N: 690894  
 REG. NO. 141EC  
 WORK ORDER  
 12450-12-2008



**Cirrus Design Factory Service Center**  
 Repair Station No. YD5R855Y  
 4514 Taylor Circle  
 Duluth, MN 55811  
 Phone: 218-788-3438

DATE 12/31/2008  
 A/C TSN 232.6  
 ENG TT 232.6  
 HOBBS 232.6

**Engine Entries**

(5) Flight Hobbs. 183.0. Adjusted fuel flow IAW Tornado Alley Turbo Report # 215-10 and TCM SID97-3E. (6) Removed MAP Controller, PN 470688-5 SN LKN00305. Installed MAP Controller, PN 470688-5 SN LKN00054. Adjusted new MAP controller as required. Replaced original style waste gate linkage left clevis with improved design, PN 22-6150017. All work accomplished IAW Tornado Alley Turbo Report # 215-10. Leak and operational check performed with no discrepancies noted.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 12/31/2008


SIGNED: *[Signature]*

James Chrisman  
 Certified Repair Station No. YD5R855Y

Work Order: 12450-12-2008


Printed by EBis 3 (datcomedia.com)


Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

277.2	TOTAL TIME	N 141EC
277.2	TACH	
2/23/2009	DATE	
<ol style="list-style-type: none"> <li>1) Compression 1 75/ - 2 70/ - 3 74/ - 4 74/ - 5 76/ - 6 76/80.</li> <li>2) Drain oil and inspect filter for contaminants - Note Noted</li> <li>3) Installed and safetied new filter (CH48108-1).</li> <li>4) Refilled with (8) quarts Aeroshell 15W50 oil.</li> <li>5) Cleaned, gapped and rotated spark plugs</li> <li>6) Checked magneto timing.</li> <li>7) Visually inspected exhaust.</li> <li>8) Lubed turbo charger waste gate assemblies</li> <li>9) Ground run up and leak checked</li> </ol>		
 Bradley J. Stottlemyer AP 3171042 <b>POPLAR GROVE AIRMOTIVE, INC.</b>		

5-20-09  
N141EC  
343.5 hobbs

Changed oil and filter, inspect old filter, refill with Shell 15-50  
Ground ran

  
A&P344386227

Date 8-12-09	N141EC
Hobbs 394.5	
<ol style="list-style-type: none"> <li>1. Drained oil and inspected filter for contaminants—none noted.</li> <li>2. Installed and saftied new filter.</li> <li>3. Re-filled with Aeroshell 15W50 oil.</li> <li>4. Cleaned, gapped and rotated spark plugs.</li> <li>5. Ground run and leak checked.</li> </ol>	
 Bradley J. Stottlemyer AP 3171042 Poplar Grove Airmotive	

Date	Total Time		Time Since Last Overhaul		<h2>Engine Service and Maintenance Record</h2> <p>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>
	Hrs.	Min.	Hrs.	Min.	

Flight Forward

**Date: 11-17-09**  
**N141EC**  
**Hobbs: 444.0**

- 1) Drained oil and inspected filter for contaminants – none noted
- 2) Re-filled with (6) quarts Aeroshell 15W50
- 3) Installed and safetied new filter (CH48108-1)
- 4) Cleaned, gapped, and rotated spark plugs

*Clyde Mullins*  
**Clyde Mullins**  
**AP 2021298**

Engine Log book

Date: 11/19/2009; Aircraft: N141EC; Hobbs: 445.90; Tach:; Total Time:  
Shop Order #: SH-09-0552  
Discrepancy: 2  
FUEL FLOW TRANSMITTER READS 0.0 AFFECTING ALL FUEL POWER CALCULATIONS.  
Corrective Action:2  
INSPECTED ENGINE FUEL FLOW SENDING UNIT AND WIRING IN ENGINE COWLING, NO DEFECTS NOTED AT THIS TIME. OPERATIONAL CHECK OF FUEL FLOW, MANIFOLD PRESSURE, AND PERCENTAGE OF POWER GAUGER FUNCTIONING NORMALLY AT THIS TIME.  
Discrepancy: 3  
ROUGH LEFT MAGNETO DURING ENGINE GROUND RUN, SUSPECT CYLINDER NUMBER 2 EGT, AND CHT WERE BOTH LOW.  
Corrective Action:3  
FOUND THE CONTACT SPRING OF NUMBER TWO CYLINDER, TOP IGNITION LEAD WAS BENT OUT OF SHAPE AND NOT MAKING POSITIVE CONTACT WITH SPARK PLUG. REMOVED OLD CONTACT SPRING. INSTALLED NEW CONTACT SPRING PART NUMBER 10-32326 ONTO NUMBER TWO CYLINDER TOP IGNITION LEAD.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *Jeremy S. Burt* Dated: 11/19/09  
Tri-State Aero, Inc. 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221


Date: 1/20/2010; Aircraft: N141EC; Type: CIRRUS SR22; S/N: 2556; Hobbs: 412.1; Total Time: 412.1; Engine - Type: IO-550N46 Turbo STC, S/N: 690894, Time: 412.1; Prop - Type: PHC-J3YF-1N, S/N: FP5802B, Time: 412.1  
Ft Hobbs: 412.1 Hobbs: 465.9.

\*\*\*Engine Work\*\*\*

Completed an annual inspection in accordance with FAR 43, Appendix D and Tornado Alley Turbo Maintenance Manual.

AD 09-16-03 (9/9/09) Not applicable by Superior Air Parts "Investment" cast cylinders not installed. AD 09-19-07 (10/7/09) TCM EQ3 cylinder head assemblies, not applicable by engine model. AD 09-24-52 (11/18/09) Hydraulic valve lifters, not applicable by engine date of manufacture and lifters not replaced after 6/19/09.

Completed TCM SID 97-3E fuel injection system check and adjust fuel flows, next due 512.1 ACTT or 01/2011. Completed TCM SID05-7- 300 hr fuel injector nozzles, ultrasonically cleaning, reinstalled fuel nozzles to included proper torque and seal replacement, next due 712.1 ACTT.

Changed oil and filter (CH48108-1), took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1)75/80 #2) 70/80 #3) 72/80 #4)72/80 #5) 71/80 #6)74/80. Removed, cleaned, inspected, tested and rotated spark plugs, installed with (12) M-674 spark plug gaskets. Reinstalled left magneto p/n 10-500556-101 (S6RSC-25P), s/n D07DA116 and right magnet p/n 10-500556-101 (S6RSC-25P), s/n D07DA118 after repair (500 hr inspection) by Aircraft systems, Inc., CRS# KC2R947K, Wo# 43741, dated timed mag and timed mag to engine. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for ops and leak ck good. All work performed in accordance with approved/current technical data.

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

Don Hover

AP 127540217 IA

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

4-6-10  
N141EC  
460.8 tack

Changed oil and filter, inspect old filter, refill w/Shell 15-50  
Installed all new spark plugs RHB32E  
Ground ran

*David Dve*

A&P344386227

Date: 6/09/2010; Aircraft: N141EC; Type: CIRRUS SR22; S/N: 2556; Hobbs: 503.7; Total Time: 503.7  
Ft Hobbs: 503.7 Hobbs: 558.3.

\*\*\*Engine Work\*\*\*

Completed detailed visual of engine. Compression test as follows: #1) 74/80, #2) 60/80, #3) 75/80, #4) 72/80, #5) 78/80, #6) 74/80 (Master Oriface: 53psi.). Visually inspected exhaust system for cracks, no defects noted. Ground run for ops and leak ck good.

All work performed in accordance with approved/current technical data.

Clifford Sugden  
A&P2659994IA

*Clifford Sugden*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Bro

7-19-10  
 N141EC  
 576.5 hobbs  
 Changed oil and filter, inspect old filter, refill with Shell 15-50  
 Ground ran

A&P3497722

*David Row*

623.5	HOBBS	N141EC
568.9	FLIGHT	
11/11/2010	DATE	

1. Drained oil and inspected filter for contaminants (none found)
2. Installed new oil filter
3. Serviced with 6 quarts of Aeroshell 15W-50
4. Ground ran and leak checked

*Nick Cotter*  
 Nick Cotter AP3073624  
 Poplar Grove Airmotive

Date 11-26-2010  
 Hobbs 629.9  
 Flight Hobbs 575.3

N141EC

1. Removed engine cylinders number 2,4,and 6.
2. Installed new TCM cylinder assemblies with new rings,seals and gaskets.
3. Drained oil and inspected filter for contaminants, none noted.
4. Installed and saftied new filter.
5. Serviced with Phillips 20W50M oil.
6. Ground run up and leak checked.

*Bradley Stottlemeyer*  
 Bradley Stottlemeyer  
 AP 3171042  
 Poplar Grove Airmotive,Inc

Date: 1/21/2011; Aircraft: N141EC; Type: CIRRUS SR22; S/N: 2556; Hobbs: 595.2; Total Time: 595.2  
Flt Hobbs: 595.2 Hobbs: 649.8.

\*\*\*Engine Work\*\*\*

AD 10-11-14 (6/16/10) Hydraulic Lifter Wear, not applicable by no lifters replaced after 6/19/09.

Scott E. Yeager  
A&P2625357931A

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

**Ice Record**  
Special Inspections,

Date: 1/28/2011; Aircraft: N141EC; Type: CIRRUS SR22; S/N: 2556; Hobbs: 595.2; Engine - Type: IO-550N46  
Turbo STC, S/N: 690894, Time: 595.2; Prop - Type: PHC-J3YF-1N, S/N: FP5802B, Time: 595.2  
Flt Hobbs: 595.2 Hobbs: 649.8.

\*\*\*Engine Work\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D.

Removed waste gate, p/n 470842-0004, s/n JIN01128 and installed waste gate, p/n 470842-4, s/n JIN01100, after remanufacture by Tornado Alley Turbo, Inc. conforming with drawing # MDL ETI-G2-1 Rev. G, dated 05/16/2008. Replaced manifold pressure controller oil return lines p/n AE1014037E0100 with new. Replaced waste gate oil return line p/n AE6682E0200-180 with new. Rigged slave waste gate connect cable. Performed TCM SID97-3E and complied with fuel system setup per Tornado Alley ICA. Changed oil and filter p/n CH48108-1, took sample, cut filter, no metal noted, serviced engine with 8 qts. 15W50 Aeroshell. Compression test as follows: #1) 55/80 #2) 74/80 #3) 63/80 #4) 72/80 #5) 70/80 #6) 72/80. Master orifice on the day: 44/80. Cleaned, gapped and tested spark plugs. Checked engine control travels and lubricated. Retimed left and right magnetos to 22 degrees BTC. Cleaned fuel injectors and flow divider. Ground run for ops and leak ck good. All work performed in accordance with approved/current technical data.

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

John Podgorski  
AP35315931A

*John Podgorski*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

663.9 HOBBS

N141EC

2-16-2011

1. Cleaned and checked spark plugs
2. Checked magneto timing

*Terry Aavang*  
Terry Aavang  
A & P 3496617

4-1-11  
714.7 hobbs  
N141EC

Changed oil and filter – inspect old filter – refill w/ 6 qt. Shell 15-50  
Removed Iskra 6561818 starter s/n 06 249 0045 and installed a  
Sky-tec C24ST5 s/n 4C5-101124  
Ground ran

*David Roe*  
A&P3497722

**FAA - PMA**

Date

This tag certifies that Sky-Tec Model No. C24ST5  
 Serial No. 4C5-101124 was manufactured new on 15 Mar 2011  
 by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement  
 No. 6 per CFR14 Part 21 in accordance with Sky-Tec's  
 FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and  
 conforms to the relevant FAA-approved drawings. This part has been  
 determined to be airworthy.  
 For installation eligibility see [www.skytecair.com/eligibility.htm](http://www.skytecair.com/eligibility.htm)  
 Starter Installed on N 141EC by David Pve  
 (Aircraft) (Mechanic)

Brought f

*No weight revision necessary*

Form CC1108-1

**and Maintenance Record**  
 Airworthiness Directives, Special Inspections,  
 Bulletins

ENGINE MODEL:  
 ENGINE S/N:  
 REG. NO: N141EC  
 WORK ORDER:  
 6030-02-2011



**Lone Mountain Aviation, Inc.**

Repair Station No. L9OR473Y  
 2830 N. Rancho Dr. Suite A  
 Las Vegas, NV 89130  
 Phone: (702) 309-2200

DATE: 3/1/2011  
 A/C TSN: 677.9  
 ENG TT: 623.3  
 FLIGHTTIME: 623.3

**Engine Entries**

Replaced TIT probe per Tornado Alley Continued Airworthiness Inspection.... Adjusted MAP controller per Tornado Alley Continued Airworthiness Inspection.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/1/2011

SIGNED:

*Bill Dexheimer*

Bill Dexheimer  
 Certified Repair Station No. L9OR473Y

Work Order: 6030-02-2011

Printed by EBis 3 (datcomedia.com)

5-26-11  
 N141EC  
 740.7 hobbs

Removed starter drive from engine and reinstalled after overhaul under Poplar Grove Airmotive w/o 4104.

A&P3497722

*David Pve*

<u>766.3</u>	<b>TACH</b>	<b>N 141EC</b>
<u>n/a</u>	<b>TOTAL TIME</b>	
<u>n/a</u>	<b>SMOH</b>	
<u>7/7/2011</u>	<b>DATE</b>	

1. Drained oil and inspected filter, found ok
2. Installed new filter and saftied
3. Refilled with 6 qts 15W-50 Aeroshell oil
4. Cleaned and gapped spark plugs
5. Ground run and checked for leaks

*Terry L. Aavang*  
 Terry L. Aavang A&P 3496617  
**POPLAR GROVE AIRMOTIVE, INC.**

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Bro

N 141EC

<u>n/a</u>	<b>TACH</b>
<u>816.4</u>	<b>TOTAL TIME</b>
<u>816.4</u>	<b>HOBBS</b>
<u>3/9/2012</u>	<b>DATE</b>

1. Compression 1-58/80, 2-72/80, 3-58/80, 4-78/80, 5-62/80, 6-75/80  
master orifice reading 44/80
2. Drained oil and inspected filter, found ok
3. Refilled with 7 qts 20W-50 M oil
4. Installed and saftied new filter
5. Removed cylinder #4
6. Installed overhauled cylinder, PGA w/o 4595 with new seals and gaskets
7. Checked all engine controls for travel and security
8. Cleaned, gapped and checked spark plugs
9. Checked magneto timing
10. Cleaned fuel injector nozzles
11. Checked fuel sumps and screens
12. Ground run and leak checked

I certify that this engine has been inspected in accordance with annual inspection and was found to be in an airworthy condition.

  
Terry L Aavang IA 3496617  
**POPLAR GROVE AIRMOTIVE, INC.**

<u>867.1</u>	<b>Hobbs</b>
<u>867.1</u>	<b>TOTAL TIME</b>
<u>7/30/2012</u>	<b>DATE</b>

N141EC

- 1) Drained engine oil and checked oil filter
- 2) installed and safetied new oil filter
- 3) Refilled with 7 qt 15W-50 Aeroshell oil
- 4) Cleaned, gapped, and checked spark plugs
- 5) Ground run and leak checked

  
Terry L Aavang A&P 3496617  
**POPLAR GROVE AIRMOTIVE, INC.**

<u>900</u>	<b>Hobbs</b>
	<b>TOTAL TIME</b>
<u>11/30/2012</u>	<b>DATE</b>

N141EC

1. Drained oil and checked oil filter.
2. Installed and safetied new oil filter.
3. Refilled with qt 15W-50 Aeroshell oil.
4. Ground run and checked for leaks.

  
Terry L. Aavang A&P 3496617  
**POPLAR GROVE AIRMOTIVE, INC.**

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				



4255 Eastlake Blvd. Birmingham AL. 35217 FAA CRS Y4MR806Y 205-849-3838

**ENGINE LOG ENTRY**

Date	Registration Number	Serial Number	FLT HOBBS	ENGINE TSNEW
5-17-2013	N141EC	2556	866.0	866.0

- ACCOMPLISHED THE FOLLOWING TIME ITEMS:**
- C/W ANNUAL INSPECTION PER FAR 43 APPENDIX D USING CIRRUS SR22 M/M, CMI IO-550-N M/M & TAT INC. ICAs AS A GUIDE.
  - COMPRESSIONS CHECKS AS FOLLOWS #1 60/80 #2 70/80 #3 60/80 #4 72/80 #5 65/80 #6 73/80 MASTER ORIFICE READING 42
  - DRAINED OIL. REMOVED, INSPECTED & REPLACED OIL FILTER WITH NEW P/N CH48108. NO METAL NOTED. FILLED WITH AS15W50 OIL. LEAK & OPS CHECK GOOD
  - AD 2012-10-13 N/A BY TIME ON STARTER ADAPTER
- PERFORMED THE FOLLOWING REPAIRS**
- INSTALLED CHAFF PROTECTION ON #3B & #5B IGNITION LEADS BELOW BAFFLE
  - REPLACED ALL SPARK PLUGS WITH 12 EACH NEW PLUGS P/N UHRB32E LOT 01AF PER SR22 M/M CHAP 74-20
  - REPLACED MAGNETO FILTER WITH NEW FILTER P/N 04-6700015 PER TAT, INC ICA.
  - POST RUN LEAK AND OPS CHECKS GOOD.



4255 Eastlake Blvd. Birmingham AL. 35217 FAA CRS Y4MR806Y 205-849-3838

I certify that this aircraft, airframe, aircraft engine, propeller, or appliance has been inspected and repaired in accordance with current Federal Aviation Administration regulations and is approved for return to service. Pertinent details are on file at this station under work order E22250

Authorized Signature: Bill Hindi Date 5-17-2013  
Bill Hindi

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Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward  $\rightarrow$

**Tango Aviation** - Lawrenceville - Gwinnet Co Airport (KLZU)

(865) 437-8464 or (864) 985-8839

Cirrus SR22 N141EC Serial # 2556

Hobbs time: 969.0 Flight Time: 914.4 Date: 12/3/2013

Drained oil, removed filter, cut filter open, no metal found. Replaced filter with Tempest 48108 Filter. Took Oil Sample, refilled with 7 qts Aeroshell 100W and 1 qt Camguard. Ran engine, not leaks found.

Cleaned and gapped spark plugs.

*Tim Masters*

Tim Masters - Certificate # 2802663 A&P IA - Date 12/3/2013

Engine oil changed IAW AMM. Removed filter and cut open for inspection. No metal found. Installed Tempest AA48108 Oil Filter, Filled with 7 Qts Phillips 20-50 X-country oil. Ran engine, no leaks.

Removed Slave wastegate and Absolute Pressure controller for repairs and reinstalled repaired controller and wastegate

Hobbs: 972.1 Date 1/10/2014

Reg. N141EC

Tim Masters *Tim Masters* #2802663 IA

Engine oil changed IAW AMM. Removed filter and cut open for inspection. No metal found. Installed Tempest AA48108 Oil Filter, Filled with 7 Qts Phillips 20-50 X-country oil. Ran engine, no leaks.

Hobbs: 1002.3 Date 3/11/2014

Reg. N141EC

Tim Masters *Tim Masters*  
Certificate # 2802663 IA

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

## Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Complied with Annual Inspection.  
 Engine oil changed IAW AMM. Removed filter and cut open for inspection. No metal found. Installed Tempest AA48108 Oil Filter, Filled with 7 Qts Phillips 20-50 X-country oil. Ran engine, no leaks.  
 Removed Magnetos for 500 hr overhaul.  
 Replaced Magnetos overhauled by Aircraft Magneto Service

Compressions 1-66, 2-72,3-68, 4-72, 5-70, 6-74  
 Hobbs: 1061.1 Date 5/25/2014  
 Reg. N141EC  
 I certify that this Engine is approved for return to service

Tim Masters   
 Certificate # 2802663 IA



4510 Airport Rd.  
 Cincinnati OH 45226  
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N141EC S/N 2556 Date: 9/2/2014 Engine S/N 690894 Hobbs: 1090.5 Flight: 1027.6

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Routine oil sample taken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA




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**N141EC S/N 2556 Date: 12/26/2014 Engine S/N 690894 Hobbs: 1161.2 Flight: 1078.4**

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Routine oil sample taken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 4069015631A

*Greg Herrmann*



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**N141EC ENG. S/N: 690894 Date: 5/29/2015 Engine Flight: 1130.4 TSN: 1130.4**

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B4 Chapter 5-20.

The following work was accomplished at this time:

1. Compressions: 1)52/80 2)62/80 3)52/80 4)68/80 5)50/80 6)62/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of Aeroshell 15W-50.
3. Installed new oil filter p/n AA8108-2.
4. Routine oil sample taken for analysis.
5. Air filter recharged per Tornado Alley Turbo Service Instruction TAT SI08-05 rev. A.
6. Inspected fuel inlet filter.
7. Installed wear sleeve on both turbo charger support rods p/n 22-6200048
8. Fuel nozzles cleaned and inspected. Installed with new O-rings p/n 630979-9.
9. Installed new PRV chafe protection p/n 22-6100025.
10. Inspected magneto filter TATI p/n 04-6700015. Next due at flight: 1166.0
11. Installed new v-band clamps TATI p/n 11-1100023. Next due at flight: 1580.4
12. Installed new slave wastegate p/n ETI-G3-20-28 and gaskets p/n FG0120830.
13. Accomplished 100 hour inspection per TAT ICA manual 22-6460004 rev. A.
14. Performed TAT Turbo ICA manual functional inspection of fuel injection system.
15. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

**Airworthiness Directives**

All AD's complied with to this date

**Service Bulletins**

1. Accomplished Tornado Alley Turbo service bulletin TAT SB09-01. Inspected exhaust manifolds for cracks. None found. Next due at flight: 1180.4
2. Accomplished Tornado Alley Turbo service bulletin TAT SB10-01 Inspected alternate air door hinge and hinge pin. Next due: 5/2016
3. Accomplished Tornado Alley Turbo service bulletin TAT SB08-02. Anti-chafe patch on PRV/Y tube.
4. Accomplished Tornado Alley Turbo service instruction TAT SI08-01rev. A. Cleaned and inspected crankcase breather discharge tube. Next due at flight: 1180.4
5. Accomplished Tornado Alley Turbo service bulletin TAT SI11-01. Exhaust system cleaning, inspection and lubrication.
6. Accomplished Tornado Alley Turbo service bulletin TAT SI11-03. Anti chafe tubes on support rods.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 4069015631A

*Greg Herrmann*



AIRCRAFT REG: N141EC  
MFG: TCM  
MODEL: IO-550-N  
SERIAL: 690894  
HOUR METER: 1267.6

DATE: 7/5/15  
WORK PACKAGE: P5505  
TACH TIME: 1157.7 (FT)  
TOTAL TIME:  
TSMOH:

Installed NEW Sky-Tec. Starter p/n C24ST5 S/N 4C271506 Ops Checked Good. ( removed Sky-Tec starter Model C24ST5, sn: 4C5-101124)

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with 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 package no.

P5505

Signed: *Eddie S. Taylor* Eddie S. Taylor  
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341



**FAA - PMA**

This tag certifies that Sky-Tec Model No. C24ST5  
 Serial No. 4C5-271506 was manufactured new on 07 Jul 2015  
 by Sky-Tec under the authority of FAA-PMA No. PQ0852SW  
 Supplement No. 6 in accordance with Sky-Tec's  
 FAA-Approved Quality System (14CFR Part 21, Subpart K).  
 This article has been determined to be airworthy.  
 For installation eligibility see [www.skytecair.com/eligibility.htm](http://www.skytecair.com/eligibility.htm)  
 Installed on N N141EC by Eddie S Taylor  
 (Aircraft) (Mechanic)

Form CC1108-1

**and Maintenance Record**  
 orthiness Directives, Special Inspections,  
 etins

**EPPS**  
*Aviation*

AIRCRAFT REG: N141EC  
 MFG: TCM  
 MODEL: IO-550-N  
 SERIAL: 690894  
 HOUR METER: 1267.6

DATE: 7/5/15  
 WORK PACKAGE: P5505  
 TACH TIME: 1157.7 (FT)  
 TOTAL TIME  
 TSMOH:

Installed NEW Sky-Tec Starter p/n C24ST5 S/N 4C5 271506 Ops Checked Good, ( removed Sky-Tec starter Model: C24ST5, sr: 4C5-101124)

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with 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 package no. P5505

Signed: Eddie S Taylor Eddie S. Taylor  
 for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1



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**N141EC S/N 2556 Date: 9/10/2015 Engine S/N 690894 Hobbs: 1286.7 Flight: 1172.6**

1. Installed new #6 egt sensor p/n 16579-002.
2. Set magneto timing. Run-up checks good.

Greg Herrmann 4069015631A

*Greg Herrmann*



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**N141EC S/N 2556 Date: 10/8/2015 Engine S/N 690894 Hobbs: 1302.6 Flight: 1184.7**

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Routine oil sample taken for analysis. Run-up checks good. No leaks noted.

Greg Herrmann 4069015631A

*Greg Herrmann*





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**N141EC ENG. S/N: 690894 Date: 5/31/2016 Engine Flight: 1293.2 TSN: 1293.2**

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B4 Chapter 5-20.

The following work was accomplished at this time:

1. Installed 6 overhauled cylinder assemblies p/n 655932.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of Aeroshell Oil 100.
3. Installed new oil filter p/n AA8108-2.
4. Routine oil sample taken for analysis.
5. Air filter recharged per Tornado Alley Turbo Service Instruction TAT SI08-05 rev. A.
6. Inspected fuel inlet filter.
7. Installed wear sleeve on both turbo charger support rods p/n 22-6200048
8. Fuel nozzles cleaned and inspected. Installed with new O-rings p/n 630979-9.
9. Installed new #2 fuel nozzle p/n TITG-550-19B-E
10. Installed new left turbo heat shields p/n ETI-G3-20-25 and ETI-20-31.
11. Installed new right turbo large heat shield p/n ETI-G3-20-28.
12. Accomplished 100 hour inspection per TAT ICA manual 22-6460004 rev. A.
13. Performed TAT Turbo ICA manual functional inspection of fuel injection system.
14. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

**Airworthiness Directives**

All AD's complied with to this date

**Service Bulletins**

1. Accomplished Tornado Alley Turbo service bulletin TAT SB09-01. Inspected exhaust manifolds for cracks. None found. Next due at flight: 1343.2
2. Accomplished Tornado Alley Turbo service bulletin TAT SB10-01 Inspected alternate air door hinge and hinge pin. Next due: 5/2017
3. Accomplished Tornado Alley Turbo service instruction TAT SI08-01rev. A. Cleaned and inspected crankcase breather discharge tube. Next due at flight: 1343.2
5. Accomplished Tornado Alley Turbo service bulletin TAT SI11-01. Exhaust system cleaning, inspection and lubrication.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

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**N141EC S/N 2556 Date: 7/22/2016 Engine S/N 690894 Hobbs: 1439.5 Flight: 1318.1**

1. Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
2. 12 ounces of Cam-Guard added.
3. Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.
4. Routine oil sample taken for analysis.
5. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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**N141EC S/N 2556 Date: 10/4/2016 Engine S/N 690894 Hobbs: 1469.1 Flight: 1347.7**

1. Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
2. 12 ounces of Cam-Guard added.
3. Installed new oil filter p/n AA48108-2. Cut open old filter and inspected for metal debris. None found.
4. Routine oil sample taken for analysis.
5. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA

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Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					



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**N141EC S/N 2556 Date: 3/3/2017 Engine S/N 690894 Hobbs: 1512.3 Flight: 1390.8**

1. Changed engine oil.
2. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
3. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.
4. Routine oil sample taken for analysis.
5. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA

*Greg Herrmann*



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**N141EC ENG. S/N: 690894 Date: 6/9/2017 Engine Flight: 1417.5 TSN: 1417.5**

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B4 Chapter 5-20.  
The following work was accomplished at this time:

1. Compressions: 1)76/80 2)70/80 3)74/80 4)72/80 5)62/80 6)72/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of Aeroshell 15W-50.
3. Serviced oil with 12 ounces CamGuard.
4. Installed new oil filter p/n AA8108-2.
5. Routine oil sample taken for analysis.
6. Air filter recharged per Tornado Alley Turbo Service Instruction TAT SI08-05 rev. A.
7. Inspected fuel inlet filter.
8. Installed one new spark plug p/n URHB32E.
9. Fuel nozzles cleaned and inspected. Installed with new O-rings p/n 630979-9.
10. Installed new turbo lower support brackets p/n22-6250006. Spring p/n LCo85H03S, and bolt p/n MS20005-25.
11. Installed new right turbo large heat shield p/n ETI-G3-20-28.
12. Accomplished 100 hour inspection per TAT ICA manual 22-6460004 rev. A.
13. Performed TAT Turbo ICA manual functional inspection of fuel injection system.
14. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

**Airworthiness Directives**

All AD's complied with to this date

**Service Bulletins**

1. Accomplished Tornado Alley Turbo service bulletin TAT SB09-01. Inspected exhaust manifolds for cracks. None found. Next due at flight: 1467.5
2. Accomplished Tornado Alley Turbo service bulletin TAT SB10-01 Inspected alternate air door hinge and hinge pin. Next due: 6/2018
3. Accomplished Tornado Alley Turbo service instruction TAT SI08-01rev. A. Cleaned and inspected crankcase breather discharge tube. Next due at flight: 1467.5
5. Accomplished Tornado Alley Turbo service bulletin TAT SI11-01. Exhaust system cleaning, inspection and lubrication.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

*Greg Herrmann*



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**N141EC S/N 2556 Date: 10/3/2017 Engine S/N 690894 Hobbs: 1556.2 Flight: 1434.8**

1. Changed engine oil.
2. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
3. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.
4. Routine oil sample taken for analysis.
5. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA

*Greg Herrmann*



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**N141EC ENG. S/N:690894 Date: 11/10/2017 Engine Flight: 1585.9 TSN: 1585.9**

1. Adjust magneto timing to 21.5 degrees per tornado alley ICA.
2. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

Greg Herrmann 4069015631A

*Greg Herrmann*



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**N141EC S/N 2556 Date: 12/13/2017 Engine S/N 690894 Hobbs: 1593.6 Flight: 1472.1**

1. Changed engine oil.
2. Serviced oil with 8 qts. of 15w-50wt Aeroshell.
3. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found.
4. Routine oil sample taken for analysis.
5. Run-up checks good. No leaks noted.

Greg Herrmann 4069015631A

*Greg Herrmann*



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**N141EC ENG. S/N: 690894 Date: 6/1/2018 Engine Flight: 1500.4 TSN: 1500.4**

Inspected engine I/A/W an Annual inspection per Cirrus SR22 AMM rev. B4 Chapter 5-20. and 100 hour inspection per TAT ICA manual 22-6460004 rev. A.

The following work was accomplished at this time:

1. Compressions: 1)76/80 2)74/80 3)71/80 4)76/80 5)68/80 6)72/80 master orifice 42psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of Aeroshell 15W-50.
3. Serviced oil with 12 ounces CamGuard.
4. Installed new oil filter p/n AA8108-2.
5. Routine oil sample taken for analysis.
6. Installed new exhaust v-band claps p/n 11-1100023. Next due at Flight: 1950.4
7. Installed new bottom spark plug heli-coils in cylinder #2, #3 and #6.
8. Installed new right inboard and left outboard exhaust tailpipe springs p/n 51381-001.
9. Installed new turbo support rods p/n ETI-G2-600-35 and 36.
10. Installed both new turbo gaskets p/n 636465.
11. Installed both new waste gate support bracket bolts p/n MS21250-05020.
12. Installed new forward turbo support bushings p/n 22-6200023.
13. Installed new magneto air filter p/n 04-6700015. Next due: 6/2021
14. Installed new left turbo lateral support bracket p/n 22-6280001.
15. Inspected fuel inlet filter.
16. Installed all new Tornado Alley flexible line.
17. Performed TAT Turbo ICA manual functional inspection of fuel injection system.
18. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

**Airworthiness Directives**

All AD's complied with to this date

**Service Bulletins**

1. Accomplished Tornado Alley Turbo service bulletin TAT SB09-01. Inspected exhaust manifolds for cracks. Next due at flight: 1600.4
2. Accomplished Tornado Alley Turbo service bulletin TAT SB10-01 Inspected alternate air door hinge and hinge pin. Next due: 6/2019
3. Accomplished Tornado Alley Turbo service bulletin TAT SB11-04 Turbo oil supply inlet screen inspection. Next due: 6/2019
4. Accomplished Tornado Alley Turbo service bulletin TAT SB12-02 Check fuel pump for leaks. Next due: 6/2019
5. Accomplished Tornado Alley Turbo service instruction TAT SI08-01rev. A. Cleaned and inspected crankcase breather discharge Next due: 6/2018
6. Accomplished Tornado Alley Turbo service bulletin TAT SI08-04. Pressure test cabin heater augmentors. Next due: 6/2019
7. Accomplished Tornado Alley Turbo Service Instruction TAT SI08-05 rev. A. Air filter recharge Next Due: 6/2019
8. Accomplished Tornado Alley Turbo service bulletin TAT SI11-01. Exhaust system cleaning, inspection and lubrication. Next Due: 6/2019
9. Accomplished Tornado Alley Turbo service bulletin TAT SI11-03. Inspect turbo support rods. Next due: 6/2019
10. Accomplished Tornado Alley Turbo service bulletin TAT SI17-01. Flexible line replacement. Next due: 6/2028

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 4069015631A

*Greg Herrmann*



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**N141EC**  
Hobbs: 1687.3

Flight: 1565.9

May 22, 2019

1. Inspected this engine I/A/W a 100hour/Annual inspection per 14 CFR 43 Appendix D and Cirrus SR20 AMM rev. B5 Chapter 5-20  
Installed (12) P1003 - Washer.
2. Engine compressions taken. Master orifice: 43, Cylinder #1: 78, #2: 73, #3: 72, #4: 76, #5: 70, #6:71.
3. Oil change completed. Drained engine oil. Serviced with (8) 15W50 - Aeroshell. Installed (8) Aeroshell 15w50 - Engine oil.
4. Cut open old filter and inspected for metal debris. None found.
5. Installed (1) AA48108-2 - Oil Filter. Installed (1) aa48108-2 - Oil Filter.
6. Oil sample taken (1) 1151 - Kit: oil analysis, AOA Installed (1) 1151 - Kit: oil analysis, AOA.
7. Added 12.8 ounces 08-07097-1 - camguard. Installed (1) 08-07097-1 - camguard.
8. Post maintenance run up and leak checks good.
9. Secured RH turbo oil supply line above waste gate away from waste gate.
10. Secured #3 EGT probe away from turbo support bolt.
11. Rerouted alt 1 ground cable away from positive terminal.
12. Removed, cleaned, inspected, and reinstalled fuel injectors IAW AMM 73-00 Installed (2) 633958-3 - Seal, Installed (6) 640612 - Washer, Installed (12) SA630979-9 - O-ring.
13. Re-secured left bank high tension harnesses away from hose clamp.
14. Removed damage portion of scat tubing to inlet side of alternate air tube and reattached.
15. Saftied LH turbo mount bolts at crankcase.
16. Secured oil line from scavenge pump away from oil cooler.
17. Installed 10 new spark plugs. Installed (10) URHB32E - Spark Plug.
18. Installed new waist gate retaining clip Installed (1) AA55488-2 - pin.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Flightlogix under work order: wo\_284.

Greg Herrmann A&P IA 406901563



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**N141EC**  
Hobbs: 1741.2


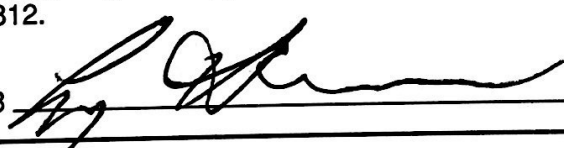
**Continental, IO-55N46, S/N: 690894**  
Flight: 1619.8 TSN: 1619.8

May 28, 2020

1. Inspected this engine I/A/W a 100hour/Annual inspection per 14 CFR 43 Appendix D and Cirrus SR20 AMM rev. B5 Chapter 5-20  
Installed (12) P1003 - Spark Plug Washer.
2. Engine compressions taken. Master orifice:43 , Cylinder #1:72 , #2:70 , #3:61 , #4:68 ,#5:60 , #6:62.
3. Oil change completed. Drained engine oil. Serviced with (8) 15W50 - Aeroshell.
4. Cut open old filter and inspected for metal debris. None found.
5. Installed (1) AA48108-2 - Oil Filter. Installed (1) AA48108-2 - Oil Filter.
6. Oil sample taken (1) 1151 - Kit: oil analysis, AOA.
7. Added 12.8 ounces 08-07097-1 - camguard. Installed (1) 08-07096 - Camguard.
8. Post maintenance run up and leak checks good.
9. Removed both magneto PN 10-500556-101 SN D17FA055 and PN 10-500556-101 SN D3021513.  
Installed magneto PN 10-500556-101 SN D17FA055 in LH position per Cirrus AMM 74-10. Installed new Surefly electric ignition magneto in RH position per Surefly Installation Instruction Documents SF1003 Revision B & SF2001 Revision IR. Removed ignition switch PN 50314-001 and installed new electroair horizontal mount ignition switch per electroair installation manual EA-13000. Installed serviceable RH ignition harness PN 10-423674-25 per Cirrus AMM 74-20.
10. Performed TAT SI 08-04 heat augmenter leak check.
11. Performed TAT SI 08-05 air filter servicing.
12. Performed TAT SI 11-01 exhaust system inspection.
13. Performed TAT SI 11-03 support bolt and bushing inspection.
14. Performed TAT SI 15-02; turbo shaft in acceptable condition.
15. Performed TAT SB 9-01 exhaust manifold inspection.
16. Performed TAT SB 10-1 alt air inspection.

OVER →

Date	Total Time	Time Since	Engine - page 2 of 2
wo: WO_674			
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<p>17. Performed TAT SB 11-04 oil screen cleaning.</p> <p>18. Performed TAT SB 12-02 fuel pump inspection.</p> <p>19. Replaced mixture rod end at fuel pump. Installed (1) mcs1104-3 - rod end.</p> <p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Flightlogix under work order: WO_674.</p> <p>Greg Herrmann A&amp;P IA 406901563 </p>			

			Engine - page 1 of 1
wo: WO_812			
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<b>N141EC</b> hobbs: 1774.8	<b>Continental, IO-55N46, S/N: 690894</b> flight: 1653.3	<b>September 28, 2020</b>	
<ol style="list-style-type: none"> <li>Oil change completed. Drained engine oil. Serviced with (8) 15W50 - Aeroshell.</li> <li>Cut open old filter and inspected for metal debris. None found.</li> <li>Installed (1) AA48108-2 - Oil Filter. I</li> <li>Oil sample taken (1) 1151 - Kit: oil analysis, AOA</li> <li>Added 12.8 ounces 08-07097-1 - camguard.</li> <li>Post maintenance run up and leak checks good.</li> <li>Adjusted magneto timing as per Cirrus SR22 AMM 74-10 and TAT ICA STC SA10588SC and SE10589SC.</li> </ol> <p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Flightlogix under work order: WO_812.</p> <p>Greg Herrmann A&amp;P IA 406901563 </p>			
