

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


Production Certificate 508

Printed: 06/13/2009

Test Date: 06/12/2009

This engine model I0550N60B , serial number 1000493 was manufactured 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.



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
7/27/09	3	0			THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC  CDC on July 28, 2009. Cirrus Design Corporation Duluth, MN USA PC# 338CE
7/28/09	3	0			<p align="center">Engine Log Book Entry</p> Date: July 28, 2009 Engine Time: 3.0 Installed the TAS100 preheater S/N 43011 in accordance with Tanis Aircraft Products instructions and drawing number 23622-002 Name: Troy McDonald A & P# PC-338-CE

ENGINE MODEL:
IO550N60B
ENGINE S/N: 1000493
REG. NO: 804LX
WORK ORDER:
4444-08-2009

Executive Beechcraft STL, Inc.

Repair Station No. DEBR152D
532 Beechcraft Ave.
Chesterfield, MO 63005
Phone: 636-532-4800

DATE: 08/27/09
A/C TSN: 28.7
ENG TT: 28.7
HOBBS: 28.7

Engine Entries

(1) Completed oil and filter change. Took SOAP sample. Serviced with 7 quarts Aeroshell 15W50 oil and new CH48108-1 filter.

Maintenance Release

With respect to the work performed, this engine is determined to be in an airworthy condition and is approved for return to service. Pertinent details of the repairs are on file at this repair station DEBR152D under the above noted work order.

DATE: 08/27/09

SIGNED: 

Work Order: 4444-08-2009

Robert Richards
Certified Repair Station No. DEBR152D

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO550N60B
ENGINE S/N: 1000493
REG. NO: 804LX
WORK ORDER:
5042-07-2010

Executive Beechcraft STL, Inc.

Repair Station No. DEBR152D
532 Beechcraft Ave.
Chesterfield, MO 63005
Phone: 636-532-4800

DATE: 8/11/2010
A/C TSN: 164.7
ENG TT: 164.7
HOBBS: 164.7

Engine Entries

(1) Completed an Annual Inspection referencing the Cirrus SR-22 Maintenance Manual p/n 13773-001, Reissue B dated June 15, 2010.... (2) Drained oil and took SOAP sample. Installed new CH48108-1 filter and added 8 qts Aeroshell 15W50.... (3) Completed compression check: (1) 78/80, (2) 76/80, (3) 77/80, (4) 77/80, (5) 78/80, (6) 78/80.... (4) Complied with TAT SB 10-01 Alternate Air Door Hinge Inspection.... (6) Complied with TAT SB10-02, Supplemental Tailpipe Hanger Inspection and installing new brackets, P/N 22-6200045 and 22-6200045-39.... (13) Installed new Left tail pipe support, P/N 22-6200045.... (25) Cleaned gapped and tested spark plugs.... (27) Replaced RH turbo inlet oil flange gasket p/n 652100.... (28) Replaced right cylinders fuel drain line p/n 13913-002.... (37) Complied with Tornado Alley Turbo ICA Scheduled Maintenance Checks.

Maintenance Release

I certify that this engine has been inspected in accordance with an Annual Inspection meeting the intent of 14 CFR 91.409 and Part 43, Appendix D and has been determined to be in an airworthy condition and is approved for return to service. Pertinent details of the inspection/repairs are on file at this repair station DEBR152D under the above noted work order.

DATE: 8/11/2010

SIGNED: 

Work Order: 5042-07-2010

John Merriman
Certified Repair Station No. DEBR152D

Printed by EBis 3 (datcomedia.com)

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



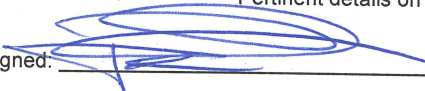
Logbook Entry
 Cirrus SR22 s/n 3488 N804LX
 DATE: 21-JUL-2011

AIRCRAFT TOTAL TIME: 312.0
 Engine Model: IO550N60B
 Engine S/N: 1000493
 Engine TT:312

532 Beechcraft Ave
 Chesterfield MO,63005
 Tel 636-681-5600
 Fax 636-530-6875
 www.weststaraviation.com

Performed annual inspection IAW Cirrus maintenance manual PN 13773-001 dated 5/31/2011.
 Resealed #5 exhaust pushrod tube seal.
 Installed new #2 cylinder lower spark plug p/n RHB 32S.
 Drained oil, cut open filter and inspected. Took oil sample. Installed a new filter p/n CH48108-1 and serviced with 8 quarts Aeroshell 15W50.
 Performed a compression check with the following results: #1-72/80, #2-72/80, #3-76/80, #4-68/80, #5-74/80, #6-73/80.

"I certify that this Engine has been inspected in accordance with current FAA Regulations, and is Approved for Return to Service with respect to the work performed"
 Pertinent details on file at this repair station under work order HK1.

Signed:  **Joe Parson**, Inspector for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

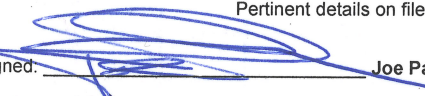
ENGINE MAKE:TCM
 ENGINE MODEL: IO-550-N-60B
 ENGINE S/N: 1000493
 REG. NO: N804LX
 WORK ORDER: 59



DATE: 8/23/2011
 A/C TSN: 330.1
 ENGINE TT: 330.1
 ENGINE TSO: NA
 HOBBS: 330.1

Drained oil, removed filter P/N Ch48108-1. Cut open filter and found no defects at this time. Installed new filter P/N Ch48108-1, torqued and saftied. Serviced with 8 qts of Aeroshell 100W/50. Performed SOAP sample.
 Boroscoped cylinders and no discrepancies were noted.
 Performed compression check: (1) 74/80; (2) 72/80; (3) 70/80; (4) 66/80; (5) 74/80; (6) 75/80.
 Removed, flushed oil cooler with clean oil, and installed .
 Removed turbo charger oil screens, flushed and reinstalled.
 Removed prop governor and flushed oil. Installed prop governor with new gasket p/n MS9144-01.

"I certify that this Engine has been inspected in accordance with current FAA Regulations, and is Approved for Return to Service with respect to the work performed"
 Pertinent details on file at this repair station under above noted work order.

Signed:  **Joe Parson**, Inspector for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

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

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU009966	10-10-11	N804LX	Cirrus	SR22	3488		350.2
Replaced K&N induction air filter, Cirrus p/n 33-2022. Replaced air conditioning drive bushings, p/n 1133089-1 and safetied bolts. Glued new heat shield tape in lower cowl.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature:						Otis D. Hudson, Jr. A&P3490004			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU10312	11-9-11	N804LX	Cirrus	SR22	3488	442.6	368.7
Troubleshoot fluxuating oil temp issue, replaced oil temp sensor, p/n MS28034-1, repaired oil temp sensor wiring harness, broken wire by installing new connector, p/n 53132-001. Replaced RH TIT probe, p/n ETI-G2-711-3. Drained oil, sample taken, (Aviation Labs), removed and inspected oil filter with no defects noted. Installed new filter, torqued and safetied. Serviced oil system with 8qts Aeroshell W100 oil. Cleaned, grd run, ops and leak check good.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature:						Otis D. Hudson, Jr. A&P3490004			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU 10860	1-13-11	804LX	CIRRUS	SR22	3488	483.0	400.0
Removed linkages, hoses and battery for access. Removed starter adapter for outside repair. Reinstalled repaired starter adapter, hoses, linkages, and battery. Ground ran ops and leak checks ok. Repair performed by Triad Aviation Repair station# PP4R448M, WO# 19687.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature:						J.Shawn Crean A&P 3230521			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441					Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make			Model	Serial No.
		RDU-11080	9 FEB 2012	804LX	Cirrus	SR22	3488	500.6	414.0
Engine: S/N: 1. Performed 100 hour Firewall Forward inspection IAW TCM ICA, Chapter 5 inspection checklist. 2. Performed compression test: 1) 60/80 2) 62/80 3) 62/80 4) 58/80 5) 64/80 6) 66/80. Master orifice:38 psi. 3. Drained oil and removed filter, inspected filter for contamination, No contamination noted, Installed, torqued and safetied new filter P/N: AA48108-2. Serviced engine with 7 qts. Oil, type: AeroShell W100, Oil sample taken for analysis. 4. Cleaned and regapped all spark plugs. Checked mag. timing. Inspected all baffling, plumbing, wiring and component security. Checked cylinder and fuel nozzle condition. Lubed engine controls. AD and SB researched. 5. Performed ground run/ operational check, fuel system checked per TCM SID 97-3E, found within limits, ops and leak check good. 6. Performed inspection of Turbo system per TAT ICA. ***** End *****									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature:						Gregory P Ziegler A&P 3452313			

Engine Service and Maintenance Record

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

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

Engine LogBook Entry	TAC Air	TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441				CIRRUS	Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make		Model	Serial No.	Hobbs Time
		RDU11311	3-8-12	N804LX	Cirrus	SR22	3488	553.5	459.1
TCM, IO-550-N60B, S/N 1000493, TAT STC'ed. The following maintenance was performed for scheduled 50 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Aero Accessories P/N: AA48108-2, torqued and safetied. Serviced engine with 7 qts. oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis. Performed 50 hour inspection per Continental IO-550-N Maintenance Manual M-16, Sect. 6-3.3, Table 6-12 checklist as revised. Performed inspection of turbo system per TAT ICA 22-6460004 as revised. The following discrepancies were addressed on this inspection: Complied with TAT Mandatory SB 11-05 Replacement of Fine Wire Spark Plugs, replaced with Champion RHB29E plugs per bulletin. Performed engine run and leak check, no leaks or defects noted.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature: <i>Otis D. Hudson, Jr.</i>						Otis D. Hudson, Jr. A&P3490004			

Engine LogBook Entry	TAC Air	TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441				CIRRUS	Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make		Model	Serial No.	Hobbs Time
		RDU- 11419	3/20/2012	N804LX	Cirrus	SR22 TAT	3488	568.7	471.2
Eng. Model: IO-550-N60B S/N: 1000493 Performed adjustment of manifold pressure controller per TAT 22-6460004, operational check/ engine run nominal. ***** End *****									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature: <i>AdP 3236539</i>						AdP 3236539			

Engine LogBook Entry	TAC Air	TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441				CIRRUS	Authorized Cirrus Service Center		
		Work Order No.	Date	"N" Number	Aircraft Make		Model	Serial No.	Hobbs Time
		RDU-11818	8 MAY 2012	N804LX	Cirrus	SR22	3488	620.0	512.5
Engine: TCM IO-550-N60B SN 1000493, Tornado Alley Turbo STC installed. The following maintenance was performed for scheduled 100 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis. Performed 100 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.4 table 6-13 checklist as revised. Performed compression check of cylinders: 1) 70/80, 2) 72/80, 3) 68/80, 4) 68/80, 5) 68/80, 6) 72/80. master orifice: 43 PSI. Performed bore-scope of cylinders, removed, cleaned, tested, gapped, rotated and reinstalled spark plugs. Checked magneto to engine timing. Performed engine run and leak check, checked fuel setup per SID97-3E, no leaks or defects noted. The following discrepancies were addressed on this inspection: Insulated chaffed spot on scat hose under right exhaust, tightened V-band clamp at exhaust to right turbo.									
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.									
Authorized Signature: <i>Gregory P. Ziegler</i>						Gregory P. Ziegler A&P 3452313			

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

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU 12158	6-18-12	804LX	CIRRUD	SR22TAT	3488	675.1	558.8
The following maintenance was performed for scheduled 50 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell 100W. Oil sample taken and sent to Avlab for analysis. Performed 50 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.3 table 6-12 checklist as revised. Performed inspection of turbo system per TAT ICA 22-6460004 as revised. Performed engine run and leak check, no leaks or defects noted.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:				<i>J Shawn Crean</i>		J.Shawn Crean A&P 3230521	

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-12363 RDU-12450	1 AUG 2012	N804LX	Cirrus	SR22	3488	719.7	595.7
Engine: TCM IO-550-N60B, SN:1000493, TAT STC installed. Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis. Performed 100 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.4 table 6-13 checklist as revised. Performed compression check of cylinders: 1) 64/80, 2) 68/80, 3) 70/80, 4) 70/80, 5) 74/80, 6) 74/80. master orifice: 46 PSI. Performed bore-scope of cylinders, removed, cleaned, tested, gapped, rotated and reinstalled spark plugs. Inspected Turbo STC installation IAW TAT ICA 22-6460004. No defects noted. Inspected exhaust manifolds IAW TAT SB 09-01. Replaced RH exhaust manifold TAT P/N 22-6850003, S/N on 23383., with new gasket P/N TN Kit 23477. IAW TAT ICA 22-6460004. Leak and operational checks good. Replaced Turbo exhaust V-band clamps P/N 11-11000023 IAW TAT ICA 22-6460004. Due replacement at FH 945.7. LH Magneto P/N 10-500556-101, SN D09DA189 500 Hour Inspection accomplished by Quality Aircraft Accessories under W/O 01170003702.001. RH Magneto P/N 10-500556-101, SN D08HA175 500 Hour Inspection accomplished by Quality Aircraft accessories under WO 01170003702.002. Reinstalled magnetos and timed to engine. Ground run up operation normal. Due reinspection at FH 1095.7. Removed, cleaned, flow checked and reinstalled all six fuel nozzles IAW Gami IP-2001-Q2. Replaced #5 Cyl valve cover gaskets P/N 655705. Performed engine run and leak check. checked fuel setup per SID97-3E, no leaks or defects noted. AD search complied with using ATP revision date 6/4/12. See AD report printed 8/1/12. I certify that this Engine has been inspected for an Annual Inspection per FAR43 Appendix D using Cirrus Design SR22 Inspection Checklist 05-20 and Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.4 table 6-13 checklist as revised as a reference and was determined to be in an airworthy condition and is approved for return to service for the work performed at this date and time.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:				<i>Darryl H. Evans Jr.</i>		Darryl H. Evans Jr. A&P 2772468 IA	

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU 12545	8-8-12	804LX	CIRRUS	SR22	3488	727.2	601.9
Removed defective number two alternator and installed new alternator P/N 657199 S/N H-M012149 IAW AMM 24-30. Reinstalled baffling and induction pipes removed for access. Ground ran and ops checks ok.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:				<i>J Shawn Crean</i>		J.Shawn Crean A&P 3230521	

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

Brought Forward →

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-12794	14 SEP 2012	N804LX	Cirrus	SR22	3488	784.7	649.9
<p>The following maintenance was performed for scheduled 50 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis. Performed 50 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.3 table 6-12 checklist as revised. Performed inspection of turbo system per TAT ICA 22-6460004 as revised. Adjusted LH mag timing. Performed engine run and leak check, no leaks or defects noted.</p> <p>I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.</p>							
Authorized Signature:				Gregory P. Ziegler A&P 3452313			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Time
13221	11/06/2012	N804LX	Cirrus	SR22	3488	817.4	676.2
<p>Removed, cleaned and replaced fuel injectors for 300 hr inspection with new o-rings PN 630979-9, rubber washers PN 640612, crush washers PN X1473, replaced #1 fuel injector with PN 18B G per TCM injector manual section F leak check run good. Next injector cleaning due 976.2. Removed 8 valve covers and replaced gasket PN 655705 on cyl. #1 intake #3 both #4 both #5 exhaust #6 both. Leak check run good.</p> <p>I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.</p>							
Authorized Signature:				Ryan C. Offenberger A&P 3552073			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-13476	13 DEC 2012	N804LX	Cirrus	SR22	3488	841.4	695.7
<p>Engine: TCM IO-550-N60B SN: 1000493 TAT Turbo STC The following maintenance was performed for scheduled 100 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis.....Performed 100 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.4 table 6-13 checklist as revised. Performed 100 hour inspection IAW TAT ICA 22-6460004. Performed compression check of cylinders: 1) 62/80, 2) 64/80, 3) 64/80, 4) 62/80, 5) 70/80, 6) 68/80. master orifice: 38 PSI. Performed bore-scope of cylinders, removed, cleaned, tested, gapped, rotated and reinstalled spark plugs. Checked magneto to engine timing. Performed engine run and leak check, checked fuel setup per SID97-3E, no leaks or defects noted.</p> <p>I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.</p>							
Authorized Signature:				Gregory P. Ziegler A&P 3452313			

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-13600	3 JAN 2013	N804LX	Cirrus	SR22	3488	844.9	698.1
<p>Engine: TCM IO-550-N60B SN: 1000493 Turbo: TAT Turbo STC Replaced Starter Adapter with PN 64285-1A1 SN TA20346 repaired by Triad Aviation RS# PP4R448M on WO# 20346 IAW TCM IO-550-N MM Section 16. Leak and ops checks normal.</p> <p>I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.</p>							
Authorized Signature:				Gregory P. Ziegler A&P 3452313			

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

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-13715	16 JAN 2013	N804LX	Cirrus	SR22	3488	860.2	710.6
Engine: TCM IO-550-N60B SN: 1000493 TAT Turbo STC For #3 cyl CHT/EGT high, swapped #3 cyl and #2 cyl fuel injectors, both type F. Leak and ops checks normal. I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:					Gregory P. Ziegler A&P 3452313		

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Tach. Time
RDU-13924	12 FEB 2013	N804LX	Cirrus	SR22	3488	912.6	753.6
Engine: TCM IO-550N60B SN: 1000493 TAT STC The following maintenance was performed for scheduled 50 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 6 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis.....Performed 50 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.3 table 6-12 checklist as revised. Performed inspection of turbo system per TAT ICA 22-6460004 as revised. Performed engine run and leak check, no leaks or defects noted.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:					Gregory P. Ziegler A&P 3452313		

Engine LogBook Entry		TAC Air Aircraft Maintenance 1725 E. International Drive, Raleigh NC 27623 Raleigh Durham International Airport Phone: (919) 840-4440 Fax: (919) 840-4441		Authorized Cirrus Service Center			
Work Order No.	Date	"N" Number	Aircraft Make	Model	Serial No.	Hobbs Time	Flight Hobbs
RDU-14194 RDU-14176	18 MAR 2013	N804LX	Cirrus	SR22	3488	959.7	792.2
Engine: TCM IO-550-N60B SN: 1000493 TAT Turbo STC The following maintenance was performed for scheduled 50 hour service: Drained oil and removed filter, inspected filter for contamination, No contamination noted. Installed new oil filter. Champion P/N: CH48108-1, both torqued and safetied. Serviced engine with 7 qts. Oil, type: Aeroshell W100. Oil sample taken and sent to Avlab for analysis. Performed 50 hour inspection per Continental IO-550-N Maintenance Manual M-16 Sect. 6-3.3 table 6-12 checklist as revised. Performed inspection of turbo system per TAT ICA 22-6460004 as revised. Performed engine run and leak check, no leaks or defects noted. Replaced LH exhaust manifold PN22-6850011 with gasket kit PN MGKC IAW TAT ICA 22-6460004. Leak and ops checks normal.							
I certify the entry identified above was repaired and inspected in accordance with current FAA Regulations and for the work performed only and was found airworthy and is approved for return to service. Pertinent details of this repair are on file at this facility.							
Authorized Signature:					Gregory P. Ziegler A&P 3452313		

Date: 3/07/2013, Aircraft: N804LX, Type: SR22, S/N: 3488 Hobbs: 955.0
 Continental IO-550-N(60), s/n: 1000493
 Removed starter and starter adapter. Reinstalled starter adapter after repair performed by Triad Aviation, Inc., WO# 20451, Date: 3-6-2013. Installed new starter (Sky-Tec m/n: C24ST5, s/n: 4C5-491217). Adjusted fuel injection system (ref. Tornado Alley Turbo, Inc. document 22-6460004, Continued Airworthiness Manual, Rev. C, 22-Sep-2011). Ground operation and leak checks were performed and no leaks noted. The aircraft, airframe, aircraft 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 Shop Order No: 20448, Dated: 07-Mar-2013.

SIGNED:
 Inspector for FAA CRS PP4R448M
 Triad Aviation, Inc. 3439 South Aviation Drive, Burlington, NC 27215
 336-227-1467

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

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9177 07-August-2013 WO# 5841 REF# 5841 AC TT 826.0 HOBBS 1000.9
N804LX S/N 3488 CIRRUS SR22 TN
FHM 826.0 TSN 826.0 TSO 826.0 Pg 1 / 1

ENGINE
 *ADJUSTED FUEL PRESSURES IAW TORNADO ALLEY MANUAL, CIRRUS 22-6460004 CONTINUED AIRWORTHINESS REV. C (22 SEP 2011) TO PREVENT HIGH CHT TEMPS AT CRUISE AND LOP.
 *REMOVED, CLEANED, INSPECTED, AND REINSTALLED FUEL INJECTORS WITH NEW SEALS AS REQUIRED. LEAK CHECK: GOOD. ALL IAW CIRRUS SR22 MM 5-20 AND TCM MANUAL X30634A. NEXT CLEANING DUE AT 1126.0 FHM OR AUG 2014.
 *REPLACED SLAVE WASTE GATE RETURN SPRING PN:LEM120D03S
 SWAPPED # 1 INJECTOR WITH #2 AND # 3 WITH #6 OPS CHECKED SAT.
 ADJUSTED MAP CONTROLLER TO 30 IN
 *REPLACED UPPER DECK SCHEET TUBES THAT HAD DEFECTS WITH NEW. PN: SCHEET 5.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

Douglas Duncan 8-7-13
 DOUGLAS DUNCAN A&P/IA 3384163 DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9176 07-August-2013 WO# 5841 REF# 5841 AC TT 826.0 HOBBS 1000.9
N804LX S/N 3488 CIRRUS SR22 TN
FHM 826.0 Pg 1 / 1

AIRFRAME
 *COMPLETED TAT SB09-01 CRANKCASE BREATHER TO EXHAUST PIPE CLEANING. NEXT DUE AT NEXT OIL CHANGE.
 *REMOVED ENGINE K&N AIR FILTER, CLEANED AND SERVICED FILTER. AIR FILTER MUST BE RECHARGED EVERY 100 HOURS OR 12 MONTHS, AIR FILTER ASSEMBLY MUST BE REPLACED AFTER 25 CLEANINGS OR SOONER IF ANY DETERIORATION OR DAMAGE IS FOUND NEXT DUE 926.0 FHM OR AUG 2014 IAW TAT SI08-05
 *REPLACED RT SLAVE WASTE GATE PIVOT PIN DUE TO WEAR. PN: MS20392-1C13
 *REMOVED AND REPLACED FUEL FLOW SENSOR PN:15415-001 WITH NEW IAW CMM 73-30 OPS CHECKED GOOD
 *REMOVED GASCOLATOR BOWL AND SCREEN, CLEANED AND INSPECTED SCREEN, AND REINSTALLED GASCOLATOR SCREEN AND BOWL WITH NEW SEALS, P/N MS29513-137, NAS1523-8B, IAW CIRRUS SR22 MM 28-20. OPS/LEAK CHECK: GOOD.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

Douglas Duncan 8-7-13
 DOUGLAS DUNCAN A&P/IA 3384163 DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9178 08-August-2013 WO# 5843 REF# 5843 AC TT 830.9 HOBBS 1008.0
N804LX S/N 3488 CIRRUS SR22 TN
FHM 830.9 Pg 1 / 1

AIRFRAME
 *SERVICED OXYGEN AND PURGED SYSTEM DUE TO LOW PRESSURE, AND RESERVICED. IAW PRECISE FLIGHT ICA.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

Douglas Duncan 8-8-13
 DOUGLAS DUNCAN A&P/IA 3384163 DATE

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

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9179 08-August-2013 WO# 5843 REF# 5843 AC TT 830.9 HOBBS 1008.0
N804LX S/N 3488 CIRRUS SR22 TN
FHM 830.9 TSN 830.9 TSO 830.9

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ENGINE
 *INSPECTED ODD NUMBER CYLINDERS COMPRESSIONS, #1 44/80, #3 56/80, #5 70/80 MASTER ORIFICE 42/80. ALL LEAKING THROUGH EXHAUST VALVES.
 INSPECTED SPARK PLUGS FOR #1,3,5 FOUND #1 & 3 PLUG NOT PROPERLY FIRING, #5 WAS MARGINAL. REPLACED PLUGS WITH SERVICABLE FINE WIRES, RHB32S, OPS CHECK SAT.
 ADJUSTED FUEL PRESSURE 1/2 TURN IN TO LOWER MAX FLOW.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

Douglas Duncan 8-8-13
 DOUGLAS DUNCAN A&P/IA 3384163 DATE

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9225 20-September-2013 WO# 5859 REF# 5859 AC TT 838.0 HOBBS 1016.8
N804LX S/N 3488 CIRRUS SR22 TN
FHM 838.0 TSN 838.0 TSO 838.0

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ENGINE
 *COMPLETED ANNUAL INSPECTION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22 MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH CURRENT ATP REVISION 8/27/13. NEXT ANNUAL INSPECTION DUE SEP 2014.
 *COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER SID 97-2 AND SB03-3.
 *COMPRESSION: #1-52/80; #2-68/80; #3-49/80; #4-63/80; #5-66/80; #6-72/80. (M/O:42/80)
 *DRAINED OIL; TOOK SAMPLE; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N AA48108-2; SERVICED WITH 8 QTS AEROSHELL 100 MINERAL OIL. LEAK CHECK: GOOD. ALL IAW CIRRUS SR22 MM 12-10.
 *COMPLIED WITH FUEL SYSTEM SETUP PER SID 97-3F. OPS/LEAK: GOOD.
 REMOVED, CLEANED, INSPECTED, AND REINSTALLED FUEL INJECTORS WITH NEW SEALS AS REQUIRED. LEAK CHECK: GOOD. *ALL IAW CIRRUS SR22 MM 5-20 AND TCM MANUAL M16. NEXT CLEANING DUE AT 1138.0 FHM OR SEP 2014.
 *REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.
 *C/W TAT SB12-02 INSPECTION OF ENGINE DRIVEN FUEL PUMP FOR LEAKS. LEAKAGE FOUND SEE NEXT LINE FOR REPAIR ACTION.
 *REMOVED ENGINE DRIVEN FUEL PUMP FOR REPAIR BY GREAT PLANES FUEL METERING FOR LEAKING AT SHAFT. INSTALLED AFTER REPAIR AND ADJUSTED AS NEEDED. IAW TCM M-16 M (ETI-SR22-2-12 \ GP5499)
 *C/W TAT SI 08-01 ENGINE CRANK CASE EXHAUST TUBE CLEANING.
 *REMOVED #1 & #3 CYLINDERS FOR HIGH CHT TEMPS AND SCORING ON THE CYLINDER WALLS.
 P/N 655932A4, FOR REPAIR BY TRIAD AVIATION, AND REINSTALLED SAME REPAIRED CYLINDERS, WITH NEW GASKETS AND HARDWARE AS NECESSARY, IAW TCM IO550N ICA AND 15490-002. OPS/LEAK CHECK: GOOD.
 *REMOVED AND REPLACED LT & RT TURBOS PN:466304-9003 SN: LIL00125 & LLL00125 WITH OVERHAULED UNITS FROM QUALITY AIRCRAFT NEW SN: H-QBR00164 & H-QBR00163 FOR BEARING AND COMPRESSOR BLADE DAMAGE. IAW TAT STC INSTALL INSTRUCTIONS. OPS CHECKED GOOD

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9225 20-September-2013 WO# 5859 REF# 5859 AC TT 838.0 HOBBS 1016.8
N804LX S/N 3488 CIRRUS SR22 TN
FHM 838.0 TSN 838.0 TSO 838.0

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I CERTIFY THAT THIS AIRCRAFT, ENGINE, OR PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

Douglas Duncan 9-20-13
 DOUGLAS DUNCAN A&P/IA 3384163 DATE

Engine Service and Maintenance Record

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

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

December 19, 2013

N804LX	CIRRUS SR22 TN 2009	S/N 3488	FLIGHT 866.9 Hrs	Hobbs Hrs
CONTINENTAL	IO 550N 60B	S/N 1000493	FLIGHT 866.9 Hrs	Hobbs Hrs
HARTZELL	PHC-J3Y1F-1N	S/N NJ133B	FLIGHT 866.9 Hrs	Hobbs Hrs

Removed cowling, removed oil filter. Re-clocked fuel pump for proper mixture travel, checked and found satisfactory. Installed new AA48109 filter, 1 quart 20W50XC oil and cowling, ground run, removed top cowling and checked for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


JIM BARKER A&P 2755069
 Hangar (715) 822 5787
 Cell (715) 491 1303
 Email jim@aviationvibes.com

AVIATION RESOURCES, LLC
 101 Airport Ave Hangar 7
 Cumberland, WI 54829
www.aviationvibes.com

December 12, 2013

N804LX	CIRRUS SR22 TN 2009	S/N 3488	FLIGHT 857.7 Hrs	Hobbs 1043.4 Hrs
CONTINENTAL	IO 550N 60B	S/N 1000493	FLIGHT 857.7 Hrs	Hobbs 1043.4 Hrs
HARTZELL	PHC-J3Y1F-1N	S/N NJ133B	FLIGHT 857.7 Hrs	Hobbs 1043.4 Hrs

Removed cowling. Replaced alternator brush set with new brushes ALE-1013AS. Removed exhaust and cylinders #2, #4 #5 and #6, routed to Bolduc Aviation for repair; received same units as repaired under W/O 26931, replaced lifter bodies as required and installed cylinders and associated engine components. Removed alternator #2 bracket and installed new bracket P/N 646405. Replaced both magnetos with units from Bolduc Aviation under W/O 26812 and 26676, s/n K099825D and D081A180R respectively. Replaced ignition lead end springs with new. Replaced 12 Champion fine wire spark plugs with new Tempest URHB32S units. Removed oil filter and oil, installed new Tempest AA48109 filter and 8 quarts Phillips 20W50 type M oil. Replaced numerous bushings, sleeves and hardware on exhaust system. Replaced oil dipstick cap gasket with new p/n SA630892. Ground run, operation check found satisfactory, leak check found satisfactory.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


JIM BARKER A&P 2755069
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 101 Airport Ave Hangar 7
 Cumberland, WI 54829
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December 14, 2013

N804LX	CIRRUS SR22 TN 2009	S/N 3488	FLIGHT 866.3 Hrs	Hobbs Hrs
CONTINENTAL	IO 550N 60B	S/N 1000493	FLIGHT 866.3 Hrs	Hobbs Hrs
HARTZELL	PHC-J3Y1F-1N	S/N NJ133B	FLIGHT 866.3 Hrs	Hobbs Hrs

Removed cowling, drained oil and removed filter, inspected for contamination, none found, installed new Tempest AA48109 filter and 7 quarts Phillips 20W50XC oil. Removed #2 thru #6 lower spark plugs and top #1 spark plug, checked magneto to engine timing and adjusted from Left @ -1.0 degrees and Right from -1.1 degrees of nominal of 21.5 degrees BTDC to both at 21.5 degrees BTDC. Replaced fuel injectors #1 to "F" and #5 to "G". Installed spark plugs and cowling, ground run, removed top cowling and checked for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


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

HERITAGE
AVIATION



Engine Log

N804LX – Cirrus SR22 S/N: 3488
 Airframe Hobbs 1123.1 Flight Hobbs: 921.5
 TCM IO-550N46 SN 689531 Engine Hours: 921.5

Complied with the following items:

- Perform pre-annual run-up and operational checks per the Cirrus SR22 checklist.
- Perform engine compression test 1) 78/80, 2) 75/80, 3) 78/80, 4) 76/80, 5) 78/80, 6) 77/80.(Master Orifice reading 70)
- Inspected engine oil filter for metal, (routine-none found.)
- Install and safety new oil filter PN CH48109-1.
- Service engine with 7 qts Phillips XC 20W50
- Cleaned Fuel injectors and fuel screen.
- Inspect, clean, gap and rotate spark plugs.
- Check Magneto to engine timing.
- Removed left exhaust manifold for repair due to riser damage at cylinder #4. Re-installed left exhaust assembly after repair by Knisley Exhaust Systems CRS NJ3R712L WO# 149719 dated 10/01/2014. Reference the TAT exhaust ICA document 22-6460004 Continued Airworthiness Rev. C.
- C/W the Tornado Alley ICA per the Annual/100 hr. items listed on TAT ICA #22-6460004 Rev A. which include S108-04, Test of Exhaust tail pipe for leaks/inspection. No defect noted. S108-05, air filter recharge/inspection. No defect noted. S111-01, Slip joint inspection and lube. S111-03, Turbo support inspection. SB09-01, turbo exhaust mount for cracks. SB10-01, verifying the alt air door hinge pin integrity. SB10-02, Tail pipe support bracket inspection. SB12-02, engine driven fuel pump for leaks. No defects noted.
- Perform post annual ground runs, check for leaks. No defects or leaks noted.
- Check AD status to ATP Content Rev. 10/07/14.

I certify that this Engine has been inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved for Return to Service" for work performed.

Date: October 10, 2014 Sign:  Charles Thibault for CRS-IGXR989E WO#SH16427



LACONIA MUNICIPAL AIRPORT
 118 KIMBALL ROAD
 GILFORD, NH 03249
 603-293-0800
ENGINE ENTRY
N804LX HOBBS: 1184.7 JULY 29, 2015

OIL DRAINED, FILTER REPLACED, REFILLED WITH 7QTS AEROSHELL 15W50; OPERATIONAL RUN-UP AND LEAK CHECK GOOD. RETURN THIS AIRCRAFT TO SERVICE IN REGARDS TO THE WORK PERFORMED.

 A&P3474976
 CHRISTIAN CLAYTON



Date: 11/21/2018; Aircraft: N804LX; Type: SR22T; S/N: 3488; Hobbs: 1382.30; Tach:; Total Time: 1120.00

*Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.

Performed a Differential Compression Check with the following results: Cylinder #1 73/80, Cylinder #2 74/80, Cylinder #3 72/80, Cylinder #4 75/80, Cylinder #5 76/80, Cylinder #6 77/80.

Checked the Magneto Timing.

Cleaned, gapped, and tested the spark plugs.

Lubricated the engine controls and slip joints after cleaning.

*Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1 torqued and safetied. Added 8 quarts of 20W50 Phillips X/C oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

*Complied with Tornado Alley Turbo, Inc. Time Limit and Maintenance Inspection Checklist and TCA ICA items.

*Adjusted the right and left magnetos to manufacturer specifications. 22 degrees BTDC.

*Complied with SI17-01Rev A fluid carrying hose replacement due date. The date on hoses 4th quarter 2009. Hoses due for replacement in 2019.

*Complied with SB12-02, inspection of the engine driven fuel pump for leakage with no leaks detected.

*Complied with SI08-01 crankcase breather tube inlet on tail pipe cleaning in accordance with service instructions. next due at annual or 50hrs.

*Complied with SI08-04, cabin heat augmentser/tail pipe alternate inspection in accordance with the service instructions with no leaks detected at this time.

*Complied with SB09-01, inspection for cracks at the exhaust manifold and turbo mount flanges with no cracks detected at this time.

*Complied with SB10-01, alternate air door assembly inspection in accordance with the service instructions with no defects noted at this time.

*Complied with SB10-02Rev B, inspection of the tail pipe support brackets with no discrepancies noted at this time.

*Complied with SB1104, cleaning and inspection of the turbo oil inlet screens in accordance with the service instructions with no discrepancies noted at this time.

*Complied with SI11-03, inspection of the turbo charger support rods and bolt. installed new Teflon heat shrink on the rods in accordance with the service instructions.

*Removed heat shield, #6 and #4 CHT probes to access fuel drain assembly. Removed the old drain assembly. Installed a new drain line assembly p/n 658752. Repositioned #4 heat shield. Reinstalled #4 and 6 CHT probes. Secured the drain line to the cylinders. Applied spiral wrap to the #4 and 6 line positions. Reinstalled the intake tubes and secured.

*Gained access to the waste gate by removal of the intake tubes. Removed the oil line to waste gate. Removed the interconnecting cable to the slave gate. Removed the leaking waste gate p/n 47842-0004. Installed an overhauled waste gate p/n 470842-0004 s/n KNA00596 with new gaskets p/n 1550148-2. Torqued bolts to specification in accordance with Turbo Alley maintenance instructions. Removed the oil line fittings from the old waste gate and installed onto the new waste gate with new seals. Reinstalled the interconnect cable with a new clevis pin. Removed the slave gate p/n 477233-003. Installed an overhauled unit p/n 477233-0003 s/n 56068 with new gaskets p/n 652457. Installed the interconnect cable to the slave waste gate with a new clevis pin. Adjusted the waste gate cable in accordance with TAT report 22-6460007. Operationally checked satisfactory.

*Repositioned the intake and exhaust push rod tube seals which were leaking oil down on the turbo.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 11/21/2018, W/O: 116918

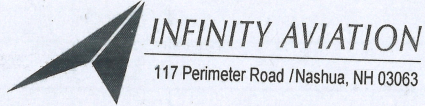
Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

Table with 6 columns and 12 rows, currently empty.

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



Date: 2/03/2021; Aircraft: N804LX; Type: SR22; S/N: 3488; Hobbs: 1490.00; Tach: 1201.20; Total Time: 1201.20
 Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the SR22 Maintenance Manual.

- *Performed a Differential Compression Check with the following results: Cylinder #1 72/80, Cylinder #2 73/80, Cylinder #3 70/80, Cylinder #4 73/80, Cylinder #5 74/80, Cylinder #6 73/80.
- *Checked the Magneto Timing.
- *Cleaned, gapped, and tested the spark plugs.
- *Lubricated the engine controls and slip joints after cleaning.
- *Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48109-1, torqued and safetied. Added 7 quarts of Phillips X/C 20W-50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
- *Complied with Tornado Alley Turbo Inc. Time Limit and Maintenance Inspection Checklist.
- *Complied with SI 20-01, Verify torque of check valve on oil supply side for turbo chargers with no discrepancies noted at this time.
- *Complied with SI08-01 crankcase breather tube inlet on tail pipe cleaning IAW with SI instructions.
- *Complied with SB09-01, inspection for cracks at the exhaust manifold and turbo mount flanges with no defects noted at this time.
- *Complied with SB10-01, alternate air door assembly inspection with no discrepancies noted at this time.
- *Complied with SB10-02Rev B, inspection of the tail pipe support brackets with no discrepancies noted at this time.
- *Complied with SI11-03, inspection of the turbo charger support rods and bolts with no discrepancies noted at this time.
- *Complied with SB11-04, cleaning and inspection of the turbo oil inlet screens with no discrepancies noted at this time.
- *Complied with SB12-02, inspection of the engine driven fuel pump for leakage with no leaks noted at this time.
- *SI17-01Rev A fluid carrying hose replacement was accomplished with oil lines being replaced 12/2019 @ 1170.2 Flt Hobbs. Next due 12/2029.

*Adjusted the right magneto to engine timing to 22 degrees IAW manufacturer's specifications.
 *Removed and replaced the #3 cylinder fuel drain seal p/n 633958-2. Operationally check for fuel leaks with none noted.
 I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Glenn Ducharme
 Date: 02/01/2021, W/O: 117576
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y







ENGINE LOG ENTRY
 N804LX - Cirrus SR22 S/N 3488
 TCM TSIO-550-N S/N 1000493
 Airframe Hobbs: 1519.2 Flight Hobbs: 1223.9

- Drained engine oil; removed and replaced oil filter with new P/N CH48109-1 & safe-tied. Inspected old filter for metal - routine, none found. Serviced engine with 7 Qts of Phillips XC 20w-50 oil. Engine run up & leak check ok. Reference Cirrus SR22 AMM Ch. 79-20 and 12-10.

All items were complied with per the manufacture's maintenance procedures. This aircraft/engine was determined to be in airworthy condition & is approved for return to service for work performed.

Date: 06/30/2021 Bryan Allard for CRS#IGXR989E WO#SH23885

10/12/2021 N804LX Tach 1264.9 Change oil and filter.
 Filter cut and clean. Fill 20/50XC. Neil Minschwaner
 A&P2257455

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
					10/29/2021 N804LX 1267.3 Install O/H'd R&L mags. See tags. Run up leak and func check OK. Neil Minschwaner A&P2257455 <i>Neil Minschwaner</i>
					  APG Aviation - Maintenance & Repair 28000 Airport Rd. A-17 Punta Gorda, FL 33982 Tel: 941-575-8605 • Fax: 941-575-8734 • ga@avionix.com
					ENGINE LOG N804LX 1-11-22 H 1610.4 FLT 1298.5 ENG 1296.5 SR22 S/N 3488 REMOVED COWLING. REPLACED COMPLETE MAGNETO IGNITION HARNESS WITH NEW KIT P/N 10-423674-33. INSTALLED NEW GASKETS P/N 10-357520 2 CT. REPLACED INTAKE GASKET #4 CYLINDER P/N 649950. RUN UP OPS CHECKED GOOD. REINSTALLED COWLING. APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. ZURIEL OLAYVAR AP 3108620 <i>Zuriel Olayvar</i>
					 Ross Rectrix MRO LLC 1234 Clyde Jones Road Sarasota, Florida 34243 (Office) 941-351-6790 (Fax) 941-351-0468
					Date: <u>9 Feb 22</u> Registration: <u>804LK</u> Model: <u>SR22</u> Serial: <u>3488</u> Tach: _____ Hobbs: <u>1300.6</u>
					<i>Oil & filter changed - Service 7 hrs</i> <i>P/N 10-423674-33 - 48109 - Eng Run</i> <i>AK & op</i>
					 Charles Moore A&P 1920074

Engine Service and Maintenance Record

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

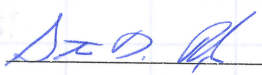
Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought

Sarasota Avionics Inc Tampa (TPA) Engine
 845 Severn Ave. Tampa, FL 33606
 Tail No.: N804LX/Cont./IO-550-N60B/Serial Number: 1000493
 Date: 3/14/2022 Work Order: M3427
 Flt Hobbs: 1315.3 Hobbs: 1629.9 Engine TTSN: 1315.3



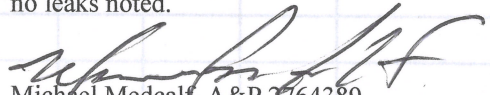
I certify that this engine has had an annual inspection IAW FAR43 Appendix D using AMM chap. 05-20 annual/100 hour inspection checklist and was determined to be in an airworthy condition and is approved for return for service. All applicable airworthiness directives through 3/14/2022 have been reviewed and/or complied with. List in logbook. Cylinder compressions 1-76, 2-77, 3-74, 4-75, 5-73, 6-77, Gage M.O. 44/80. Performed oil change, serviced engine with 7qts Phillips 20W50 X/C. Inspected old oil filter, no metal found. Bore scoped all cylinders, pictures, and report on file. Cleaned, inspected and re-oiled K&N induction filter. Cleaned, gapped and tested all spark plugs, checked mag timing, lubed and checked engine controls. Cleaned all fuel GAMI fuel injectors, reinstalled in same positions as previously installed. Noted GAMI injectors and tags do not match. C/W Tanis engine pre-heater annual ICA, no defects and ops checks good. Installed new TAT V-Band clamps. Replaced right turbo oil fitting gaskets. Adjusted MAP as required. Performed ground run up, all applicable leak and ops checks good.


 Steven D. Reifeis A&P35055351A

GAFFORD AERO, INC
 1833 AIRPORT DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667
 Phone 512 396-3323, Fax 512 396-3329. e-mail info@gaffordaero.com

ENGINE Log Date: 4/28/2022 N: 804LX Hobbs: 1357.3 TT: 1357.3

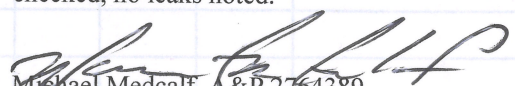
Changed the oil and filter, Phillips 20W/50. Inspected filter, no metal noted. Pressure tested induction system and repaired 2 minor leaks. Ran engine and leak checked filter, no leaks noted.



 Michael Medcalf A&P 2764389

GAFFORD AERO, INC
 1833 AIRPORT DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667
 Phone 512 396-3323, Fax 512 396-3329. e-mail info@gaffordaero.com


ENGINE Log Date: 6/6/2022 N: 804LX Hobbs: 1380.9 TT: 1380.9

Installed all new 668893 valve cover gaskets. Washed down engine, ran and leak checked, no leaks noted.


 Michael Medcalf A&P 2764389

Date	Total Time	Time Since	Engine Service and Maintenance Record			
			Hours	Min.	Hrs.	Min.
Brought Forward			GAFFORD AERO, INC 1833 AIRPORT DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667 Phone 512 396-3323, Fax 512 396-3329. e-mail info@gaffordaero.com			
			ENGINE Log Date: 9/27/2022 N: 804LX Hobbs: 1411.6 TT: 1411.6 Changed the oil and filter, Phillips 20W/50. Inspected filter, no metal noted. Took Blackstone sample. Installed a new 641250 crankshaft seal. Ran engine and leak checked filter, no leaks noted.  Michael Medcalf A&P 2764389			

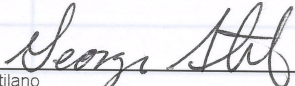
01104 (04-05-2023) Page 1 / 1

MAKE: Cirrus MODEL: SR22 S/N: 3488 REG NO.: N804LX ENGINE MAKE: CONTINENTAL ENGINE MODEL: IO-550-N		Salty Pelican Aviation 1806 Entrance Dr New Braunfels, TX 78130	W/O #: 01104 DATE: 04-05-2023 A/C TT: 1439.1 A/C Tach: 1439.1 Landings: ENG TT: 1439.1
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Engine Entry

(2) Performed an annual inspection of this engine in accordance with Cirrus Aircraft SR-22 AMM 05-20 inspection checklist. Compression check results: 1) 58/80 2) 74/80 3) 66/80 4) ##750 5) 62/80 6) 78/80. Master orifice reading: 42. Replaced induction air filter element, PN 50207-200... (3) Inspected Tornado Alley Turbo system in accordance with the Instructions for Continued Airworthiness (22-6460004) Scheduled Maintenance Checklist... (7) Performed research of the aircraft & engine records for any Tornado Alley Turbo mandatory service bulletins that are due. No MSBs are due at this time... (11) Researched and recorded any time life items due per the SR-22 AMM 05-10 and the Tornado Alley Turbo ICA... (12) Drained engine oil. Serviced engine with 7 quarts of Phillips XC 20W50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. All work performed IAW Cirrus Aircraft SR-22 AMM 12-10... (13) Performed engine run to verify that the engine parameters for manifold pressure, fuel flow and temperatures are within the specifications of the Tornado Alley Turbo ICA 22-6460004... (21) I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 04-05-2023 SIGNED:  WORK ORDER: 01104
 George Atilano Printed by EBIS (EBISCloud.com)
 A&P/ IA 3934857


01135 (04-19-2023) Page 1 / 1

MAKE: Cirrus MODEL: SR22 S/N: 3488 REG NO.: N804LX ENGINE MAKE: CONTINENTAL ENGINE MODEL: IO-550-N		Salty Pelican Aviation 1806 Entrance Dr New Braunfels, TX 78130	W/O #: 01135 DATE: 04-19-2023 A/C TT: 1439.1 A/C Tach: 1439.1 ENG TT: 1439.1
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Engine Entry

(5) Removed and replaced #2 alternator belt P/N: 657970. Removed #2 alternator P/N: 657199 H S/N: H-M012149 and installed a new #2 alternator P/N ES-7024-14 S/N: H-V040952. All work performed IAW Cirrus SR22 M.M. 24-30... (6) Removed and replaced #6 EGT probe P/N 24585-001 IAW Cirrus SR22 M.M. 77-20.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 04-19-2023 SIGNED:  WORK ORDER: 01135
 George Atilano Printed by EBIS (EBISCloud.com)
 A&P/ IA 3934857

Date

Total Time

Time Since
Last Overhaul

Engine Service

Maintenance Record

Records,

01211 (07-10-2023)

Page 1 / 1

Brought Forward

MAKE: Cirrus
MODEL: SR22
S/N: 3488
REG. NO.: N804LX
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-N



Salty Pelican Aviation
1806 Entrance Dr
New Braunfels, TX 78130

W/O #: 01211
DATE: 07-10-2023
A/C TT: 1474.4
A/C Tach: 1474.4
ENG TT: 1474.4

Engine Entry

(1) Replaced old starter ser- 4C5-491217 model- C24ST5 with new starter ser- H- W111832 model- C24ST5. Started up with no other discrepancies found... (3) Performed Engine setup IAW Cirrus SR22 73-30 MM and Continental Motors M-16 MM.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 07-10-2023

SIGNED:

George Atilano
A&P/ IA 3934857

WORK ORDER: 01211

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01288 (09-25-2023)

Page 1 / 1

MAKE: Cirrus
MODEL: SR22
S/N: 3488
REG. NO.: N804LX
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-N



Salty Pelican Aviation
1806 Entrance Dr
New Braunfels, TX 78130

W/O #: 01288
DATE: 09-25-2023
A/C TT: 1550.8
A/C Tach: 1550.8
ENG TT: 1550.8

Engine Entries

(1) Drained engine oil. Serviced engine with 7 quarts of Phillips X/C 20W-50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR-22 AMM 12-10.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 09-25-2023

SIGNED:

George Atilano
A&P/ IA 3934857

WORK ORDER: 01288

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01319 (11-27-2023)

Page 1 / 1

MAKE: Cirrus
MODEL: SR22
S/N: 3488
REG. NO.: N804LX
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-N



Salty Pelican Aviation
1806 Entrance Dr
New Braunfels, TX 78130

W/O #: 01319
DATE: 11-27-2023
A/C TT: 1573.8
A/C Tach: 1573.8
ENG TT: 1573.8

Engine Entries

(2) Removed, cleaned, regapped, and reinstalled spark plugs. Performed operational check. All work performed IAW Cirrus SR22 74-20 MM.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 11-27-2023

SIGNED:

George Atilano
A&P/ IA 3934875

WORK ORDER: 01319

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01436 (02-12-2024)

Page 1 / 1

MAKE: Cirrus
MODEL: SR22
S/N: 3488
REG. NO.: N804LX
ENGINE MAKE: CONTINENTAL
ENGINE MODEL: IO-550-N



Salty Pelican Aviation
1806 Entrance Dr
New Braunfels, TX 78130

W/O #: 01436
DATE: 02-12-2024
A/C TT: 1620.1
A/C Tach: 1620.1
ENG TT: 1620.1

Engine Entries

- 5 Performed a 50 HR servicing of this engine in accordance with the Cirrus Aircraft SR22 AMM Chapter 05-20 scheduled maintenance checklist.
- 6 Drained engine oil. Serviced engine with 7 quarts of Phillips X/C 20W-50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR22 AMM 12-10.

I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.

DATE: 02-12-2024


SIGNED:

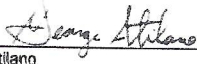
George Atilano
A&P/ IA 3934875

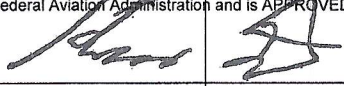
WORK ORDER: 01436

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Engine Service and Maintenance Record

Date	Total Time	Time Since	Work Order
01576 (07-25-2024)			
Brought For MAKE Cirrus MODEL SR22 S/N 3488 REG NO N804LX ENGINE MAKE CONTINENTAL ENGINE MODEL IO-550-N		 Salty Pelican Aviation 1806 Entrance Dr New Braunfels TX 78130	
		Page 1 / 2 W/O # 01576 DATE 07-25-2024 A/C TT 1833.0 A/C Tach 1633.0 ENG TT 1633.0	
Engine Entries			
2	Performed an annual inspection of this engine in accordance with Cirrus Aircraft SR22 AMM 05-20 inspection checklist. Compression check results 1) 30/80 2) 30/80 3) 75/80 4) 78/80 5) 70/80 6) 74/80 Master orifice reading 43		
3	Inspected Tornado Alley Turbo system in accordance with the instructions for Continued Airworthiness (22-6460004) Scheduled Maintenance Checklist		
7	Performed research of the aircraft & engine records for any Tornado Alley Turbo mandatory service bulletins that are due. No MSBs are due at this time		
11	Researched and recorded any time life items due per the SR22 AMM 05-10 and the Tornado Alley Turbo ICA		
12	Performed engine run to verify that the engine parameters for manifold pressure fuel flow and temperatures are within the specifications of the Tornado Alley Turbo ICA 22-6460004		
25	Removed failed Cylinder #1 installed new Cylinder PN 658815A2 SN AC24EM398 All work performed IAW Cirrus SR22 72-40 MM and Continental M-0 MM		
27	I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition		

01576 (07-25-2024)			
I certify that with respect to only the work performed on the above identified Aircraft, Engine, or Propeller was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation.			
DATE: 07-25-2024	SIGNED: 		WORK ORDER 01576 Printed by EBIS (EBISCloud.com)
	George Attilano A&P/IA 3934875		

ENGINE MODEL: IO-550-N ENGINE S/N: 1000493 REG. NO: 804LX WORK ORDER: 23210	 Kim Davidson Aviation, Inc. Repair Station No. YYKR678L 2701 Airport Avenue Santa Monica, CA 90405 Phone: (Maint 310-391-6293) (Avionics 310-391-0692)	DATE: 11/25/2024 A/C TSN: 1669.3 ENG TT: 1669.3 FLIGHTTIME: 1669.3
Engine Entries		
Removed SKyTec C24ST5 Starter s/n H-W111832. Installed New Hartzell ES646275-1 Heavy Duty Starter s/n H-Y042209 IAW Continental M-(xx) Manual. Function Test Checked Good. Aircraft Weight & Balance Has Been Revised for Heavy Duty Starter, Updated W&B Was Put In Aircraft POH.----Tightened Clamp Securing Ducting for RH Intercooler to RH Turbo.		
Maintenance Release: The aircraft, airframe, engine, propeller or appliance identified above was Repaired or Inspected in accordance with current maintenance rules of the Federal Aviation Administration and is APPROVED FOR RETURN TO SERVICE.		
DATE: 11/25/2024	SIGNED: 	Work Order: 23210 Printed by EBIS 3 (datcomedia.com)
	Kim Davidson Certified Repair Station No. YYKR678L	

Engine Log

18-May-25 Model: Cirrus SR-22 S/N: 3488 N804LX
ENGINE SN 1000493
 ACTT: 1696.4 Hobbs: 2081.3


Discrepancy:



Engine #2 Turbo Charger stopped rotating

Corrective Action:

Removed and Replaced with Overhauled #2 Turbo Charger IAW Tornado Alley Turbocharger MM CH.22-646004 Continued Airwothiness Rev D. Cleaned Induction system and checked cylinder compressions as required. Found to be within limits. Operational and leak check good.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURERS MAINTNENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND /OR ENGINE(S) AND OR PROPELLER(S) HAS BEEN FOUND AIRWORTHILY FOR RETURN TO SERVICE

Mechanic:  Cert: 30703599AP Date: 5/16/2025

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record		
	Hrs.			Sections,	
Brought Forward			ENGINE MODEL: IO-550-N ENGINE S/N: 1000493 REG. NO: 804LX WORK ORDER: 23485	 Kim Davidson Aviation, Inc. Repair Station No. YYKR678L 2701 Airport Avenue Santa Monica, CA 90405 Phone: (Maint 310-391-6293) (Avionics 310-391-0692)	DATE: 8/21/2025 A/C TSN: 1698.8 ENG TT: 1698.8 FLIGHTTIME: 1698.8
			Engine Entries <p>This Engine Has Been Inspected IAW Cirrus AMM 05-20 Annual Inspection Checklist & Continental M-(xx) Manual. Engine Has Been Determined To Be In AIRWORTHY CONDITION. Lubricated Engine IAW Cirrus AMM 12-20 Lubrication Schedule.----C/W Cylinder Compression Check 1) 73/80 2) 72/80 3) 62/80 4) 76/80 5) 42/80 6) 76/80 Master Orifice 47 psi.----Replaced Oil w/8 qts of Phillips 20W50 MINERAL Oil. Blackstone Oil Sample Taken. Removed Oil Filter, Cut Open & Inspected for Metal. No Metal Found. Replaced Oil Filter w/New. Leak Checked Good. All Work Accomplished IAW Cirrus AMM 12-10 and Continental M-(xx) Manual.----C/W Maintenance Checks IAW Tornado Alley Continued Airworthiness Doc. 22-6460004 Instructions Including TATI Service Bulletins. Replaced Wastegate Control Cable Clevis Pins w/New.----C/W Cleaning & Re-Oil of K&N Engine Air Filter IAW Tornado Alley Turbo TAT-SI08-05 Instructions.----C/W Inspection of Tanis Engine PreHeat System per Tanis Instructions for Continued Airworthiness----Adjusted Engine RPM, Manifold Pressure & Fuel Flow IAW Cirrus AMM and Tornado Alley Turbo ICA Instructions.----AD 2023-02-12 Superior Air Parts Cylinders & Intake Valves, N/A per SAP Cylinders or Intake Valves Not Installed On Engine.----AD 2023-05-16 Continental Crankshaft Counterweight Inspection, N/A per Engine Serial# Not Listed On Continental MSB 23-01A.----AD 2023-17-04 Engines with F&M Enterprises or Stratus Tool Technologies Oil Filter Adapter, N/A per Oil Filter Adapter Not Installed----C/W AD 2023-09-09 Inspection & Replacement of Spot Welded Multi-Segment Exhaust V-Band Couplings. Inspection Next Due 8/2026.----C/W 500hr Replacement of LH & RH V-Band Clamps w/New IAW Tornado Alley Turbo Instructions for Continued Airworthiness. Replacement of V-Band Clamps Next Due @ 2198.8 hrs.----Removed #1 Alternator s/n J011353. Installed New #1 Alternator s/n H-X012274. Transferred Drive Gear to New Alternator, Installed New Thrust Washer & New Cotter Pin, Torque Drive Gear IAW Continental M-(xx) Manual. Replaced Alt. Gasket w/New. Installed Alternator IAW Cirrus AMM 24-30 & Continental M-(xx) Manual. Function & Leak Checked Good.----Removed #5 Cylinder s/n AC09AB247. Installed Repaired Exchange #5 Cylinder s/n AC15EA531 from Pacific Continental Engines. See 8130 Cert. (put w/logbooks) from PCE for Details of Cylinder Repair. Reinstalled Piston & Replaced Piston Pin. Replaced Exhaust & Intake Gaskets w/New. Replaced Push Rod Tube Seals w/New & Rocker Covers Gaskets w/New. Replaced Cylinder Exhaust Nuts w/New. Installed & Torque Cylinder Nuts & Case Thru-Bolt Nuts - IAW Continental M-(xx) Manual.----Replaced One Spark Plug w/New URHB32S. ----Removed RH Wastegate. Installed In-Service Repaired RH Slave Wastegate from Approved Turbo Components. Replaced WG Gaskets w/New. Re-Installed WG Bolts, Washers & Nuts. Installed Wastegate & Torque Bolts per Tornado Alley Turbo ICA Instructions.----Installed New RH Clevis Knuckle to Wastegate Control Cable. Install New Clevis Pins Securing Control Cable to RH Wastegate Actuation Arm. Replaced WG Cable Tension Spring w/New, Spring Spacer Bracket w/New & Spring Retention Bolt w/New. Connected Wastegate Control Cable to RH Slave Wastegate & Adjusted Wastegate Control Cable per Tornado Alley Turbo Report 22-6460007 Instructions.----Installed New Bushing in RH Wastegate Support Bracket. Replaced RH Wastegate Support Bolt, Spring, Washers & Nut. Aligned & Torque WG Support per Tornado Alley Turbo TAT SI11-03 Instructions.----Installed New Teflon Sleeve to RH Turbo Support Rod. Installed New Bushing in Upper Support Bracket. Adjusted Alignment of Turbo Support Rod.----Installed Overhaul Exchange Oil Cooler s/n J08-7057-377 from Pacific Oil Cooler. See 8130 Cert. (put w/logbooks) from Pacific Oil Coolers for Details of Overhaul. Replaced Oil Cooler Gasket w/New. Replaced Gasket w/New & Reinstalled Oil Temp Sensor into Oil Cooler. Replaced Gasket w/New & Reinstalled Vernatherm Valve into Oil Cooler. All Work Accomplished IAW Continental M-(xx) Manual.----Set Belt Tension & Tighten/Torque #2 Alternator Mounting Bolts IAW Continental M-(xx) Manual.----Installed In-Service/Repaired #2 Alternator Baffle Enclosure Assy IAW Cirrus AMM 71-00.----Removed LH Intercooler. Installed In-Service LH Intercooler to Engine Air Induction per Tornado Alley Turbo ICA Instructions.----Replaced Engine LH Side Baffle Assy w/New IAW Cirrus AMM 71-00.----Replaced Wastegate Upper Support Bracket w/New. Installed New Bushing in LH Wastegate Lower Support Bracket. Replace LH Wastegate Support Bolt, Spring, Washers & Nut. Installed New Teflon Sleeve to LH Turbo Support Rod. Installed New Bushing in Upper Turbo Support Bracket. Torque WG Support Bolt & Turbo Support Rod Nut and Adjusted Alignment Wastegate Support & Turbo Support Rod per Tornado Alley Turbo TAT SI11-03 Instructions.</p>		
			Maintenance Release: The aircraft, airframe, engine, propeller or appliance identified above was Repaired or Inspected in accordance with current maintenance rules of the Federal Aviation Administration and is APPROVED FOR RETURN TO SERVICE.		
			DATE: 8/21/2025 SIGNED:  Kim Davidson Certified Repair Station No. YYKR678L	Work Order: 23485 Printed by EBIS 3 (datcomedia.com)	

