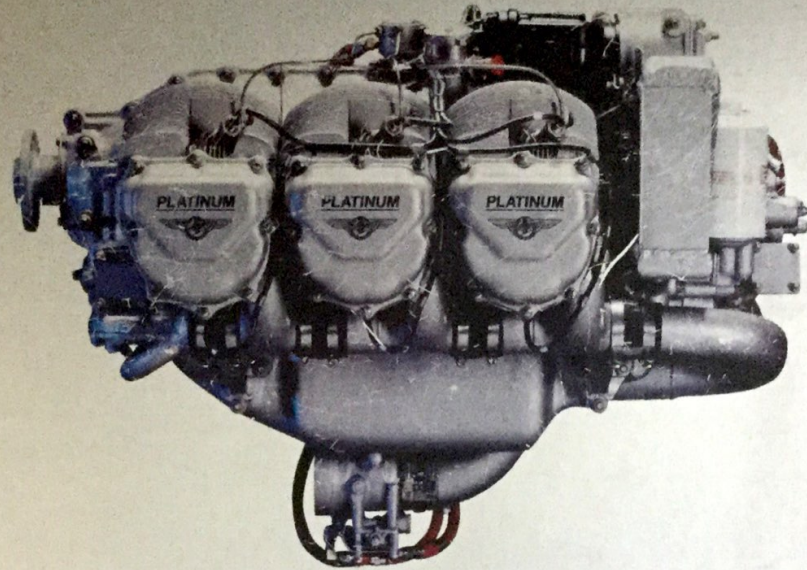


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

ENGINE MODEL:
ENGINE S/N
REG NO 8143D
WORK ORDER: 276-09-2003



Cirrus Design Factory Service Center

4515 Taylor Circle
Duluth, MN 55811

Repair Station No. YD5R855Y

DATE: 9/28/2003
TTA: 20.8
TTE:
HOBBS: 20.8

Engine Entries

(2) Changed engine oil and filter (p/n 50857-001), serviced engine with 8 quarts of 20W50 type M engine oil, cut apart old filter. Inspected filter and drain plug for abnormalities. None found. Ran engine for opps and leak checks. Opps and leak checks good (IAW Cirrus SR22 AMM Chap. 12-20)....

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/disapproved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 9/28/2003

SIGNED:

Dave Ruuskanen
Certified Repair Station No. YD5R855Y

WORK ORDER: 276-09-2003

Printed by EBis (<http://www.datcomedia.com>)



EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. • Muskegon, MI 49441

DATE: 11-18-03 WO #: 03-02631
TAIL #: N8143D TYPE: IO-550-N27 S/N#: 913907
HOBBS: 46.1 AC/TT: 46.1 TSMOH: 46.1

1. Drained engine oil and removed filter. Inspected oil filter for contamination, none found. Replaced 1 ea. oil filter P/N CH48108. Replaced 1 ea. crush gasket P/N AN900-10. Serviced engine to 8 qts. with Exxon Elite 20w/50 oil. Performed run-up and inspected for leaks.
I certify that the above listed items have been completed IAW Manufacture's Maintenance Manual.

Kim J. Corley Jr.
AP378884411



EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. • Muskegon, MI 49441

DATE: 6/10/04 WO #: 04-02901
TAIL #: N1130D TYPE: IO-550-N27 S/N#: 913907
HOBBS: 104.9 AC/TT: 104.9 TSMOH: 104.9

1. Drained engine oil. Installed new CH 48108-1 oil filter, one new crush gasket P/N AN 900-10, and 8 quarts of Exxon Elite 20W50 oil.

I certify that the above listed items have been completed IAW Manufacturer's Maintenance Manual.

Craig Hansen
AP363048734

**EXECUTIVE AIR TRANSPORT, INC.**

103 Sinclair Dr. • Muskegon, MI 49441

DATE: 8/27/04

WO #: 04-03002

TAIL #: N1130D

TYPE: IO-550-N27

S/N#: 913907

HOBBS: 127.4

AC/TT: 127.4

TSMOH: 127.4

1. C/W SB2X-71-07 by rerouting the oil breather line to significantly reduce the amount of oil blown on the bottom of the aircraft. All work done IAW SR 22 Maintenance Manual and SB2X-71-07. Final operation and security check good.

I certify that the above listed items have been completed IAW Manufacturer's Maintenance Manual.

Robert James
AP366906760**EXECUTIVE AIR TRANSPORT, INC.**

103 Sinclair Dr. • Muskegon, MI 49441

DATE: 10/04/04

WO #: 04-03059

TAIL #: N1130D

TYPE: IO-550-N

S/N#: 913907

HOBBS: 154.7

1. Performed Engine Annual Inspection. Per Cirrus Inspection Checklist.
2. Drained engine oil and removed filter. Installed a new CH48108 filter and added 8 quarts of 20W50 Exxon Elite.

I certify that this engine is been inspected IAW an annual inspection and was determined to be in an airworthy condition. This engine is approved for the return to service.

Bradley Ports
AP277448530IA**EXECUTIVE AIR TRANSPORT, INC.**

103 Sinclair Dr. • Muskegon, MI 49441

DATE: 10/04/04

WO #: 04-03058

TAIL #: N1130D

TYPE: IO-550-N

S/N#: 913907

HOBBS: 154.7

1. AD 2004-08-10 does not apply due to parts are not installed.

This engine is approved for the return to service.

Craig Hansen
AP363048734**Engine Log Book Entry**

Date: 11/10/04

Engine Time: 167.3

Installed the TAS100 preheater system, S/N 37505 in accordance with Tanis Aircraft Services instructions and drawing NO. 104

Name:

A & P#: 363048734

Brought Forward

Modifications and Service Bulletins



EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. - Muskegon, MI 49441

DATE: 3-23-05

W/O #: 05-03292

TAIL #: N1130D

TYPE: IO-550-N

S/N#: 913907

HOBBS: 186.4

AC/TT: 186.4

TSMOH: 186.4

1. Drained engine oil and took oil sample. Removed and inspected oil filter for contamination, none found. Installed 1ea. oil filter P/N CH48108-1 and 1ea. oil drain plug gasket P/N AN900-10. Serviced engine with 8 qts. Exxon Elite 20/w50 oil. Performed engine run-up and inspected for leaks. I certify that the above listed items have been completed IAW Manufacture's Maintenance Manuals.

Kim J. Corley Jr.

AP378884411



EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. - Muskegon, MI 49441

DATE: 11-04-05

W/O #: 05-03652/03662

TAIL #: N8143D

TYPE: IO-550-N

S/N#: 913907

TSMOH: 242.9

HOBBS: 242.9

1. Performed engine annual inspection per Cirrus Design Scheduled Inspection Report. Performed compression test with following results: #1-70, #2-74, #3-72, #4-74, #5-72, #6-70/80 psi.
2. Drained engine oil, removed oil filter and inspected for contamination. Installed 1 each oil filter P/N CH48108-1. Installed drain plug with 1each. AN900-10 crush gasket. Serviced engine with 8 quarts Exxon Elite 20w/50 oil.
3. Replaced 1 each induction air filter P/N BA-24 due each 200 hours or 12 months, due again at 442.9 or by 11-2006.
4. Performed high tension lead test on magneto harness.
5. Cleaned, inspected and tested engine spark plugs.
6. Cleaned, inspected and reinstalled fuel injector nozzles with new crush gaskets P/N X1473 and washers P/N640612.
7. Replaced 1ea. injector line clamp P/N 654639 on #3 cylinder injector line.
8. Installed 1ea. #1 cylinder injector line P/N 646421.
9. Investigated possible oil cooler leak. Cleaned oil cooler and surrounding area free of oil. Performed engine run-ups with no noted indication of oil leakage at oil cooler.

Pg. 1 of 2

11/2/2006 N8143D - DOIC change

HH24

2) Battery level OK - SN 913907

3) Break Fluid OK IO550-N

HOBBS 279.6

7 Quarts 15W50 Aeroshell

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	→				

Pg. 2 of 2

10. C/W SID 97-3B Fuel Flow Settings with following results: Idle 600 RPM, Unmetered Pump Pressure 8.8 psi. Metered Pump Pressure 21.2 psi. Full Throttle 2700 RPM with 26.5 GPH Fuel Flow.

11. Performed post inspection engine run-up and inspected for leaks.

I certify that the above listed items have been completed in accordance Manufacturer's Maintenance Manuals.

Kim J. Corley Jr.
AP378884411

I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. This engine is approved for return to service.

Victor Grahn
AP3015259IA

03-09-06

Changed oil & Filter. Installed Bgts 15W-50 & CH48108-1 Filter, & Saf-Air 56250 oil drain. Engine Run Up & checked OK
Hobbs 304.5. Alan C. Kettner A+P2057321

3/15/06

3065

Replaced the #1 Alternator with a new alternator P/N 646843 A1 S/n 006 AACC22. Replaced the broken TKS line clamp at the #5 cylinder. C/w Continental SB 65-7 positioned Tuned Nozzles by installing Nozzle Kit P/N EG74T8 as instructed. Run the engine and tested operation. Checked OK.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. 119796 & 119797 Date 3/15/06

Signed Michael B. [Signature] for
G-Force Aviation, Inc.
Akron/Canton Regional Airport
Building #17
North Canton, Ohio 44720
FAA Repair Sta. G25R235Y

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

4/27/06 Hobbs 338.0 N8143D ENGINE

Changed the oil and filter. 8 qt. 15W-50 Aeroshell was added. Tightened the TKS nut. The engine was washed down and checked for leaks.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. 06-9706 Date 4/27/06

Signed Harold B. McQuinn for

C-Force Aviation, Inc.

Akron/Canton Regional Airport

Building #17

North Canton, Ohio 44720

FAA Repair Sta. G25R235Y

5/24/06 Hobbs 342.0

Removed the #2 alternator P/N BC410-1
S/N 0631983 and installed S/N 0832056
Ran and tested operation. - checked OK

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. M06-998 Date 5/24/06

Signed Harold B. McQuinn for

C-Force Aviation, Inc.

Akron/Canton Regional Airport

Building #17

North Canton, Ohio 44720

FAA Repair Sta. G25R235Y

5/28/2006 HOBBS 403.3

changed oil - sent sample for analysis - 8qt 100W Aeroshell
1 CAN AuBlend.

7/7/06 Hobbs 371.0 N8143D ENGINE

Changed the oil and filter. 8 qt. 15W-50 Aeroshell was added. The engine was washed down ran and checked for leaks.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. M06-10148 Date 7/7/06

Signed Harold B. [Signature] for

G-Force Aviation, Inc.
Akron/Canton Regional Airport
Building #17
North Canton, Ohio 44720
FAA Repair Sta. G25R235Y

9/20/06 Hobbs 407.7 TT 407.7 N8143D ENGINE

Performed an Annual Inspection. Compression Check #1 68/80 #2 72/80 #3 74/80 #4 66/80 #5 75/80 #6 65/80. The compression check was performed I/A/W Continental SB 03-3. The oil and filter was changed 4 hrs previously. The plugs were cleaned, gapped and rotated. Replaced the air filter. Replaced the alternate air pickup. Installed fuel test gauges and reset the engine fuel pressures I/A/W Continental SB 97-3C. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2006-19.

TACHOMETER 407.7 TOTAL TIME 407.7 I CERTIFY THAT THIS (Engine) HAS BEEN INSPECTED IN ACCORDANCE WITH AN (annual) INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER:
NO. M06-10465 + 10466
DATE 9/20/06 SIGNED Harold B. [Signature]
G-FORCE AVIATION, INC.
AKRON/CANTON AIRPORT
NORTH CANTON, OHIO 44720
FAA REPAIR STA. G25R235Y

12-21-06 Changed oil & Filter. Installed 8qt 15W-50 Aeroshell & 403RS CH48108-1 Filter & 20ans AVBLENO. Engine washed down & Ran up, OK. Checked For leaks all OK.
450.1
Alan C. Kothmann ATP 2057321

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 →

03-11-07 480.2

Changed Oil & Filter. Installed 7qt 15W-50
Aeroshell, CH 48108-1 filter and 2 cans AVBLEND.
Engine Washed down & Run Up, OK Leak checked
OK, Oil sample taken.
Habbs & TT 480.2 Alan C. Kithman ATP 2057321

5/24/07 502.0

Clw Continental SB 05-12-06 Continental
impulse coupling inspection. Both impulse
couplings checked OK. Impulse inspection is
due again @ 1002.0 HRS. Clw Continental 550412
magneto inspection. - Disassembled inspected
and cleaned the magnetos. Replaced the contacts
in both mags and the oil seal in the right
mag. Reinstalled the mags & timed. Ran and
tested operation. - checked OK.

MAINTENANCE RELEASE
The aircraft and/or component identified
above was repaired and inspected in
accordance with current Federal Aviation
Regulations and is approved for return to
service.
Pertinent details of the repair are on file at
this agency under work order:
No. 107-11326 Date 5/24/07
Signed Michael P. Hagg for
G-Force Aviation, Inc.
Akron/Canton Regional Airport
Building #17
North Canton, Ohio 44720
FAA Repair Sta. G25R235Y

5-24-07 520.3

Oil change Installed 8qt
Aeroshell 100, CH 48108-1 Filter
Engine washed

9/7/07 551.3

Oil change Installed 8 qt
Aeroshell 100 w
CH 48108-1 Filter - 1 Can AVBLEND
cleaned mag, re. service B on 480.2
Habbs & TT

Last Overhaul	
Hrs.	Min.

Engine Service and Maintenance Record
 Installations, Inspections, Airworthiness Directives, Special Inspections,
 Modifications and Service Bulletins

Brought Forward →



AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
 Phone: 814-361-3500 Fax: 814-361-3498

Registration: N8143D	Time: 562.1	W/O: 0709-13	Date: 10-5-2007
----------------------	-------------	--------------	-----------------

Continental IO-550-N27, S/N 913907

Performed Annual Inspection IAW with MTT Form 004. AD's C/W thru this date, compliance record provided. Compression 1 76/80, 2 78/80, 3 78/80, 4 76/80, 5 78/80, 6 75/80. Cleaned, inspected, tested and rotated plugs. R&R induction air filter element w/new. Installed Airwolf oil separator IAW STC SA02268CH. Washed engine. Safety, leak, FOD and functional checks - good. Note: oil changed at 551.3 hours on 9-7-2007.

This Engine has been inspected in accordance with an Annual inspection and is approved for return to service. Further details are on file under work order referenced above.

Signature: R. Smith Certificate: CRS # N64R483Y

2007
11-21

581.90

oil Δ Aeroshell 65W
 CH 48108-1 FILTER
 Battery Fluid oil tire pressure
 done - I can't Au bleed
 11/21/2007



AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
 Phone: 814-361-3500 Fax: 814-361-3498

Registration: N8143D	Time: 605.4	W/O: 0802-7	Date: 2-25-08
----------------------	-------------	-------------	---------------

Continental IO-550-N, S/N 913907

R&R oil and filter, serviced w/8 qts. Aeroshell 15w50. Filter inspection good. Safety and leak checks - good.

I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.

Signature: R. Smith Certificate: CRS # N64R483Y

06-06-2008 642.8

Changed Oil & Filter. Installed 8qt W100 +
 aeroshell and AA48109 filter. RAN UP and checked
 OK. Chris Kettner AtP 2057321

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

Brought Forward →

08-28-08 673.6

Changed oil and filter. Installed 7qts W100
900 shell and AA 48109 filter. Ran up & checked
OK. Alan C. Ketterman AIP 2057321

10-24-2008 683.3

Compression checked 1. 80/80 2. 72/80 3. 78/80
4. 80/80 5. 80/80 6. 74/80. Spark plugs cleaned
cleaned & gapped. Magneto, starter, 2 alternator
fuel system, induction system, exhaust system
inspected and serviced as needed. Engine
tightened in general. Installed New Inductive
Air Filter PIN BA-24. Engine inspected in
accordance with FAR 43 and appendix D as
applicable. Engine washed down and Run-Up
OK, this time.

I CERTIFY THAT THIS Engine HAS BEEN
INSPECTED IN ACCORDANCE WITH an ANNUAL
INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
CONDITION TACH # TT 683.3

SIGNED Alan C. Ketterman

IA 2057321 AIP.

12-27-2008

705.7

changed oil & FILTER. Installed
7QTS Aeroshell 15W50 and
AA48109 Filter. Run up OK.
Run down. can of Autolene

3-26-09 736.2

changed oil & FILTER Installed
7QTS Aeroshell 15W50 and
AA48109 Filter run up OK
MWD



AVIATION SERVICES, INC

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N8143D	Hobbs: 749.9	W/O: 0906-1	Date: 6/9/09
----------------------	--------------	-------------	--------------

Replaced #6 Bottom Spark Plug. RHB32S

I certify the above, described maintenance is airworthy and approved for return to service.
See Work Order referenced for additional details.

Signature: [Signature] Certificate: CRS # N64R483Y

Brought Forward →

07-22-09 775

Installed oil filter AA48109
7 qts of AeroShell 15W50 -
RUN-UP OK

11-01-2009 784.3

Compression checked 1. ^{80%} 2. ^{78%} 3. ^{80%}
4. ^{66%} 5. ^{74%} 6. ^{74%}. Spark plugs cleaned &
Gapped. Magnets, starter, alternator, Fuel
system, induction system, exhaust system
inspected & serviced as needed. Engine
tightened in general. Installed New Induction
air filter P/N BA-24. Engine inspected in
accordance with FAR 43 and appendix K as
applicable. Engine washed down and Run Up
OK this time.

I CERTIFY THAT THIS Engine HAS BEEN
INSPECTED IN ACCORDANCE WITH an ANNUAL
INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
CONDITION TACH Hobbs + TT 784.3
SIGNED Alan C. Kettner A+P 2057321

03-06-2010 792.5

Changed Oil and Filter. Installed 8qt 15W-50
AeroShell, CH48108-1 filter and 2 cans AVBLEND.
Engine Run Up & Leak checked OK
Alan C. Kettner A+P 2057321



YOUNGSTOWN-WARREN REGIONAL AIRPORT • VIENNA, OH 44473
PHONE: (330) 856-5000 • FAX: (330) 856-4582 • CRSW6NR985J

ENGINE
N 8143D ↔ Cirrus SR22 ↔ S/N: 0678

- 1. Removed All Spark Plugs, Cleaned, Gapped, Tested, Rotated and Reinstalled.

All work performed has been operational checked per Cirrus SR 22 M.M.

Date: 6-10-10 AFTT: 814.3 Hobbs: 814.3 W/O No: 40-06481

The maintenance operations described above were inspected I.A.W. current Federal Aviation Regulations, and with respect to the work performed the aircraft and or component is approved for return to service for discrepant items above. Details are on file at this agency under the above work order.

Signed: Tom Hudak Tom Hudak A+P 170464185 for,

WINNER AVIATION CORPORATION

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 →

08-11-2010	824.5				<p>Changed oil & F. ltr. Installed 8 qts 15W-50, CH48108-1 filter and 2 cans Avblend. Replaced with New All12 spark plugs, Installed Plugs P/N RHB 325. Engine Run-up, Ops & Leak checked OK this time.</p> <p>Hobbs & TT 824.5 Alan C. Ketham ATP 2057321</p>
------------	-------	--	--	--	--

12-09-2010	839.5				<p>Compression checked 1. ^{80%}/₁₈₀ 2. ^{80%}/₁₈₀ 3. ^{76%}/₁₈₀ 4. ^{78%}/₁₈₀ 5. ^{80%}/₁₈₀ 6. ^{78%}/₁₈₀. Spark plugs cleaned & Gapped. Magnets starter, alternators, fuel system, induction system, exhaust system inspected and serviced as needed. Engine tightened in general. Installed New induction air filter P/N BA-24, new sky-tec starter Model C245T5, S/N 4 C5-410909, Engine inspected in accordance with FAR 43 and appendix D as applicable. Engine washed down and Run Up OK this time.</p>
------------	-------	--	--	--	--

I CERTIFY THAT THIS Engine HAS BEEN
 INSPECTED IN ACCORDANCE WITH an ANNUAL
 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
 CONDITION TACH Hobbs & TT 839.5
 SIGNED Alan C. Ketham
 ATP IA 2057321

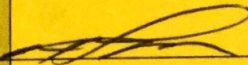
1. Approving National Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking No: AS-206658
---	--	-----------------------------------

4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE: (918) 836-6872 2860 NORTH SHERIDAN ROAD FAX: (918) 836-4419 TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K	5. Work Order/ Contract/Invoice No. 206658
--	--

6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch No	12. Status/Work
1.	CONTINENTAL STA. UNIT	642083-A12 STA. UNIT	N/A	1	S206658-1	OVERHAUL

13. Remarks
REBUILT IN ACCORDANCE WITH TCM OVERHAUL MANUALS AND AIRCRAFT SPECIALTIES APPROVED DATA

14. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
---	---

15. Authorized Signature	16. Approval/ Authorization No.	20. Authorized Signature 	21. Approval/ Authorization No. DD2R764K
17. Name (Typed or Printed)	18. Date (mm/dd/yyyy)	22. Name (Typed or Printed) Harold Lehman	23. Date (mm/dd/yyyy) 5/26/2011

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Reg. #: N8143D

Date: 3/16/11

Work Order: LNN-11-0231

Make: Cirrus

Model: SR22

S/N: 0678

Total Time: 846.1

Engine: Continental

Type: IO550N27

Engine Total Time: 846.1

Engine S/N: 913907

Performed engine oil change. Oil sample taken. Installed new engine oil filter p/n CH48108-1. Inspected removed filter, no defects noted. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Ground run up and leak check completed.

Kenneth J. Kettner A&P 2837694

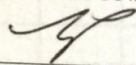
05-31-2011		Installed starter Adapter P/N 642083-A12 after overhaul by Aircraft specialties Service Inc. RS # DD2R764K WO 206658. S/N 206658-1. Unit Ops checked OK Hobbs 851.5 Alan C. Kettner A&P 2057321
09-18-2011	868.3	Changed Oil and Filter. Installed 8 qt W100 Aeroshell and CH 48108-1 Filter with 2 cans AUBLEND Engine Run Up & Checked OK. Hobbs 868.3 Alan C. Kettner A&P 2057321
01-01-2012	877.1	Compression checked, 1. ⁸⁰ / ₈₀ 2. ⁷⁸ / ₈₀ 3. ⁸⁰ / ₈₀ 4. ⁸⁰ / ₈₀ 5. ⁷⁶ / ₈₀ 6. ⁷⁸ / ₈₀ Installed All New Spark plugs P/N RHB32E. Magneto, starter, alternators, fuel system induction system, exhaust system inspected and serviced as needed. Engine inspected in accordance with FAR 43 and appendix P as applicable.

(Cont)

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	→				
01-01-2012			(cont)		Engine washed down and RUN-UP OK this time.
					I CERTIFY THAT THIS <u>Engine</u> HAS BEEN
					INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u>
					INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
					CONDITION TACH <u>+T 877.1</u>
					SIGNED <u>Alan C. Kottman</u> AYP IA 205732

N8143D 2-21-2013 TACH TIME 934.5 ENGINE TSNEW 934.5

INSPECTED AND SERVICED THIS ENGINE IN ACCORDANCE WITH FAR 43 APPENDIX D, AND APPLICABLE MAINTENANCE AND SERVICE MANUALS. COMPLIED WITH ALL AD'S PERTINENT TO THIS MODEL, SEE AD COMPLIANCE RECORD. CLEANED AND GAPPED PLUGS. COMPRESSIONS AS FOLLOWS 1) 78/80 2) 79/80 3) 78/80 4) 79/80 5) 79/80 6) 78/80. DRAINED CRANKCASE AND REMOVED FILTER, REFILLED WITH 8 QTS AEROSHELL 15W50, TORQUED AND SAFTIED NEW CH48108-1 OIL FILTER. TEST RUN LEAK CHECK OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION PROCEDURES AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.

TERRY PHILLIPS  AP1986413731A

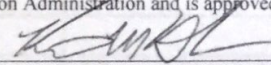
Mustang Aviation
4316 Hangar Drive Lexington, KY 40510 859-255-1902

Engine Log Book

Date: 8/29/2013 Shop Order: M-13-3161
 Reg No: N8143D Aircraft: SR22 Serial No. 0678
 Hobbs: 945.0

1. Serviced engine with 8qts Exxon Elite 20w-50 oil and new CH48108-1 filter. Cut open old filter for inspection and found no abnormal contamination or metallic particles. Ground run was normal with no leaks at filter base or quick drain.
2. Engine compressions taken hot, throttle open. 1=78/80 2=80/80 3=78/80 4=78/80 5=77/80 6=80/80.

The aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 8/29/2013 Signed 
 Kenneth M. Harker A&P 36134831A

1. Approving Civil Aviation Authority/Country:

FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

7214COM949

4. Organization Name and Address:

Corporate Flight Management, Inc.
276 Doug Warpoole Road
Smyrna, Tennessee 37167, U.S.A.
615-534-4600 CRS № FJTR920D

5. Work Order/Contract/Invoice Number:

COM949

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MAGNETO	10-500556-1	1	D03HA017	INSPECTED

12. Remarks:

DISASSEMBLED , CLEANED , INSPECTED AND REASSEMBLED MAGNETO. PERFORMED 500 HOUR INSPECTION I.A.W. TCM SERVICE SUPPORT MANUAL X42002-3

Corporate Flight Management, Inc. certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145, and in respect to that work, this aircraft component is considered ready for release to service under EASA Part 145 approval number: EASA.145.5976.

13a. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

14b. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 12, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization №:

14b. Authorized Signature:

14c. Approval/Certificate №:

FJTR920D

13d. Name (Typed or Printed):

13e. Date (dd/mm/yy):

14d. Name (Typed or Printed):

Anthony B Crandall

14e. Date (dd/mm/yy):

07 Feb 2014

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

When the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Date

Total Time

Time Since Last Overhaul

Hrs.

Min.

Hrs.

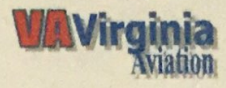
Min.

Engine Service and Maintenance Record

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

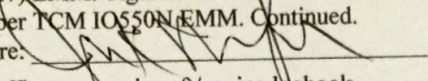
Brought Forward

N#: 8143D
WO#: V14-1034
DATE: 2/12/2014
HOBBS: 978.7



FAA REPAIR STA.
#RSUR804H
VARS-115

Complied with compression test #1 68/80, #2 70/80, #3 62/80, #4 68/80, #5 60/80, #6 64/80 with Master Orifice of 45. Changed oil and filter. Serviced to 7qts with Aeroshell 100 and installed a new filter P/N CH48108-1. Cleaned and gapped sparkplugs. The throttle linkage was lubricated as per the IO550 EMM and SR22 AMM. R&R #1, #2, and #4 intake gaskets P/N 649950 as per IO550N EMM. Removed magnetos P/N 10-500556-1 S/N D03HA011 and D03HA017 and sent out for 500hr overhaul. Received repaired magnetos back and reinstalled on aircraft i/a/w Cirrus SR22 74-00. Removed and replaced alternator gasket as per Continental IO-550N (27) EMM. Tightened fuel drain at union and cleaned excess fuel as per TCM IO550N EMM. Continued.

Signature: 

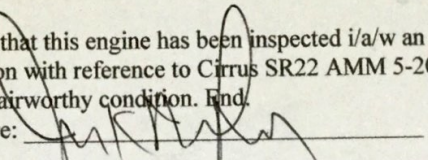
Please affix to your aircraft/engine logbook

N#: 8143D
WO#: V14-1034
DATE: 2/12/2014
HOBBS: 978.7



FAA REPAIR STA.
#RSUR804H
VARS-115

I certify that this engine has been inspected i/a/w an annual inspection with reference to Cirrus SR22 AMM 5-20 and was found to be in airworthy condition. End.

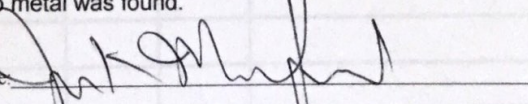
Signature: 

N#: 8143D
WO#: V14-1297
DATE: 8/1/2014
Hobbs: 1005.5



FAA REPAIR STA.
#RSUR804H
VARS-115

Changed oil with 7qts Aeroshell 100, CAMGUARD, and new oil filter CH48108-1 IAW Cirrus SR22 AMM Sect 12-10. Cut filter and no metal was found. END.

Signature: 

Date
Brought Forward

ENGINE MODEL:
IO-550-N27
ENGINE S/N: 913907
REG. NO: 8143D
WORK ORDER: 9398

 **Freedom Aviation**
Repair Station No. BGSR439C
310 Hangar Road
Lynchburg, VA 24502
Phone: 434-237-7002

DATE: 2/6/2015
A/C TSN: 1039.1
ENG TT: 1039.1
HOBS: 1039.1

Ice Record
Special Inspections,

Engine Entries

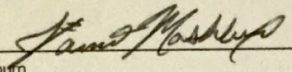
Complied with annual inspection on engine IAW Cirrus SR22 AMM 5-20 inspection report. Drained oil and removed filter. No metal found in removed filter. Installed new filter CH48108-1. Serviced with 7 qts of Aeroshell W100 oil. Owner provided. Engine compressions are #1-71, #2-66, #3-60, #4-67, #5-63, #6-64/80. Ran aircraft. No leaks noted.... AD 2014-05-29 eff. date 4-25-2014, is N/A. No cylinder changes since date of engine manufacture.... AD 2012-03-06C eff. date 2-24-2012. N/A no fuel servo work performed after May 20, 2010 per logbook research.

Maintenance Release

The aircraft and/or component(s) on 8143D as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under Work Order No. 9398, dated 2/6/2015.

DATE: 2/6/2015

SIGNED:



Work Order: 9398

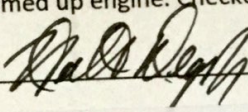
James Mashburn
Certified Repair Station No. BGSR439C


Printed by EBis 3 (datcomedia.com)

04/23/2015 N8143D s/n 0678 Hobbs 1045.6 TCM IO-550-N (27)
s/n 913907

Engine Log

Diagnosed cold #1 cylinder as both plugs were fouled and gapped too tight, with little to no spark while being tested. Removed all plugs to check condition and gap. Replaced top and bottom #1 cylinder plugs with new Champion RHB32E and gaskets. Torqued to 30 ft/lbs, per TCM SB96-7 rev C, page 8 and note 7. Started, ran and warmed up engine. Checked mags and EGT/CHT readings.

Signed  Herbert Degan, Jr A&P 1954363

 **Freedom Aviation**
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

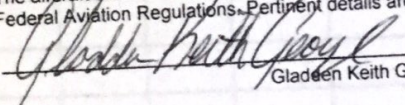
Date: 8/17/2015; Aircraft: N8143D, Type: SR22, S/N: 0678; AFTT: 1064.7; WO#: F15-1700; ENG TT: 1064.7

Engine Entry

Drained oil and changed filter P/N CH48108-1. Cut filter open. No metal found in filter. Added 7 quarts of Aeroshell W100 and 1 pint of Camguard IAW Cirrus SR22 AMM 12-10. Ran aircraft engine. No leaks noted.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.



Gladden Keith George CRS#: BGSR439C

Belle Aircraft Maintenance 20 Lindbergh Ln, Fletcher, NC 28732

6/13/2016 N8143D SR-22 H/M:1118.8

Engine Log

Removed, cleaned, and re-installed cylinder 1 spark plugs. Tested Cylinder 1 EGT probe, no defects noted. Ground run engine, ops check of ignition system satisfactory, EGT/CHT readings normal.

Patrick E. Gray 3518803 A&P
Patrick E. Gray



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

Date: 06-24-16; Aircraft: N8143D; Type: Cirrus SR22 S/N 0678 ; Hobb's 1097.5 TTAF 1097.5
WO#: F16-1744

Engine Model IO-550-N S/N 913907 Time 1097.5

Engine Entries

Drained oil and changed filter P/N CH48108-1. Cut filter open. No metal found in filter. Added 7 quarts of Aeroshell W100 IAW Cirrus SR22 AMM 12-10-00. Ran engine. No leaks noted. Performed a differential pressure check with cylinder readings noted at: #1 70, #2 69, #3 68, #4 70, #5 58, #6 72/80 and a master orifice reading noted at 45 IAW TCM IO-550 Maintenance and Overhaul Manual section 6-3.11.2.3. Performed a Boroscope Inspection of Cylinder #1 IAW TCM IO-550 Engine Maintenance and Overhaul Manual section 6-3.11.3. with normal wear characteristics and typical presence of oil noted. No discrepancies noted.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Matthew L. Meeks
Matthew L Meeks CRS# BGSR439C

Brou

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

Inspector [Signature]
Freedom Aviation,
Repair Station #BGSR439C



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

Date: 3/3/2017; Aircraft: N8143D; Type: SR22; S/N: 0678; Tach: 1151.3; AFTT: 1151.3
WO#: F17-2180
Engine Model: IO-550-N S/N: 913907; Engine TT: 1151.3

Engine Entries

Complied with Annual inspection on Teledyne Continental engine (s/n 913907) IAW chapter 05-20 of Cirrus SR22 AMM. Drained oil and removed filter. Took metal check oil analysis. Cut filter open-no metal. Serviced with new CH48108-1 filter and 7 qts of Aeroshell W100 oil. Compression test 1-70, 2-62, 3-60, 4-70, 5-60, 6-62. Low limits is 44 Lbs. IAW Continental SB84-15. Discarded all 12 RHB32E champion spark plugs and serviced with 12 new URHB32S Tempest fine wire plugs IAW chapter 74-20 of Cirrus SR22 AMM. Removed, inspected and cleaned all six fuel injector nozzles IAW chapter 16-1 of IO-550-N maintenance and overhaul manual. Due again in 300 hrs or Annual whichever first. ENGINE DRIVEN FUEL PUMP LEAKING. Removed p/n 655921-15A, s/n B03HA022 engine driven fuel pump and sent to Triad Aviation for repair. Received back same fuel pump (s/n B03HA022) overhauled by Consolidated Fuel Systems on our PO # 22366 and installed IAW chapter 17-11.4 of IO-550-N Maintenance and Overhaul Manual. Also complied with TCM CATEGORY 4, SID97-3 directive. Ground run OK. Complied with AD 2016-16-12 effective date September 15, 2016 IAW paragraph (e)(1) of AD. AD does not apply due to no record of affected cylinders installed since manufacture. No further action is required.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

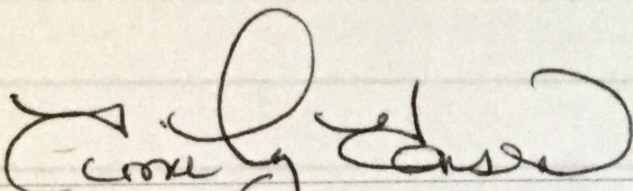
[Signature]
Joe Leonard CRS# BGSR439C

Balance Forward

This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied.

This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302.

Installed new Continental cylinder kit P/N: 658595A2BP, S/N: #1-AC17IC427, #2-AC17FB402, #3-AC17HC307, #4-AC17IC425, #5-AC17GA539, #6-AC17IB314.



Authorized Signature

Our WO#
47108-17

Dated
4/2/2018

Engine Model
IO-550-N

Serial Number
913907

**This engine has been overhauled to Zero Time Tolerances by
Penn Yan Aero**

Previous Time in Service
1178.1



Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

Description of Work Performed
Certificate Number & Signature of Technician Performing Work

Total Time In Service Total Time Since Overhaul Tach or Recording Meter Time

Balance Forward

The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:

Engine Model IO-550-N		
Serial Number 913907	Our WO# 47108-17	Invoice Date 4/2/2018

[Handwritten Signature]
Authorized Signature



Penn Yan Aero
2499 Bath Road, Penn Yan, New York 14527
Telephone: 1-315-536-2333
www.pennyanero.com
FAA Approved Repair Station: Y2GR396Y

Right Magneto - Part# BL-500556-1	Right Magneto - SN# D17KA113R
Left Magneto - Part# BL-500556-1	Left Magneto - SN# D17KA110R
Injector/Carb - Part# 653353-8A1	Injector/Carb - SN# A03HA027
Fuel Pump - Part# 649053A5-1	Fuel Pump - SN# B03HA022
Starter - Part# ES646275-1(New)	Starter - SN# H-S011959
Turbo - Part# N/A	Turbo - SN# N/A
Controller - 1 - Part# N/A	Controller - 1 - SN# N/A
Controller - 2 - Part# N/A	Controller - 2 - SN# N/A
Wastegate - Part# N/A	Wastegate - SN# N/A

Eng M/N: IO-550-N

Eng S/N: 913907

Eng. TT: 1178.1

TTSMOH: 0

Date: 10/29/2018

This engine has been disassembled, cleaned, inspected, and repaired, as required after a propeller strike. The crankshaft S/N: N03GA132 was damaged and replaced with a new crankshaft S/N: N17LA048. Magneto P/N: BL-500556-1, S/N: D17KA110R & D17KA113R were overhauled. Cylinders were inspected and reinstalled. Engine was reassembled in accordance with data approved by or acceptable to the FAA using parts as listed on the separate work order listed below. Test cell run was satisfactory for return to service.

Nothing Follows

Penn Yan Aero

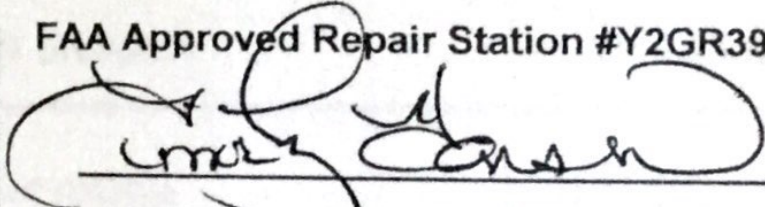
2499 Bath Road

Penn Yan, New York 14527

WO# 49110-18



FAA Approved Repair Station #Y2GR396Y


Authorized Signature

AERO INDUSTRIES , INC
5745 HUNTSMAN RD .
RICHMOND INTL AIRPORT
VA. , 23250 -2411

DATE -- 19 AUG 2019
MAKE - TCM
M/N -- IO-550N27
S/N -- 913907
REG. # N8143D
HOBBS: 1178.8 HOURS

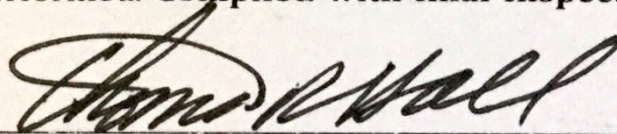
ENTER IN : ENGINE RECORD

Complied with the following in accordance with Cirrus SR22 M/M unless otherwise noted:

1. Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.
2. Removed engine Model IO-550N(27) S/N 913907 due to propeller strike and sent to Penn Yan for teardown. Re-installed overhauled engine IO-550N(27) S/N 913907 and secured in mounts per Cirrus SR22 M/M. Remaining installation details completed on Work Order # 63790.
3. Reference Work Order # 63790 for further engine related details.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed. **Complied with final Inspection for work accomplished under this work order.**
62833

Signature: _____



Chief Inspector

CRS Certificate No: BIER466C

AERO INDUSTRIES , INC
5745 HUNTSMAN RD .
RICHMOND INTL AIRPORT
VA . 23250 -2411

DATE -- 19 AUG 2019
MAKE -- TCM
M/N -- IO-550N27
S/N -- 913907
REG. # N8143D
HOBBS: 1178.8Hours

ENTER IN : ENGINE RECORD

Complied with the following in accordance with unless otherwise noted:

1. Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.
2. Complied with engine compressions: # 1 76/80, # 2 76/80, # 3 76/80, # 4 76/80 # 5 76/80 & # 6 72/80. Master Orifice was 44/80. All per CAT Manual M-0.
3. Complied with ICA on Brackett Air Filter System and installed new BA-24 filter per Cirrus SR22 M/M and Document I-194 dated 3/16/94.
4. Installed engine was a new Overhaul/Repaired under Work Order 63790 and installed at 1178.1 Hobbs hours. Engine was serviced with Aeroshell 80 Mineral Oil for break-in period per Continental Manual M-0 & IO-550N M/M.
5. Engine fuel injection nozzles were cleaned during engine overhaul/repair at 1178.1 hours and installed by Penn Yan Aero.
6. Overhauled magnetos were installed and timed by Penn Yan Aero @ Hobbs 1178.1 hours on Work Order 49110-18. New P/N BL-500556-1 S/N'S D17KA110R & D17KA113R.
7. Complied with ICA for Airwolf Air-Oil Separator per ICA AFC-360: Disassembled, cleaned and inspected in accordance with ICA Found excessive chaffing on separator can. Replaced separator can with new P/N 22W-3000. Applied chafe protection tape to bracket to prevent damage on new can. New can installed per Airwolf Installation Instruction. OK for service.
8. # 2 & # 4 inner cylinder baffle are not modified to prevent chaffing with oil filler breather tube assembly. Removed baffle and opened slot for proper relief clearance and sealed caterpillar grommet on baffle to prevent chaffing with oil filler breather tube assembly. No defects noted on dipstick tube. All in accordance with CAT Manual M-0.
9. Left rear lower cooling baffle cracked at outer flange: Fabricated and installed sheet metal flange in accordance with Cirrus SR22 M/M and AC43.13-1B Chapter 4.
10. Insulation on main feed wire for the # 1 alternator is chaffed through to conductor: Inspected wires, no conductor wires have been compromised. Installed heat shrink tubing over chaffed area in accordance with Cirrus SR22 M/M.
11. Tannis preheat system inoperative: Troubleshoot, found one wire loose on AC connector. Removed wires and clipped off and strapped. Re-installed all three AC wires per Tannis Installation Manual, operational check good.
12. Engine was cleaned after all maintenance per Standard Practices, CAT Manual M-0.
13. Complied with all leak and operational checks for this inspection and repairs, all checked satisfactory.
14. All applicable AD's are current to date and compliance records updated.
15. Complied with final Inspection for work accomplished under this work order # 62950.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Hobbs: 1178.8 Hours ACTT: 1178.8 Hours ETSN: 1178.8 Hours ETSO/R: .7 Hours PTSN: .7 Hours**

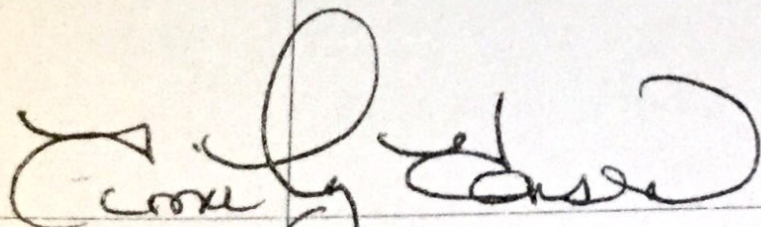
In addition to the above mentioned, I certify this aircraft has been inspected in accordance with a 100-Hour/Annual Inspection in accordance with Cirrus SR22 M/M Chapter 5-20 Inspection Checklist and was determined to be in airworthy condition.

Signature: *John R. Wall* CRS Certificate No: BIER466C
Chief Inspector

This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied.

This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302.

Installed new Continental cylinder kit P/N: 658595A2BP, S/N: #1-AC17IC427, #2-AC17FB402, #3-AC17HC307, #4-AC17IC425, #5-AC17GA539, #6-AC17IB314.



Authorized Signature

Our WO#
47108-17

Dated
4/2/2018

Engine Model
IO-550-N

Serial Number
913907

**This engine has been overhauled to Zero Time Tolerances by
Penn Yan Aero**

Previous Time in Service
1178.1

PENN YAN AERO

Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:

Engine Model IO-550-N		
Serial Number 913907	Our WO# 47108-17	Invoice Date 4/2/2018

[Handwritten Signature]
Authorized Signature



Penn Yan Aero
2499 Bath Road, Penn Yan, New York 14527
Telephone: 1-315-536-2333
www.pennyanero.com
FAA Approved Repair Station: Y2GR396Y

Right Magneto - Part# BL-500556-1	Right Magneto - SN# D17KA113R
Left Magneto - Part# BL-500556-1	Left Magneto - SN# D17KA110R
Injector/Carb - Part# 653353-8A1	Injector/Carb - SN# A03HA027
Fuel Pump - Part# 649053A5-1	Fuel Pump - SN# B03HA022
Starter - Part# ES646275-1(New)	Starter - SN# H-S011959
Turbo - Part# N/A	Turbo - SN# N/A
Controller - 1 - Part# N/A	Controller - 1 - SN# N/A
Controller - 2 - Part# N/A	Controller - 2 - SN# N/A
Wastegate - Part# N/A	Wastegate - SN# N/A

Eng M/N: IO-550-N **Eng S/N:** 913907 **Eng. TT:** 1178.1
TTSMOH: 0 **Date:** 10/29/2018

This engine has been disassembled, cleaned, inspected, and repaired, as required after a propeller strike. The crankshaft S/N: N03GA132 was damaged and replaced with a new crankshaft S/N: N17LA048. Magneto P/N: BL-500556-1, S/N: D17KA110R & D17KA113R were overhauled. Cylinders were inspected and reinstalled. Engine was reassembled in accordance with data approved by or acceptable to the FAA using parts as listed on the separate work order listed below. Test cell run was satisfactory for return to service.

Nothing Follows

Penn Yan Aero
2499 Bath Road
Penn Yan, New York 14527
WO# 49110-18



FAA Approved Repair Station #Y2GR396Y
[Handwritten Signature]
Authorized Signature

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

DATE -- 10 SEP 2019
MAKE -- CIRRUS
M/N -- SR 22
S/N -- 0678
REG. # N8143D
HOBBS: 1181.4 HOURS

ENTER IN : ~~ENGINE~~/ENGINE RECORD

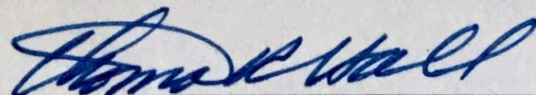
Complied with the following in accordance with Cirrus SR 22 M/M unless otherwise noted:

1. Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.
2. Test flight/engine break-in completed for 2.3 hours using Continental Motors Break-in Procedures in Manual M-0 Section 7-2.4 & 7-2.4.1 and Cirrus SR 22 POH/AFM for proper operation. Aircraft handled very well with controls and trim system. No issues with take off or landings, no shimmy or problems braking.
3. Complied with Post-Flight Checks after break-in flight by removing engine cowling and checking engine for proper security of components and leak checks, no defects noted in accordance with CAT Manual M-0 and Cirrus SR 22 M/M. Re-installed cowling on engine per SR 22 M/M.
4. Complied with compass swing and adjusted as needed. New compass correction card completed and installed in aircraft card holder. All completed per Cirrus SR 22 M/M and AC43.13-1B Chapter 12 Paragraph 12-37a thru c.
5. Engine idles above 800 RPM and on shut-down RPM rise was almost 100 RPM: Adjusted idle RPM down to 650 RPM per CAT Manual M-0 and re-adjusted mixture for a 50 RPM rise on engine shut-down per M/M M-0.
6. Completed engine fuel set-up is not required at this time. Max cruise RPM was noted at 2680 RPM and fuel flows at cruise RPMs were in accordance the performance charts listed in the SR 22 POH Section 5. Engine oil pressure and temps were within acceptable operating limits for engine specification. See # 5 above for adjustments made after flight for engine idle RPM and mixture rise.
7. Propeller Dynamic balance accomplished: Set-up engine with ACES balancing gear. Ground run engine and initial Inches Per Second (IPS) was .34 IPS. Complied with dynamic balancing per ACES 1015 Balancer Instructions, Hartzell Manual 115N Rev 23 dated Feb/2018 Page 6-29 thru 6-32. and Document The Smooth Propeller # AW-9511-2 dated 12 June 1990. Final balancing IPS is .02 IPS with 10 grams of weight secured on propeller bulkhead at 60 degrees, between # 1 & # 3 blades to the right of the hub serial numbers
8. Autopilot was intermittent when armed, would not work in NAV. Debriefed pilot, verified problem and verified good HDG, ALT & NAV on PFD. Re-racked Avidyne A/P DFC 90 controller per Avidyne Tech Support, operational check good on autopilot in all modes in accordance with DFC 90 A/P AFMS Doc # 600-00249-000 Rev 1. OK for service.
9. Navigation database has no procedures when called up: Certain parameters have to be loaded per flight plan. Only 1 allowed per plan (ie, departure). Plan was loadable and crossfilled to other GTN 650. Checked good in accordance with Garmin AFMS for GTN 650, Doc # 190-01007-A2 Rev J. OK for service.
10. Fuel boost pump will not pump fuel. It appears to lose prime and does not have enough suction: Removed P/N 5217-00-3 S/N 2121 for warranty repair. Re-installed repaired fuel boost pump P/N 5217-00-3 S/N 2121 in accordance with Cirrus SR 22 M/M, leak check and functional check good.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final inspection for work accomplished under this work order. 65176**

ACTT: 1182.4 Hours HOBBS: 1182.4 Hours ETSN: 1182.4 Hours ETSO: 4.3 Hours PTSN: 4.3 Hours

Signature: _____



Chief Inspector

CRS Certificate No: BIER466C