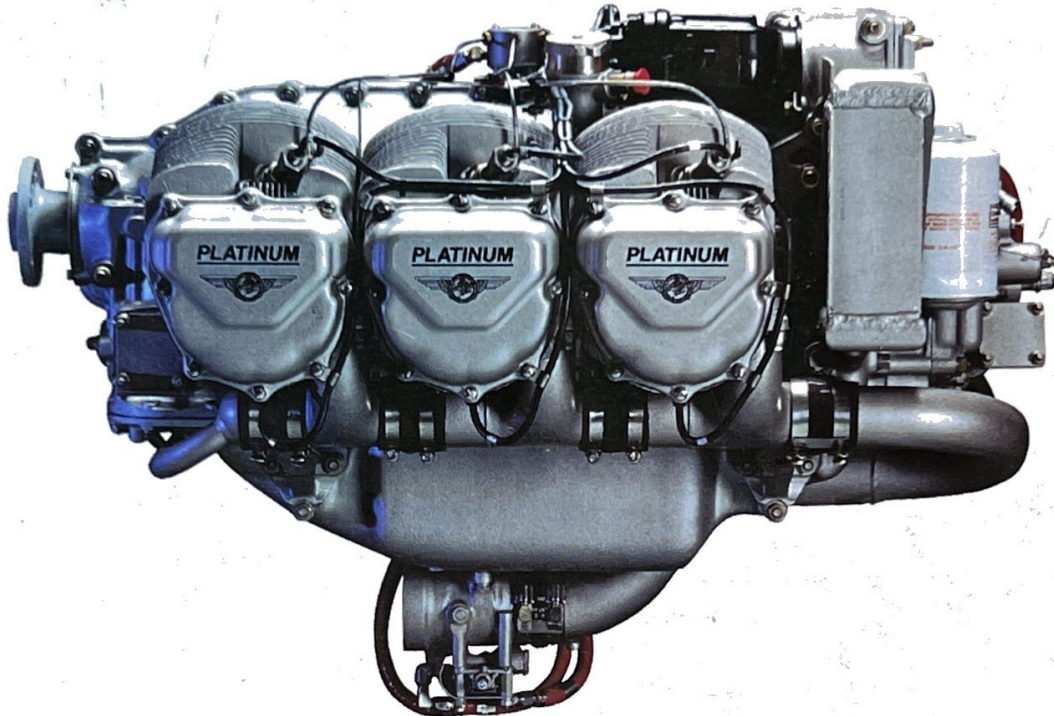


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 01/30/2007

This engine model 10550N46, Serial No. 690807 was manufactured on 01/29/2007
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date

Total Time

Time Since
Last Overhaul**Engine Service and Maintenance Record**Inspections, Airworthiness Directives, Special Inspections,
and Service Bulletins*Ralph Royal*

Saturday, 1 September, 2007

N 812DB S/N 2399

SR20 Tach 257.1 TT 272.2

50 HR INSPECTION
 1. OIL AND FILTER CHANGE
 2. AIR FILTERS
 3. FUEL FILTERS
 4. TURBOCHARGER
 5. VALVE ADJUSTMENT
 6. CYLINDER HEAD
 7. PISTON RINGS
 8. CRANKSHAFT
 9. MAIN BEARINGS
 10. SCREWDRIVER
 11. TORQUE WRENCH
 12. VIBRATION ANALYSIS
 13. THERMAL IMAGING
 14. ULTRASONIC
 15. END-

This aircraft engine was inspected in accordance with a 50HR inspection on this date and was determined to be in an airworthy condition.

SUN AVIATION, INC., Vero Beach, FL (VRB)

Date: 10/02/07

Engine Log

N 812DB

Hobbs: 313.1

Model: 10550N46

Aircraft S/N: 2399

Eng. TT: 313.1

SN: 690807

Accomplished an oil and filter change, cut opened and inspected filter removed. Serviced with 15W50 and one CH481108-1 filter. Installed new left turbo side brace. Tightened right turbo support joint nuts.



MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO # 23585

Signature

Ralph L. Royal

A&P # 13691799 Ralph Royal

Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

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					
ENGINE MODEL: IO-550-N46B		 Flightline Group, Inc. 3256 Capital Circle SW Tallahassee, Florida 32310 Phone: 850-576-3515		DATE: 11/14/2007	
ENGINE S/N: 690807				A/C TSN: 317.1	
REG. NO: 812DB				ENG TT:	
WORK ORDER: 3091-11-2007				HOBBS: 302.6	
Engine Entries Removed and replaced #6 Cylinder per TCM O/H manual. Ops check good, no leaks. Cylinder assy. P/N: 655932-A4, S/N: AC07HA373. Except as stated above, no other work, inspection, corrective action or determination of airworthiness has been made at this time.					
DATE: 11/14/2007		SIGNED: 		Work Order: 3091-11-2007	
		James Brown, A&P: 2847216		Printed by EBis 3 (datcomedia.com)	
12-5-08	312	8	INSTALLED EXCHANGE TURBO ASSEMBLY		
12-5-07			PIN 466304-0003 S/N JJJ00589 LEFT POSITION, PRE OILED AND PERFORMED LEAK CHECKS AND GROUND RUN CHECKS		
			Robert A. Wald, A171545875		
2-14-08	360	2	DRAINED & SERVICED ENGINE WITH 8 QTS 20W-50 ELITE OIL. REMOVED, INSPECTED AND REPLACED OIL FILTER (4810F). CLEANED ENGINE & COOLING, GROUND RAN LEAK CHECK GOOD.		
			Robert A. Wald, A171545875		

SERVICEABLE

Mfgr. Kelly Aero 466304-0003

Name _____ Part No. _____

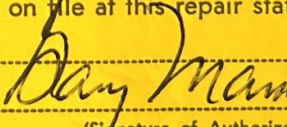
Part Turbocharger Serial JJJ00589

Name _____ repaired

The aircraft component identified above was completely ~~overhauled~~ in accordance with the manufacturer's specifications and with the 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 36510


Work Order No. 5-24-07

Date _____ Signed  (Signature of Authorized Individual)

MAIN TURBO SYSTEMS, INC.
 234 Cotta Ct. • Visalia, CA 93292
 Phone (559) 635-3322 • Repair Station #MAMR190K • FAX (559) 627-1960

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	TACAir	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		
RDU01160	4-14-08	N812DB	Cirrus	SR22	2399	391.6	391.6
<p>TCM, IO-550-N46 s/n 690807. This engine turbonormalized with Tornado Alley STC SE10589SC by Cirrus. Inspected turbo group using Tornado Alley Report 215-10, page 9&10. Complied with TCM SID97-2 Top Care Health Check as required, no defects noted. Drained oil, sample taken, removed and inspected oil filter with no defects noted. Installed new oil filter, torqued and safetied. Serviced with 8 qts of Exxon Elite 20W50 oil. Cleaned and regapped all spark plugs, checked mag timing and ignition leads. Inspected exhaust, replaced broken heat shield L/H turbo, replaced LT & Rt turbo support bracket assemblies using Report 22-6460001 to secure, replaced gasket at right wastegate and exit tube. Complied with Cirrus Owner Service Advisory SA08-03, Tornado Alley Turbo SB, TAT SB08-01, Group A, R/H Exhaust Elbow, modified per bulletin. Checked AD2007-16-10 Kelly Turbo, Left turbo replaced with repaired s/n JLL00589 on 12-5-07 at Hobbs 312.8. Right Turbo, NASN, s/n KAN00892. Checked induction systems, cleaned induction air filter IAW ICA. Performed 300hr fuel nozzle cleaning, IAW Gami ICA, flow test good. Replaced right upper deck balance line. Lubed all engine controls, replaced worn throttle/ quadrant bolts, checked all baffling, plumbing and wiring. Compression check 1)62/80 2)72/80 3)78/80 4)78/80 5)78/80 6)76/80. Cleaned engine, ground run, checked fuel system IAW Tornado Alley, Inc., Report 215-10, page 18, item E(1)(a&b) and TCM SID 97-3D as a guide, found within limits, ops and leak check OK. I certify this Engine has been inspected IAW an Annual inspection using FAR Part 43, App D, 100HR/Annual inspection checklist as revised and Cirrus SR22MM, chapter 5-20 as a guide and was determined to be in airworthy condition and approved for return to service. (Ref. WO# RDU01168 for further details) Flight Hobbs: 377.9</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: <i>Otis D. Hudson, Jr.</i>		Otis D. Hudson, Jr. A&P246826452IA					

ENGINE MODEL IO-550-N (42) ENGINE S/N 690807 REG. NO. N812DB WORK ORDER 12061-09-2008	 Cirrus Design Factory Service Center Repair Station No. YDSR855Y 4515 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438	DATE 10/10/2008 A/C TSN 499 ENG TT 499 HOBBS 499
Engine Entries (31) (FLT TIME 487.4 Hrs.) Changed engine oil and filter. Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on oil filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished IAW Cirrus SR22 A.M.M. 12-10.		
I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YDSR855Y.		
DATE: 10/10/2008	SIGNED: <i>Mitch Kinase</i> Mitch Kinase Certified Repair Station No. YDSR855Y	Work Order: 12061-09-2008 Printed by EBis 3 (datamedia.com)

American Aviation Inc.

Wilkes County Airport (UKF)

Drained And Serviced Engine With 8 Qts. Phillips 20W-50 X/C Oil. Removed, Inspected & Replaced Oil Filter (48108). Cleaned Engine & Cowling, Ground Ran Checked For leaks.

Signature: *Robert A. Wislick*

Robert A. Wislick A/P 171549879

Date:	06-03-2008	Hobbs:	447.0
Aircraft Reg.	N812DB	ACTT:	
Manufacture:	Cirrus	ACTC:	
Model No.:	SR22	TSO:	
Serial No.:	2399	CSO:	

ance Record Special Inspections,

Authorized Cirrus Service Center	
Time	Total Time
1.6	391.6

Cirrus. Inspected
Health Check as
noted. Installed
all spark plugs,
LT & Rt turbo
exit tube.
A, R/H Exhaust
JUL00589 on 12-5-
air filter IAW ICA.
e line. Lubed all
pression check
V Tornado Alley,
d leak check OK. I
ual inspection
condition and

and for the work
n file at this facility.
P246826452IA

RE: 10/10/2008
A/C TSN 499
ENG TT 499
HOBS: 499

oil 15W-50
is good. All

ce identified
Pertinent

061-09-2008
media.com)

447 0

ted

79

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

American Aviation Inc.

Wilkes County Airport (UKF)

Drained And Serviced Engine With 8 Qts. Aeroshell 15W-50 Oil. Removed, Inspected & Replaced Oil Filter (48108). Serviced All Spark Plugs, Replaced Four (4) (RHB32E).
Cleaned Engine & Cowling, Ground Ran Checked For Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

Date: 11-12-2008
Aircraft Reg: N812DB
Manufacture: Cirrus
Model No.: SR22
Serial No.: 2399
Hobbs: 547.0
ACTT:
ACTC:
TSO:
CSO:

Exec Air LLC
Hilton Head Island Airport (HXD)

71 Summit Drive
Hilton Head, SC 29926-3600
(843) 681-4705
info@ExecAirHiltonHead.com



Cirrus SR22
S/N - 2399
3/30/09 H-592.3 / F- 581.4hrs
Eng: IO550N46 S/N 690807

N812DB

1. Performed an Annual inspection IAW FAA IAW Cirrus AMM 5-20. Pg. 1
2. Performed incoming compression test and borescope inspection: MO 42 #1 66/80 #2 58/80 #3 75/80 #4 74/80 #5 70/80 #6 72/80 note #2 has slight exhaust leak. All borescope indications are normal.
3. Replaced #1 alternator overboard air seal and retainer.
4. Lubricated engine controls.
5. Replaced right exhaust manifold assembly w/ P/N 22-6180002
6. Replaced wastegate linkage assembly w/ P/N 22-5650008
7. R&R right intercooler baffle tray with new P/N M15471-003
8. Installed doubler on left intercooler baffle tray outboard aft of intercooler. P/N M15487-905
9. Replaced 3 TAT inter-cylinder baffle sections with new P/N ETI 62-801-101.

Pg. 2

10. Drained oil & serviced engine with 7Qt 15W-50 Aeroshell oil. Removed and replaced oil-filter with new P/N AA48108. Cut filter open no metal particles found. Engine test run no leak's noted. IAW AMM.
11. Serviced engine inlet air filter per TAT instructions.
12. Removed both magnetos and routed to Bolduc Aviation for 500hour inspection, received same, installed in original positions, timed each mag to 21.4 degrees BTDC.
13. R&R 8 worn spark plugs with new Champion RHB32E
14. Ground run engine, corrected #4 cylinder fuel injection installations, operational check found satisfactory, no leaks noted.

(B-Discrepancy, C/A-Corrective Action, C/W-Complied with IAW-In accordance with AMM-Aircraft Maintenance Manual, P(S)/N-Part (Serial) Number, RGR-Removed and Replaced)

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.
Jim Barker 2755069 A&P/IA *[Signature]*

1-8-10 713.5

SERVICED ALL SPARK PLOGS
Robert A. Wislick A/P 171549879

9-2-09 669.5

DRAINED & SERVICED ENGINE WITH 8 QTS 15W-50
REMOVED INSPECTION & REPLACED OIL FILTER 48108
CLEANED ENGINE & COWLING CHECKED FOR LEAKS
Robert A. Wislick A/P 171549879

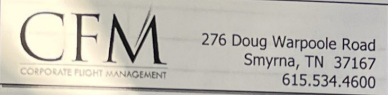
Douglas Duncan Aviation Inc.
 Wilkes County Airport (UKF)
 Date: 02/19/2010
 Aircraft Reg: N812DB
 Manufacture: Cirrus
 Model No: SR22
 Serial No: 0994
 Hobbs: 716.8
 ACTT: 716.8
 ACTC: 716.8
 TSO: 716.8
 CSO: 716.8

Drained And Serviced Engine With 8 Qts. Aeroshell 15W-50 Oil. Removed, Inspected & Replaced Oil Filter (48108). Cleaned Engine & Cowling, Ground Ran Checked For Leaks.

Brought For: _____

Signature: *Robert A. Wislick*
 Robert A. Wislick A/P 171549879

MODEL: SR22
 S/N: 2399
 REG. No: N812DB



DATE: 4-23-2010
 HOBBS: 749.8
 TACH: 641.1

Engine S/N 690807

- Inspection:**
 -Complied with Annual Inspection IAW AMM 5-20.
 -Complied with Tornado Alley ICA's per STC SE10589SC.
- AD's:**
 -AD 2009-16-03 (To Prevent the separation of the cylinder head) N/A per manufacture cylinder installed on Engine.
 -AD 2009-24-52 (Rapid wear on the face of hydraulic lifters) N/A per Engine manufacture date.
- Maintenance Accomplished:**
 -Complied with Compression Cylinder check #1) 60/80, #2) 20/80, #3) 64/80, #4) 66/80, #5) 66/80, #6) 68/80
 -Performed Oil Change IAW AMM 12-00. Drained oil and removed oil filter, cut open filter, no metal particles found. Serviced with 8 quarts of Phillips 20W50 and filter AA48108-2. Run up performed, no metal leaks noted at this time.
 -Complied with Fuel System set-up IAW TCM SID97-3E.
 -Removed cylinder #2 P/N 655932A3 S/N 92834 and was sent to Teledyne Mattituck Services Inc for Overhaul. Re-installed cylinder #2 P/N 655932A3 S/N 92834, IAW TCM OHM. Installed new gaskets and rocker arm bolt lock tabs. Performed cylinder leak check and initial break in run per TCM SB M89-7R1.

The engine identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 18696 and 18697.

Signed: *R. A. Wislick*
 For: Corporate Flight Management, Inc. Certified Repair Station FJTR920D

Form CFM 007

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR. HGR 6 GREENVILLE, SC 29607
 LOG ID# 8271 20-May-2011 WO# 5298 REF# 5298 AC TT 850.8 HOBBS 850.8
 N812DB S/N 2399 CIRRU SR22TN
 TSN 850.8 TSO 850.8

Pg 1 / 2

ENGINE
 *COMPLETED ANNUAL INSPECTION AND LUBRICATION IAW FAR 91.409, FAR 43 APPENDIX D, TORNADO ALLEY ICAW 22-6460004, PRECISE FLIGHT MANUAL 102NMAN0003, AND CIRRU SR22 MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH CURRENT ATP REVISION 5/23/11. NEXT ANNUAL INSPECTION DUE 5/31/2012.
 *COMPRESSION: #1 - 42/80; #2 - 74/80; #3 - 60/80; #4 - 61/80; #5 - 64/80; #6 - 60/80. (N/O - 43)
 *REMOVED #1 CYLINDER, P/N 655932, S/N AC06KA239, FOR REPAIR BY TRIAD AVIATION, DUE TO LOW COMPRESSION. REINSTALLED REPAIRED CYLINDER, S/N AC06KA239, WITH NEW RING AND GASKET SETS IAW TCM ICAW. OPS/LEAK CHECK: GOOD.
 *REMOVED #3 CYLINDER, P/N 655932, S/N AC06KB194, DUE TO CRACK FROM INJECTOR TO SPARK PLUG HOLE, AND INSTALLED NEW CYLINDER, S/N AC11AB204, FLOW-CODE: A, WITH NEW PISTON, P/N 654857, WT-CODE: WN, AND NEW RING AND GASKET SETS, IAW TCM ICAW. OPS/LEAK CHECK: GOOD.
 *COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER SID 97-2 AND SB03-3.
 *COMPLIED WITH FUEL SYSTEM SETUP PER SID 97-3E. OPS/LEAK CHECK: GOOD. ALL IAW TCM MM X30634A.
 *REMOVED, CLEANED, INSPECTED, TESTED, ROTATED, AND REINSTALLED ALL SPARK PLUGS.
 *TIGHTENED OIL PRESSURE SENSOR. OPS/LEAK CHECK: GOOD.
 *REMOVED AND REPLACED MIXTURE CONTROL HARDWARE IAW CIRRU SR22 MM 76-10.
 *REMOVED AND REPLACED MAGNETO REPRESSURIZATION FILTER, P/N 1396-2. NEXT CHANGE DUE 1150.8 OR 5/31/2014.

I CERTIFY THAT THIS AIRCRAFT 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
 DOUGLAS DUNCAN A&P/IA 3384163

5-20-11
 DATE

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number	116986	5. Work Order Contract Invoice Number	0000054913	12. Status/Work	New
4. Approving National Aviation Authority Country	FAA/United States	6. Item	1	7. Description	STARTER MOTOR-24V
8. Part Number	657596	9. Eligibility *	N/A	10. Quantity	1
11. Serial/Batch Number	See Block 13	13. Status/Work	New		
4. Organization Name and Address Teledyne Continental Motors, 2039 Broad Street, Mobile, Alabama 36615					

ORDER

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

American Aviation Inc.

Date: 03/24/2011 Hobbs: 844.8
 Aircraft Reg: N812DB ACTT:
 Manufacture: Continental ACTC:
 Model No.: IO-550-N TSO:
 Serial No.: 690807 CSO:

Wilkes County Airport (UKF)

Installed New Starter Part No. 657596 And Adapter Part No. 642083-1A2 In Accordance
 With Continental IO-550 Service Manual. Operational Check Good.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

American Aviation Inc.

Date: 08/17/2011 Hobbs: 876.2
 Aircraft Reg: N812DB ACTT: 750.8
 Manufacture: Continental ACTC:
 Model No.: IO-550-N TSO:
 Serial No.: 690807 CSO:

Wilkes County Airport (UKF)

Drained And Serviced Engine With 8 Qts. Exxon 20W-50 Elite Oil. Removed, Inspected
 & Replaced Oil Filter (48108). Cleaned Engine & Cowling, Ground Ran Checked For
 Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

American Aviation Inc.

Date: 10/29/2011 Hobbs: 689.0
 Aircraft Reg: N812DB ACTT: 807.0
 Manufacture: Continental ACTC:
 Model No.: IO-550-N TSO:
 Serial No.: 690807 CSO:

Wilkes County Airport (UKF)

Drained & Serviced Engine With 8 Qts. Aeroshell 15W-50 Oil. Removed, Inspected &
 Replaced Oil Filter. Replaced Gaskets On #1 & #3 Cylinder Intake Pipes. Cleaned
 Engine And Cowling, Ground Ran Checked For Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

American Aviation Inc.

Date: 03-19-2012 Hobbs: 786.5
 Aircraft Reg: N812DB ACTT: 916.8
 Manufacture: Continental ACTC:
 Model No.: IO-550-N TSN: 786.5
 Serial No.: 690807 CSO:

Wilkes County Airport (UKF)

Drained & Serviced Engine With 8 Qts. Exxon 20W-50 Elite Oil. Removed, Inspected &
 Replaced Oil Filter (48108). Cleaned Engine And Cowling, Ground Ran Checked For
 Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

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

DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
 29-May-2012 WO# 5532 REF# 5532 AC TT 932.4 HOBBS 932.4
 S/N 2399 CIRRUS SR22TN
 TSO 932.4

Pg 1/1

ANNUAL INSPECTION AND LUBRICATION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22 MM AND SB'S RESEARCHED THROUGH BI-WEEKLY 2012-11. NEXT ANNUAL INSPECTION DUE 5/31/2013.
 TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK
 PER AN-3.
 *COMPRESS. 9/80; #2 - 75/80; #3 - 74/80; #4 - 67/80; #5 - 74/80; #6 - 74/80. (M/O: 45)
 *COMP. SYSTEM SETUP PER SID 97-3E. OPS/LEAK: GOOD.
 *DRAINLED. BLACKSTONE SAMPLE; REMOVED, INSPECTED (NO SIGNIFICANT MATERIAL NOTED), AND REPLACED OIL. P/N AA48108-2; SERVICED WITH 7 QTS PHILLIPS 20W50-X/C OIL; IAW CIRRUS SR22 MM 12-10. LEAK CHECKED.
 *REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. GOOD.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN A HEALTHY 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
 DOUGLAS DUNCAN A&P/IA 3384163

5-29-12
 DATE

DATE HOBBS DISC
 N812DB
 5/27/09 624.3

CHANGED OIL & FILTER
 @ 8QTS. 15W-50 AEROSHELL
 & CHAMPION CH48108-1 -
 CUT & INSP ELEMENT.
 TOOK OIL SAMPLE. RUN
 & LEAK CHECKED GOOD.

FOR IDEAL AVIATION
 INC

AS. H2549655964
 I.A. A&P

American Aviation Inc.

Wilkes County Airport (UKF)

Date:	12-19-2012	Hobbs:	326.7
Aircraft Reg:	N812DB	ACTT:	966.7
Manufacture:	Continental	ACTC:	
Model No.:	IO-550-N	TSN:	966.7
Serial No.:	690807	CSO:	

Drained & Serviced Engine With 7 Qts. Exxon 20W-50 Elite Oil. Removed, Inspected & Replaced Oil Filter (48108). Cleaned Engine And Cowling, Ground Ran Checked For Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

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# 8624 29-May-2012 WO# 5532 REF# 5532 AC TT 932.4 HOBBS 932.4
N812DB S/N 2399 CIRRUS SR22TN
TSN 932.4 TSO 932.4

Pg 1 / 1

ENGINE
*COMPLETED ANNUAL INSPECTION AND LUBRICATION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22 MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH BI-WEEKLY 2012-11. NEXT ANNUAL INSPECTION DUE 5/31/2013.
*COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK
PER SID 97-2 AND SB03-3.
COMPRESSION: #1 - 79/80; #2 - 75/80; #3 - 74/80; #4 - 67/80; #5 - 74/80; #6 - 74/80. (M/O: 45)
*COMPLIED WITH FUEL SYSTEM SETUP PER SID 97-3E, OPS/LEAK: GOOD.
*DRAINED OIL; TOOK BLACKSTONE SAMPLE; REMOVED, INSPECTED (NO SIGNIFICANT MATERIAL NOTED), AND REPLACED OIL FILTER, P/N AA48108-2; SERVICED WITH 7 QTS PHILLIPS 20W50-X/C OIL; IAW CIRRUS SR22 MM 12-10. LEAK CHECK: GOOD.
*REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.

I CERTIFY THAT THIS ENGINE 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
DOUGLAS DUNCAN A&P/IA 3384163

5-29-12
DATE

DATE HOBBS DISC
N812DB
5/27/09 624.3
CHANGED OIL & FILTER
@ 8QTS. 15W-50 AEROSHELL
& CHAMPION CH48108-1 -
CUT & INSP ELEMENT.
TOOK OIL SAMPLE. RUN
& LEAK CHECKED GOOD.
FOR IDEAL AVIATION
INC
AS. 171549879
I.A. A&P

American Aviation Inc.

Wilkes County Airport (UKF)

Date:	12-19-2012	Hobbs:	826.7
Aircraft Reg:	N812DB	ACTT:	966.7
Manufacture:	Continental	ACTC:	
Model No.:	IO-550-N	TSN:	966.7
Serial No.:	690807	CSO:	

Drained & Serviced Engine With 7 Qts. Exxon 20W-50 Elite Oil. Removed, Inspected & Replaced Oil Filter (48108). Cleaned Engine And Cowling. Ground Ran Checked For Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

ance Record Special Inspections,

Pg 1/1

SR22 MM
31/2013.
CHECK

(45)

ND

SR22 MM

20 & MFG

S

ORDANCE

WITH

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9112 06-June-2013 WO# 6793 REF# 6793 ACTT 845.5 HOBBS 987.0
N812DB S/N 2398 CIRRUS SR22TN
FHM 845.5 TSN 845.5 TSO 845.5

Pg 1/1

cord
ections,

ENGINE
*COMPLETED ANNUAL/100 HOUR 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 6-4-13. NEXT ANNUAL INSPECTION DUE JUN
2014.
COMPRESSION: #1 -75/80; #2 -72/80; #3 -63/80; #4 -67/80; #5 -70/80; #6 -69/80. (W/O:44/80)
COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER
SID 97-2 AND SB03-3.
DRAINED OIL; TOOK BLACKSTONE SAMPLE; REMOVED, INSPECTED (NO SIGNIFICANT MATERIAL NOTED), AND
REPLACED OIL FILTER, P/N AA48108-2; SERVICED WITH 7 QTS PHILLIPS 20W50-X/C OIL; IAW CIRRUS SR22 MM
12-10. LEAK CHECK: GOOD.
REMOVED, CLEANED: GOOD.
INSTRUCTIONS, OPS CHECK: GOOD.
COMPLETED TORNADO ALLEY TURBO INSPECTION (CIRRUS 22-6460004 CONTINUED AIRWORTHINESS REV. C (22 SEP
2011)
*R&R WASTE GATE CLEVIS PINS PN:MS20392-1C13 PN:MS20392-1C25 IAW TORNADO ALLEY ICA.
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 1145.5 FHM OR JUN
2014.
*CHECKED AND RETIMED MAGS IAW TCM N-16 MANUAL
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 A&P/IA 3384163

DATE

American Aviation Inc.

Wilkes County Airport (UKF)

Drained & Serviced Engine With 8 Qts. 15W-50 Oil. Removed. Inspected & Replaced
Oil Filter (48108). Cleaned Engine And Cowling. Ground Ran Checked For Leaks.

Date:	10-18-2013	Hobbs:	884.7
Aircraft Reg:	N812DB	ACTT:	1033.7
Manufacture:	Continental	ACTC:	
Model No:	IO-550-N	TSN:	1031.7
Serial No:	690807	CSO:	

Signature,

Robert A. Wislick

Robert A. Wislick A/P 171549879

Engine Service and Maintenance Record

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

Date: 05-27-2014 Hobbs: 917.5
 Aircraft Reg: N812DB ACTT: 1069.0
 Manufacture: Continental ACTC:
 Model No.: IO-550-N TSN: 1069.0
 Serial No.: 690807 CSN:

Brought For: **American Aviation Inc.**
 Wilkes County Airport (UKF)

Installed And Timed To Engine; Repaired (500 Hour Inspection) Left Magneto P/N: 10-500556-101, S/N: D07AA067 & Repaired Right Magneto P/N: 10-500556-101, S/N: D07AA066. Removed & Installed Same Inspected #5 Cylinder Assembly P/N: 655932 With New Rings And Gaskets. Installed New Left Exhaust Manifold Assembly P/N: 22-6850011 With Retro Fit Kit P/N: 22-6180001. Installed New Right Exhaust Manifold Assembly P/N: 22-6850003 With New Hardware And Gaskets. Drained & Serviced Engine With 8 Qts. 100W Mineral Oil. Removed, Inspected & Replaced Oil Filter P/N: 48108. Installed Six (6) New Spark Plugs (Lower) P/N: RHB32E. Work Performed I/A/W TCM IO-550 Overhaul Manual And Turnado Alley Turbo's I/C/A No. 22-6460004, Rev. C. Ground Ran Engine And Operational Checks And Leak Checks Good.

Signature: *Robert A. Wislick*

Robert A. Wislick A/P 171549879

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
 LOG ID# 9561 03-July-2014 WO# 6023 REF# 6023 AC TT 923.0 HOBBS 1076.6
 N812DB S/N 2399 CIRRUS SR22TN
 FHM 923.0 TSN 923.0 TSO 923.0

Pg 1/2

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 7/1/2014. NEXT ANNUAL INSPECTION DUE JUL 2015.
 COMPRESSION: #1-78/80; #2-74/80; #3-76/80; #4-68/80; #5-78/80; #6-74/80. (M/O: 42/80)
 *SID 97-2 AND SB03-3.
 COMPLIED WITH FUEL SYSTEM SETUP PER SID 97-3F. OPS/LEAK: GOOD.
 REMOVED FILTER, INSPECTED (NO SIGNIFICANT MATERIAL NOTED), AND REPLACED OIL FILTER, P/N CH48108-1;
 IAW CIRRUS SR22 MM 12-10. LEAK CHECK: GOOD.
 REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.
 COMPLETED TURNADO ALLEY TURBO INSPECTION (CIRRUS 22-6460004 CONTINUED AIRWORTHINESS REV. C (22 SEP 2011)
 CLEANED & SERVICED INDUCTION AIRFILTER AS NEEDED.
 *REPLACED MAGNETO AIR FILTER WITH NEW PN: 1396-2 NEXT DUE 07/2017
 *AD 2014-05-29 INSPECTION FOR SAP CYLINDERS C/W NO SAP CYLINDERS INSTALLED.
 REMOVED LT MAG FOR NO IMPULSE SENT TO QUALITY FOR REPAIR, INSTALLED SAME MAG TIMED AND OPS CHECKED GOOD.
 *CSB 08-38 THROTTLE AND MIXTURE CONTROL LEVERS C/W INSPECTED LEVERS FOUND TO BE STEEL TYPE INSTALLED.
 *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 1223.0 FHM OR 07/2015.

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

7-3-14

DOUGLAS DUNCAN A&P/IA 3384163

DATE

10-21-14 10999

DRAINED & SERVICED ENGINE WITH 15W-80 OIL.
 REMOVED, INSPEL & REPLACED OIL FILTER (48108). GROUND
 RAN ENGINE LEAK CHECK GOOD
Robert A. Wislick A/P 171549879

ance Record Special Inspections,

917.5
1069.0
1069.0

N: 10-
N:
5932
N: 22-
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N:

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12

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1000

Date

Brought Forw

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
LOG ID# 9949 30-July-2016 WO# 6224 REF# 6224 AC TT 970.6 HOBBS 1132.8
N812DB S/N 2399 CIRRUS SR22TN
FHM 970.6 TSN 970.6 TSO 970.6

Pg 1 / 2

ENGINE:
*COMPLETED ANNUAL-100 HOUR 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 7/21/2015. NEXT ANNUAL INSPECTION DUE 07/2016.
COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER STD 97-2 AND SB03-3.
COMPRESSIONS: M/O 44/80 PSI
#1:77/80, #2:76/80, #3:67/80, #4:69/80, #5:76/80, #6:74/80
BORESCOPE LOOKED NORMAL WEAR PATTERNS
7 QTS PHILLIPS X/C 20W50 OIL. LEAK CHECK: GOOD. ALL IAW CIRRUS SR22 MM 12-10;
DRAINED OIL: TOOK SAMPLE; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N CH48108-1; SERVICED WITH REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED 6 SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.
*C/M AD 2014-05-29 INSPECTION FOR SAP CYLINDERS NO SAP CYLINDERS INSTALLED.
WITH OVERHAULED UNIT- REMOVED PN: 646677 SN:KAN00892 AND INSTALLED UNIT PN:646677 SN: LCL00165
GROUND OPS CHECKED GOOD.
*REMOVED, CLEANED, INSPECTED, TESTED, AND REPLACED 6 EACH SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.
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

American Aviation Inc.

Wilkes County Airport (UKF)

Date: 05-11-2016 Hobbs: 1171.1
Aircraft Reg. N812DB ACTT:
Manufacture: Continental ACTC:
Model No.: IO-550-N TSN:
Serial No.: 690807 CSO:

Pg 2 / 2

Drained & Serviced Engine With 8 Qts. 20W-50 X/C Oil. Removed, Inspected & Replaced Oil Filter (48108). Cleaned Engine And Cowling, Ground Ran Checked For Leaks.

Signature, *Robert A. Wislick*

Robert A. Wislick A/P 171549879

16-03457

Propeller- PHC-J3YF-1N s/n-FP5645B TSN-1016.2

1. Complied with annual inspection using Cirrus SR22 MM Ch 5-20-00 as a guide
2. Performed compression check #1(74),#2(72),#3(66),#4(59),#5(76),#6(72) master orifice reading for the day was 42 psi TCM SB03-3
3. Removed oil filter and inspected, no metal noted, installed a new CH48108-1 filter
4. Installed 1 new spark plug (P/N RHB32E)
5. Installed two new turbo charger V-band clamps (P/N 11-1100023) ref Tornado Alley Continued Airworthiness 22-6460004

I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED

Joe E. Hunsley

Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

DOUGLAS
LOG ID#
N812D
FHM 108

ENGINE
* COMPLETE
AD'S AND
COMPLETED
SID 97-
COMPRESS
DRAINED
7 QTS P
INSPECT
CHECK:
* CLEAN
* PERF
CRANK
* PERF
* PERF
* CHECK
* CHECK
RECON
* REPI
PERFOR
* REMO
GOOD
10/20
* REMO

Date:	06-13-2017	Hobbs:	
Aircraft Reg.	N812DB	ACTT:	1047.2
Manufacture:	Continental	ACTC:	
Model No.:	IO-550-N	TSN:	
Serial No.:	690807	CSO:	

Drained & Serviced Engine With 8 Qts. 20W-50 X/C Oil. Removed, Inspected & Replaced Oil Filter (48108). Replaced Oil Hoses; (1) AE3663163B100, (1) AE3663161E0080, (2) AE3663163E0227 (1) AE3663162E0360, (1) AE6210G0200-180, (2) AE3663161H0190, (1) AE3663162H0226(1) AE3663163H0120, All Except "H" Valve Hoses. C/W'd SI15-01 I/A/W Accomplishment Instructions. Cleaned Engine And Cowling. Ground Ran Checked For Leaks.

Signature, Robert A. Wislick Robert A. Wislick A/P 171549879

ENGINE LOG
DATE 9/15/2017 N812DB Model -SR22 S/N- 2399 HM-1235.6 flight/T.T.-1057.3 WO#S19-17-04028
Engine- IO550-N s/n-690807 TT-1057.3
Propeller- PHC-J3YF-1N s/n-FP5645B TSN-1057.3

1. Complied with annual inspection using Cirrus SR22 MM Ch.5-20-00 as a guide
2. Performed compression check #1(74),#2(74),#3(70),#4(65),#5(78),#6(72) master orifice reading for the day was 40 psi TCM SB03-3
3. Removed oil filter and inspected, no metal noted, installed a new CH48108-1 filter
4. Complied with AD 2016-16-12, no ECI cylinders are installed
5. Installed new Induction "T" pipe p/n-ETI-G2-200-M2-1
6. Installed new alternator gasket p/n-653981
7. Installed new alternate air door switch p/n-ETI-G2-703-SR
8. Installed new TIT probe ETI-G2-711.
9. Complied with fuel nozzle cleaning
10. Installed new #1 EGT probe p/n-22-8350001

I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy Condition. I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED Joe E. (John)

Signature Technician Winston Salem NC FAA Repair Station PAIR208A

Date

Total Time

Time Since

Engine Service and Maintenance Record

actions,

Bro

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
 LOG ID# 10987 19-October-2018 WO# 6819 REF# 6819 AC TT 1081.5 HOBBS 1081.5
 N812DB S/N 2399 CIRRUS SR22TN
 FHM 1081.5 TSN 1081.5 TSO 1081.5

Pg 1 / 2

ENGINE

*COMPLETED ANNUAL INSPECTION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22/22T MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH CURRENT FAA BIWEEKLY 2018-21. NEXT ANNUAL INSPECTION DUE 10/2019. COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER SID 97-2 AND SB03-3.

COMPRESSION: #1 -72/80; #2 -74/80; #3 -68/80; #4 -52/80; #5 -74/80; #6 -70/80. (M/O: 44/80)
 DRAINED OIL; TOOK SAMPLE; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N CH48108-1; SERVICED WITH 7 QTS PHILLIPS X/C 20W50 OIL. LEAK CHECK: GOOD. ALL IAW CIRRUS SR22 MM 12-10. REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.

*CLEANED INDUCTION AIR FILTER IAW TAT INSTRUCTIONS

* PERFORM CIRRUS SA09-08 (TAT SI08-01 REV. A) TO REMOVE BUILD-UP OF EXHAUST DEPOSITS IN THE CRANKCASE BREATHER WHERE IT JOINS THE TAILPIPE.

* PERFORM CIRRUS SA09-07 (TAT SB09-01) TO INSPECT HALF-STAMPED EXHAUST MANIFOLD (IF APPLICABLE).

* PERFORM CIRRUS SI10-01 TO INSPECT OIL RETURN CHECK VALVE FOR CHAFING AND PROPER POSITION.

* CHECK FORWARD INDUCTION ASSEMBLY FOR PROPER CLEARANCE FROM CRANKCASE.

* CHECK SECURITY OF ALL INDUCTION CLAMPS, AND ENSURE THAT ANY REMOVED HOSES AND DUCTS HAVE BEEN RECONNECTED.

* REPLACED RH WASTE GATE PIVOT PIN DUE TO WEAR PN: MS20392-1C13

PERFORMED PRICISE FLIGHT OXYGEN SYSTEM ANNUAL CHECK SYSTM CHECKED 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 X30634A. NEXT CLEANING DUE AT 1381.5 FHM OR 10/2019.

*REMOVED AND REPLACED SLAVE WASTEGATE CLEVIS PINS WITH NEW MS20392-2C13, MS20392-1C13

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607
 LOG ID# 10987 19-October-2018 WO# 6819 REF# 6819 AC TT 1081.5 HOBBS 1081.5
 N812DB S/N 2399 CIRRUS SR22TN
 FHM 1081.5 TSN 1081.5 TSO 1081.5

Pg 2 / 2

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 Delano Duncan
 DOUGLAS DELANO DUNCAN

A&P/IA 3384163

19-Oct-2018
 DATE

ENGINE ENTRY

"N" #: N812DB Make: CIRRUS Model: SR22 Serial #: 2399 Total Time: 1112.1 Date: 12/04/2019

Date

Description

Brought For

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8 QTS OF AEROSHELL 100 MINERAL OIL DUE TO CYLINDER REPLACEMENT. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. COMPRESSION FIGURES: #1-72/80, #2-72/80, #3-70/80, #4-64/80, #5-73/80, #6-74/80. GROUND RUN. OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10. PERFORMED ENGINE FUEL SYSTEM INSPECTION IAW STANDARD PRACTICES MM M-0, APPLICABLE SECTION OF CH 6. ALL PARAMETERS SET WITHIN OPERATIONAL LIMITS.
3. #5 CYLINDER CRACKED BETWEEN SPARK PLUG AND FUEL INJECTOR - REMOVED #5 CYLINDER P/N 655932 S/N AC06KB195 AND INSTALLED REPAIRED CYLINDER P/N 655932 S/N AC07HA857. ENGINE SERVICED WITH 8 QTS OF AEROSHELL 100 MINERAL OIL. GROUND RAN. OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW CMI STANDARD PRACTICE MM M-0 CH 10-6 AND APPLICABLE SECTIONS OF APPENDIX B. ENGINE OIL TO BE REPLACED AT 1137.1 HRS FLIGHT TIME.
4. COMPLIED WITH 100 HOUR 1 YEAR INDUCTION AIR FILTER CLEANING IAW TORNADO ALLEY TURBO INDUCTION AIR FILTER CLEANING INSTRUCTIONS TAT-SI08-05.
5. COMPLIED WITH 1 YEAR TORNADO ALLEY TURBO ICA IAW DOC #22-6460004 REV C. NO DEFECTS NOTED. AT THIS TIME, OPERATIONAL CHECKS GOOD.
6. COMPLY WITH SB2X-71-33 CONTINENTAL MOTORS SERVICE DOCUMENT SB18-08A - RESEARCHED AND INSPECTED CYLINDERS. FOND EFFECTED CYLINDERS NOT INSTALLED. NO FURTHER ACTION TAKEN.
7. 3 YR MAGNETO FILTER REPLACEMENT DUE - REMOVED AND REPLACED MAGNETO AIR FILTER WITH NEW P/N 04-6700015 IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 74-10.
8. OIL PRESSURE SENSOR LEAKING - INSPECTED AND RESEATED B-NUT TO FITTING. GROUND RAN WITH NO FURTHER LEAKS NOTED. WORK PERFORMED IAW CMI STANDARD PRACTICE MM M-0 APPLICABLE SECTION OF APPENDIX B.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE 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. 96244.



SIGNED BY: *[Signature]* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

ENGINE ENTRY

"N" #: N812DB Make: CIRRUS Model: SR22 Serial #: 2399 Total Time: 1137.7 Date: 01/07/2021

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. OIL AND FILTER CHANGE NOT DUE AT THIS TIME. COMPRESSION FIGURES: #1 75/80, #2 66/80, #3 65/80, #4 62/80, #5 78/80, #6 71/80. GROUND RAN. OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW AC43.13-1B APPLICABLE SECTION OF CH 8 SECTION 1 AND CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-20.
3. COMPLIED WITH TORNADO ALLEY TURBO SYSTEMS ICA IAW TORNADO ALLEY DOCUMENT #22-6460004 REV C. OPERATIONAL AND LEAK CHECKS GOOD. COMPLIED WITH SB10-01 AND SB11-03.
4. COMPLY WITH 1YR INDUCTION AIR FILTER CLEANING - PERFORMED INDUCTION AIR FILTER CLEANING IAW TORNADO ALLEY TURBO SYSTEMS ICA.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE 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. 96909.



SIGNED BY: *[Signature]* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

ENGINE ENTRY

"N" #:
N812DBMake:
CIRRUSModel:
SR22Serial #:
2399Total Time:
1165.3Date:
05/19/2022

D.

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. COMPRESSION FIGURES: #1-73/80, #2-68/80, #3-68/80, #4-58/80, #5-74/80, #6-70/80. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10. PERFORMED ENGINE INSPECTION IAW STANDARD PRACTICES MM M-0, APPLICABLE SECTION OF CH 6, AND TORNADO ALLEY TURBO ICA DOCUMENT 22-6460004 REV C. ALL PARAMETERS SET WITHIN OPERATIONAL LIMITS.
3. COMPLY WITH 4YR LH MAGNETO OVERHAUL / REPLACEMENT - REMOVED LH MAGNETO P/N 10-500556-101, S/N D07AA067 AND INSTALLED OVERHAULED MAGNETO P/N 10-500556-101, S/N D08JA10. TIME TO ENGINE. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CAT STANDARD PRACTICES MM M-0, APPLICABLE SECTION OF CH 10-5.
4. COMPLY WITH TORNADO ALLEY TURBO ICA - COMPLIED WITH TORNADO ALLEY TURBO SYSTEMS ICA IAW TORNADO ALLEY DOCUMENT #22-6460004 REV C. OPERATIONAL AND LEAK CHECKS GOOD. COMPLIED WITH SB10-01 AND SB11-03.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE 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. 97833.



SIGNED BY: *[Signature]* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

Page 1 / 5

2827 (09-19-2023)

MAKE Cirrus
MODEL: SR22-TN
S/N: 2399
REG. NO.: 812DB
ENGINE MAKE: CMI
ENGINE MODEL:
IO550-N46
ENGINE SN: 690807

AEROWOOD

Aerowood Service Center
1816 Aviation Dr.
Monroe, NC 28110

W/O #: 2827
DATE: 09-19-2023
A/C Tach: 1178.3

Engine Entries

(5) Engine Cylinder Compression Test.... Compression #1= 70/80 #2= 65/80 #3= 65/80 #4= 60/80 #5= 78/80 #6= 72/80 MO= 42/80.... (6) Oil and Filter Change.... Drained oil and removed oil filter and inspected, no metal found. Installed new oil filter p/n AA48108-2 and added 7 quarts of Phillips XC SAE 20W-50. Torqued, secured and safetied all attaching hardware. Operational and leak checked normal.... (9) ICA for Tanis Engine pre heater system ... Tanis Engine pre heater system not installed on aircraft. No further action taken at this time.... (10) Comply with ICA for TAT Turbo Normalized system.... Complied with ICA for TAT Turbo Normalized System.... (11) Comply with TAT SB09-01 Exhaust manifolds inspected for cracks around the turbo mount flanges.... Complied with TAT SB09-01 Exhaust manifolds inspected for cracks around the turbo mount flanges.... (12) Comply with TAT SB12-02 Inspection of engine driven fuel pump.... Complied with TAT SB12-02 Inspection of engine driven fuel pump with no discrepancies noted at this time.... (14) Comply with TAT SB10-02 Supplemental tailpipe hanger inspection and replacement.... Complied with TAT

Page 2 / 5

2827 (09-19-2023)

SB10-02 Supplemental tailpipe hanger inspection with no discrepancies noted at this time.... (15) Comply with TAT SI11-03 Turbocharger support assemblies inspect on a regular basis to ensure that the turbo system support rods and bolts do not wear to a point of failure.... Complied with TAT SI11-03 Turbocharger support assemblies inspect on a regular basis to ensure that the turbo system support rods and bolts do not wear to a point of failure ... (16) Comply with TAT SB11-04 Turbocharger oil supply inlet screens inspected and cleaned.... Complied with TAT SB11-04 Turbocharger oil supply inlet screens inspection and cleaning. Torqued, secured and safetied all attaching hardware per Manufacturers Specifications. Operational, clearance and leak checked normal. No further discrepancies noted at this time.... (17) Comply with TAT SI11-01 Exhaust slip joints inspected, cleaned and lubricated on a regular basis to prevent damage to the exhaust.... Complied with TAT SI11-01 Exhaust slip joints inspected, cleaned and lubricated on a regular basis to prevent damage to the exhaust.... (18) Comply with TAT SB10-01 Hinge pin ends on the alternate air door inspected for cracks, loose rivets, and/or missing retention methods that may damage the turbocharger due to release of the hinge pin. ... Complied with TAT SB10-01 Hinge pin ends on the alternate air door inspected for cracks, loose rivets, and/or missing retention methods that may damage the turbocharger due to release of the hinge pin with no discrepancies noted at this time.... (19) Comply with TAT SI08-04 Inspecting and testing the Cirrus SR22 Cabin Heat Augmenter/Tailpipe assembly for signs of cracking.... Complied with TAT SI08-04 Inspecting and testing the Cirrus SR22 Cabin Heat Augmenter/Tailpipe assembly for signs of cracking with no discrepancies noted at this time.... (20) CONTINENTAL MOTORS SB18-03A Inspection and Maintenance Modification of Cylinder Assemblies... Not Applicable with Parts installed on Aircraft. ... (24) #2 inner cylinder baffling chaffing on oil filler neck.... Adjusted #2 inner cylinder baffling away from oil filler tube to prevent further chaffing. No further issues

Record
pections,

2827 (09-19-2023)

noted at this time.... (25) Left and right cylinder gang drain assembly chaffed.... Removed and replaced left side cylinder drain tube assembly p/n: 658752. Removed right side cylinder drain tube assembly, inspected and found wear to be within allowable tolerances, reinstalled tube assembly using new seals p/n. 633958-2. Torqued, secured and safetied all attaching hardware. Clearance checked good. No further issues noted at this time.... (26) #4 exhaust transition chaffed.... Removed left exhaust system and sent out exhaust manifold for Inspection and Repair. Installed left exhaust system after inspection and repair was performed by Tornado Alley Turbo, Inc. Hangar B Ada, OK 74820. Torqued, secured and safetied all attaching hardware IAW TAT. Performed engine Ground Run-ups with operational, clearance and leak checked normal. No further discrepancies noted at this time.... (27) Left turbo seized.... Removed old Left Turbo assembly P/N 466304-0003 S/N JLL00589. Installed OVERHAULED Left Turbo Assembly P/N 466304-9003 S/N KHL00366 provided by Main Turbo Systems, Inc. under W/O 65269 Form Tracking No. 49816 Cert. No. MAMR190K. Torqued, secured and safetied all attaching hardware IAW TAT Maintenance Manuals. Pressure lubed turbos prior to engine run-ups. Operational and leak checked normal. No further discrepancies noted at this time.... (30) Left and right wastegate support bracket and bushing with attaching hardware chaffed past allowable limits.... Installed new left and right upper wastegate support bracket assembly P/N 22-6250006 with new attaching hardware P/N MS21250-05020 & MS21046C5. Torqued, secured and safetied all attaching hardware per Manufacturers Specifications. Clearance checked normal. No further discrepancies noted at this time.... (31) Left and right turbo support attaching hardware teflon sleeves worn thru.... Installed new left and right turbo support attaching bolt support teflon seal P/N 22-6200048. Torqued, secured and safetied all attaching hardware. Clearance checked normal. No further discrepancies noted at this time .. (33) Left and right exhaust

Page 4 / 5

2827 (09-19-2023)

elbows seized.... Adjusted left and right exhaust elbows for clearance. Torqued, secured and safetied all attaching hardware. Clearance checked normal. No further discrepancies noted at this time.... (34) Exhaust breather tube has carbon build up.... Complied with TAT SB08-01 and cleaned off exhaust breather tube carbon build up. Secured all attaching hardware. No further discrepancies noted at this time.... (36) Right aft exhaust manifold chaffed.... Removed right exhaust system and sent out exhaust manifold for Inspection and Repair. Installed right exhaust system after inspection and repair was performed by Tornado Alley Turbo, Inc. Hangar B Ada, OK 74820. Torqued, secured and safetied all attaching hardware IAW TAT. Performed engine Ground Run-ups with operational, clearance and leak checked normal. No further discrepancies noted at this time.... (38) Right intercooler inboard mounting flange is buckled and cracked.... Removed right intercooler and sent out for Inspection and Repair. Installed right intercooler after inspection and repair was performed by Pacific Oil Cooler Service, Inc. under W/O 157650 Form Tracking No. 157650 Cert. No. RF3R813L. Torqued, secured and safetied all attaching hardware per Manufacturers Specifications. Operational and leak checked normal. No further discrepancies noted at this time.... (40) Right wastegate assembly shaft and bearings worn.... Installed new right wastegate assembly P/N 22-6150026 IAW TAT. Torqued, secured and safetied all attaching hardware. Operational, clearance and leak checked normal. No further discrepancies noted at this time.... (42) Left and right magnetos at 19.0°... Timed left and right magnetos to engine per TAT ICA. Torqued, secured and safetied all attaching hardware. Operational, clearance and leak checked normal.... (73) Injector cleaning is due... Cleaned injectors, reinstalled using o-ring kit p/n: ORW-6TIGT. Leak check and ops check good.... (74) During post annual engine run-ups found RPM at 2720 and MAP red lining.... Performed engine adjustments IAW TAT 22-6460004 Continued Airworthiness Manual. Torqued, secured and safetied all attaching

Page 5 / 5

2827 (09-19-2023)

hardware. Operational and leak checked normal. Engine at 2690 RPM, MAP at 30.2, F.F at 34.0, Oil temp at 171°F, Oil PSI at 60, Idle at 730, Mixture Rise at 40 at Engine Full Power Ground Run-ups. Cirrus Authorized Pilot to perform Maintenance Release Flight.

I Certify that this aircraft has been inspected in accordance with an Aircraft 100hr Inspection using a CHECKLIST in accordance with FAR 43 Appendix D. and Manufacturer's Maintenance Manual and was determined to be in airworthy condition. All work was accomplished in accordance with Manufacturer's Maintenance Manual and/or AC43.13-1B; AD's verified thru current biweekly; Performed Run up for operation and leak check. All items mentioned have Safeties and are functioning properly at this time.

DATE: 09-19-2023

SIGNED:

Roman Myachin
A&P or IA Number: 3737723

WORK ORDER: 2827

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Date

Brought Forward

2827 (09-19-2023)

Page 1 / 1

MAKE: Cirrus
MODEL: SR22-TN
S/N: 2399
REG. NO.: 812DB
ENGINE MAKE: CMI
ENGINE MODEL:
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AEROWOOD

Aerowood Service Center
1816 Aviation Dr.
Monroe, NC 28110

W/O #: 2827
DATE: 09-19-2023
A/C Tach: 1178.3

Record
ctions,

Engine Entries

(2) Annual/100HR Inspection (Engine).... Annual/100HR Inspection completed this time and date in accordance with FAR 43, Appendix D and Continental Motors 100 Hr Inspection.

I Certify that this aircraft has been inspected in accordance with an Annual Inspection using a CHECKLIST in accordance with FAR 43 Appendix D, and Manufacturer's Maintenance Manual and was determined to be in airworthy condition. All work was accomplished in accordance with Manufacturer's Maintenance Manual and/or AC43.13-1B: AD's verified thru current biweekly; Performed Run up for operation and leak check. All items mentioned have Safeties and are functioning properly at this time.

DATE: 09-19-2023

SIGNED:

Kevin K Frantz
A&P or IA Number: 3312815 IA

WORK ORDER: 2827

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Elite Aircraft Maintenance · 707 Rod Sullivan Rd · Sanford, NC 27330 · 9196651233

N812DB

Continental, IO-550N, S/N: 690807

September 30, 2025

Flight: 1198.3

1. Performed 100Hr inspection per Chapters 4&5 Cirrus SR-22 AMM, Continental Manual M-0.
2. Airworthiness Directives checked thru revision 2025-19.
3. Completed AD 2023-09-09 Exhaust tailpipe V-Band Coupling Inspection.
4. Reviewed Service Bulletins through 30 Sep 2025.
5. Performed aircraft operational checks IAW Cirrus AMM 5-30.
6. Compression check: MO 43/80 1)67/80 3)58/80 5)71/80 2)68/80 4)58/80 6)71/80
7. Drained engine oil, sample submitted to Avlab for analysis. Engine serviced with (8ea) quarts of Phillips 20W-50XC. Installed/secured new oil filter AA48108-2. Performed particulate inspection on filter, no faults. Performed particulate inspection of oil sump plug, no faults. Replaced Crush washer MS35769-11 and reinstalled.
8. Removed, cleaned, gapped, inspected, tested and re-installed Sparkplugs. Replaced (12ea) crush washers 07-01798.
9. Serviced Fuel injectors nozzles IAW CMI Publication #FI-02, Sect. E and F. Replaced fuel and air seals (12ea) 06-02262, (6ea) 06-02112, (6ea) 06-02263, (2ea) 633958-5 and (6ea) P/N X1473. Replaced incorrect injector hardware with correct washers (6ea) 06-02078. Replaced cylinder #6 and #3 induction tube gaskets (2ea) 649950.
10. Replaced induction air filter BA-24.
11. Completed engine lubrications IAW Cirrus AMM 12-20.
12. Performed magneto timing IAW Tornado Alley ICA 22-6460004.

wo: 3137

Engine #1 · page 2 of 2



Elite Aircraft Maintenance · 707 Rod Sullivan Rd · Sanford, NC 27330 · 9196651233

13. Disassembled LH wastegate support brackets. Replaced worn upper support bolt AN5C6A. Straightened upper and lower bent wastegate support brackets. Re-assembled LH wastegate support assembly. Completed IAW Tornado Alley 22-6460006 Rev. G.
14. Removed leaking ALT1 ES-10024, SN:H012469 and replaced with new ES-10024, SN:H-Z042812. Replaced gasket 653981. IAW Cirrus AMM 24-30.
15. Replaced ignition harness with new 10-423674-19, SN:K23K and included accessory kit 10-400223. Replaced gaskets (2ea) 10-357520. Replaced induction tube gaskets (3ea) 649950. Applied Heat Resistant Sealant 736 RTV (09-27900) to common chafe points.
16. Replaced spark plugs URHB32E (12ea). IAW Continental Manual M-0.
17. Replaced seeping oil plug crush washer MS35769-11 at front left crankcase nose. Secured with safety cable 12-04569 and cleaned residual oil. Leak check satisfactory. IAW Continental M-0 Appendix B.
18. Replaced seeping LH turbo oil sump gasket 649960 IAW Tornado Alley ICA 22-6460004 Appendix A. Leak check satisfactory.
19. Replaced dry rotted air reference seal 633958-5 by LH intercooler.
20. Replaced torn SCAT tubing 05-29912 (1ft) running from RH turbo to air filter housing.

I certify that, at the time and date of signing this log entry, the above noted engine has been inspected in accordance with an Annual/100hr inspection as per the Cirrus AMM and Continental Manual M-0 and was determined to be in an airworthy condition. Details of work performed are on file with Elite Aircraft Maintenance under work order: 3137.

Dan Massey IA 3622771