

THE
adlogTM
AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page



N210DF – Engine Log	Aircraft Type: Fixed wing single engine	Ser # 512156
Owner: Billy Jake Jacobson Jr	Engine Type: Continental TSIO-520-R	Tach Time: 7374.6
Date: 03/28/24	Engine Total Time:	TSMOH = 1335.8

Completed 50 hour inspection on this date in accordance with FAR 43 Appendix "D" and Continental maintenance/service manual. Drained engine oil. Removed Tempest oil filter, cut open and inspected for contaminants and metal. None found. Installed new Tempest oil filter p/n AA48108-2. Added 10 qts Phillips X/C 20W-50 oil. Ran up engine and checked for leaks per CFR 43.15 (C) (2). None found.

TACH TIME IN PAST LOG BOOK ENTRIES LISTED IS FLIGHT HRS ON GARMIN GI275.

I certify that this engine has been inspected in accordance with Cessna 50 Hour inspection checklist, Continental maintenance manual, and work performed per Continental maintenance manual along with FAR 43 Appendix "D" and found to be airworthy on this date.

Brandon Paxson A&P 4692811



ARLIN'S AIRCRAFT SERVICE, INC.

200 Wings Way, Belgrade, MT 59714 (406)-898-2012
CRS QM5R150N (KBZN)

DATE	REGISTRATION	ENGINE	SERIAL #	TAC	SMOH
8 OCT 2024	N210DF	TSIO-520-R	512156	79.0	1362.3

Inspection completed this date. Checked compression. Cleaned plugs. Checked mag timing. Changed oil and filter. Checked alternator. Checked starter. Cleaned fuel screen. Pressure checked exhaust system. Complied with AD 71-09-07R1, exhaust manifold heat exchanger inspection. Complied with AD 2023-09-09, exhaust tailpipe clamp inspection, installed new clamp, P/N S1921-1. Installed oil dipstick support bracket. Replaced front exhaust crossover heat shield. Rerouted induction system overboard fuel drain line. Checked controls. Washed and ran engine. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Alan C. Wass A&P 2386273

SUB-TOTALS this page

TOTALS—Carry forward to next page

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TOTALS brought forward from previous page				

Sentinel Aviation, LLC.

KMXA

MANILA, AR

REGISTRATION: N210DF

TACH: 7299.0

DATE: 09/01/2023

MODEL: TSIO-520-R

ENGINE TSMO: 1260.2

SN: 512156

- ANNUAL INSPECTION IAW CONTINENTAL AND CESSNA M.M.
- OIL AND FILTER CHANGE NOT DUE AT THIS TIME
- CLEANED AND LUBRICATED WASTEGATE, INSPECTED EXHAUST, NO DEFECTS NOTED, INSPECTED TURBO INLET, NO DEFECTS NOTED.
- CHECKED SPARK PLUGS, CKD MAG TIMING, NO DEFECTS NOTED
- COMPRESSION CK #1 64/80, #2 64/80, #3 66/80, #4 66/80, #5 64/80, #6 64/80. MASTER ORIFICE 44 PSI
- GROUND RUN, ALL OPS NORMAL. NO LEAKS NOTED

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

KEVIN S DAVIS

AP431476148IA

K. S. Davis

TOP FLIGHT AVIATION MAINTENANCE 843-408-9555

N210DF CESSNA 210J. TACH:

12/01/2023

Ground ran engine and drained hot oil and removed oil filter and cut open and inspected. checked good. Installed new filter and serviced with Phillips 20W-50. Flew plane and found oil leak and rough running. Found flow divider diaphragm leaking from vent, replaced flow divider diaphragm and hooked up testers to engine and set up engine fuel system IAW SID



97-3G. Unmetered fuel pressure was 9.5, set to 5.5. Metered pressure was 24psi set to 19.7. set idle mixture to obtain 50 RPM rise on shutdown. Removed new outflow valve due to leaking banjo fittings, torqued loose banjo fittings and leak checked valve with 100PSI of nitrogen, checked good. Installed outflow valve and down pipe. Ground run ops and leak check good.

Terence Wray

IA 2702874

*[Signature]*TOP FLIGHT AVIATION MAINTENANCE 843-408-9555
843-408-9555

N210DF CESSNA T210J S/N T210-0397 TACH TIME: 33.1 12/02/2023

Removed engine cowling. Removed all spark plugs, cleaned gapped and tested all plugs. Installed all spark plugs with new spark plug gaskets. Installed new EZ heater model 441 onto oil pan. Cleaned all fuel injectors. Installed new fuel injector seals and o rings. Inspected engine for signs of leaks/damage. Small signs of leaks around fittings. Tighten fittings. Ran engine. Leak check good. Installed engine cowling.

Logan Thibodeau

AP4334252

[Signature]

TOTALS—Carry forward to next page

Engine Log N210DF Engine: Continental TSIO-520-R Serial #: 512156

Tach : 7254.0 TT (Engine): 2795.0 SMOH (Engine): 1215.2

Performed compression differential; found #4 cylinder to be at 40 psi. Removed cylinder #4. Installed new intake valve, P/N SA539988, exhaust valve, P/N SA643873, Seal-ring, p/n 653188, Rocker Thrust Washer, P/N 653188, Single Cylinder Ring Set, P/N SA5000-SC5 (Authorized Release Certificate #545853, by Superior Air Parts). Lapped valves and valve seats; honed cylinder. Installed new exhaust gaskets on cylinders #2 & #4 (See above). Checked magneto mag drop. Cleaned, gapped and tested spark plugs. Checked muffler and exhaust system for cracks and leaks.

Compression Differential after cylinder repair: (1) 76/80 (2) 73/80 (3) 79/80 (4) 65/80 (5) 76/80 (6) 70/80.

Researched applicable AD's: No applicable ADs were found for this engine at this time.

I certify that the engine identified above has been inspected in reference to a 100 hr inspection and was determined to be in an airworthy condition.

Harold Holladay
Harold Holladay A&P 3173828 IA
Date: May 1, 2019

PERFORMED—
PERSON PERFORMING WORK

SPRINGDALE AIRCRAFT MAINTENANCE SERVS. LLC.

950 S. OLD MISSOURI RD..

SPRINGDALE, AR 72764

(479) 751-7443

N210DF CONTINENTAL TSIO-520-R S/N. 512156 ETT:2834.9 ETSO: 1255.1 DATE: 12-28-2020

COMPLIES WITH ANNUAL/100 HRS INSPECTION IAW CHECKLIST. DRAIN OIL, REMOVED OIL FILTER, CUT AND CHECK FOR METAL DEBRIS, INSTALLED NEW FILTER CH48109-1 AND SERVICED WITH AS100W. PERFORMED COMPRESSION CHECK (COLD) WITH THE FOLLOWING #1 70, #2 68, #3 70, #4 64, #5 74, #6 69. REMOVED SPARK PLUGS, CLEANED, REGGAPED AND TESTED. INSPECTED ENGINE COMPONENTS FOR SAFETY AND CONDITION. NO AD'S TO COMPLIED WITH AT THIS TIME.

I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HRS. INSPECTION CHECKLIST AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. ALL WORK WAS ACCOMPLISHED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND MANUFACTURER'S MAINTENANCE INSTRUCTIONS.

George Chipollini
George Chipollini
A&P2617963IA

REGISTRATION: N210DF

TACH: 7294.8

DATE: 12/01/2021

MODEL: TSIO-520-R

ENGINE TSMO: 1256.0

SN: 512156

- ANNUAL INSPECTION
- CLEANED AND LUBRICATED WASTEGATE, INSPECTED EXHAUST PER AD, NO DEFECTS NOTED, INSPECTED TURBO INLET, NO DEFECTS NOTED.
- CLEANED, GAPPED AND TESTED SPARK PLUGS, CKD MAG TIMING, OK
- COMPRESSION CK #1 70/80, #2 70/80, #3 72/80, #4 70/80, #5 68/80, #6 70/80. MASTER ORIFICE 42 PSI
- GROUND RUN, ALL OPS NORMAL. NO LEAKS NOTED

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

KEVIN S DAVIS

AP431476148IA

wo: JBR_23-1006

Engine - page 1 of 1



Edmonds Aviation LLC - 3001 Earhart Drive - Jonesboro, AR 72401 - (870) 819-3569

N210DF

CONT MOTOR, IO 520 SERIES, S/N: ENGINE SN TBD

August 15, 2023

Replaced #3 & #6 EGT probe with new. Installed (2) P/N 86255 - ALCOR EGT PROBE TYPE K.

Technicians who worked on items listed above: Ernie Haycraft

Maintenance Release: With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this engine is approved for return to service at this time. Details of work performed are on file with Edmonds Aviation LLC under work order: JBR_23-1006.

Jonathan Edmonds A&P 3568491

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10/7/15	ETT: 2676.2	ETSO: 1076.4		Removed for PROP STRIKE INSPECTION FROM N210DF 5/14/0397 B Hough A: P 3779311
1/24/17	ACTT: 7135.2 ETT: 2676.2	ETSO: 1076.4		INSTALLED ENGINE AFTER PROP STRIKE WASP BY CRS W5945755 SEE 8430-3 LOG ENTRY DATED 12/9/15. COMPLIED WITH GROUND RUNS & LEAK CHECKS. OPERATION NORMAL, NO LEAKS NOTED. THIS ENGINE APPROVED FOR RETURN TO SERVICE Brian Hough A: P 3779311

MERLIN ONE AIRCRAFT LLC - 8901 Wetmore Rd, SA Tx 78216

TAIL: N210DF

S/N: T210

TAT: 7145.8

TAC: N/A

Description of work performed

ITEM

1

Drained Oil. Replaced Oil Filter with New. Cut and Inspected Filter. No Metal Noted. Serviced Engine with 10 qts Aeroshell 100w50. Complied with Ground Runs and Leak Checks. All Normal. No Leaks Noted. Oil Filter P/N: CH48109-1; NSN

I certify that the above repairs / components have been inspected and repaired I/A/W current Federal Aviation Administration Regulations and determined to be in airworthy condition for return to service.

Brian Hough
A&P: 3779311

Brian Hough

7/24/2017

Engine Log Book

Cessna 210 N210DF
February 25, 2019

Changed oil, using 16 quarts of AeroShell 100+ Oil and
Champion Oil Filter, P/N 48109.

Harold Holladay

Harold Holladay
A&P 3173828 IA

Date: February 25, 2019



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: TSIO-520-R

Serial Number: 512156

Time: 4065.73 TTE

Work Order: W051897

Date: 09 DEC 2015

G WORK

This engine was disassembled and inspected for a prop strike inspection per TCM SB96-11B. Crankcase M/N: L049010RS was fluorescent particle inspected. Crankshaft S/N: N02FA381 ultrasonic and magnetic particle inspected, COMPLIED WITH AD 97-26-17 (next due anytime crankshaft is removed). Installed a serviceable Crankshaft Gear, P/N: 536421 certified under our W/O W050678. Installed overhauled lifters, P/N: 653877 and 653888 certified by Aircraft Specialties Services Inc under their W/O 233891. Installed a serviceable Scavenge Pump Housing, P/N: 629084 certified under our W/O W052000. Installed a serviceable Intake Tube Elbow, P/N: 629138 certified under our W/O W050145. Installed a serviceable Balance Tube, P/N: 635645 certified under our W/O W052000. Installed a new Oil Gage P/N: 631915, and Oil Gage Rod, P/N: 632062-16A1. Two cylinders, P/N: ECC 71.2 CN, S/N: EC51449-4, EC51449-3 installed in positions 1 and 2 were honed and to STD limits and new ring set, P/N: CN110 installed. Installed 4 NEW Superior cylinders, P/N: SA52006-A22P, S/N: 526L1519142, 526L1519131, 526L1519132, 526L1519143. Installed serviceable Intake rocker arms, P/N: 539742 and exhaust rocker arms, P/N: 641682 certified under our W/O W051897. Installed rebuilt magnetos P/N: 63200, S/N: 111070897 and 11070880 certified by Quality Aircraft Accessories Inc. under their W/O 009790 and 009789 respectively. Woodward Governor, P/N: 210937 A, S/N: 12174804 was overhauled by Southwest Aero Inc. under their W/O 29322. Installed S539800M40 starter adapter spring in accordance with Aircraft Specialties Inc. STC SE09846SC and Aircraft Specialties services Service Bulletin No.: S-2008-01, Rev. 0, or later FAA approved revision. Starter Adapter was overhauled in accordance with Continental Motors Overhaul Manual X30575 and applicable Service Information. Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new crankshaft & counterweight bushings, pins, plates, and snap rings, new gaskets and seals as necessary. Engine was run in a test cell for leak and operations check. Assembled I/A/W Western Skyways, Inc. Repair Specification WS-100 "Use and Application of Hylomar Sealant" dated 11/10/2010, Continental Motors, Inc. Overhaul Manual X30575 and applicable service publications.

The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed:

Larry Flatten
CRS# WS9R575J

Form 201E

ANNUAL INSPECTION

MAINTENANCE RECORD

N210DF

ENGINE LOGBOOK ENTRY

CESSNA T210J

S/N: T210-0397

"ON WINGS OF EAGLES AVIATION SERVICES"

9925 PILOT POINT ST.

FORT WORTH, TX 76108

T/P (817) 691-7723

ENGINE MODEL : CONTENENTAL TSIO-520-R
ENGINE S/N : 512156

TOTAL A/F TIME: 6826.6 HR
HOBBS TIME: 6826.6 HR
TACH TIME: 735.6 HR
ENGINE SMOH: 108.6 HR

C/W AN **ANNUAL INSPECTION** ON **N210DF** ENGINE. CLEANED SPARK PLUGS, TIGHTENED LINES & CLAMPS. COMPRESSION CK. [1] 75/80 [2] 71/80 [3] 77/80 [4] 74/80 [5] 75/80 [6] 74/80. CKED EXHAUST & INTAKE SYS., TIMING, ENG. CONTROLS, FUEL CONT. BOLTS, FITTINGS, & LUBED AS REQUIRED. OIL CHANGE NOT DUE AT THIS TIME. REVIEWED AD'S AND SB'S AND C/W ALL RECURRING TO DATE. "I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED I/A/W FAR PART 43, APPENDIX D, CESSNA T210J, AND CONTINENTAL TSIO-520-R MAINTENANCE MANUALS, AND FOUND IT TO BE IN AN AIRWORTHY CONDITION."

WILLIAM G. CLARK

A&P: 3293268 IA

5/7/2013

SUB-TOTALS this page

TOTALS—Carry forward to next page

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				TOTALS brought forward from previous page

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

ENGINE Log Date: 8/22/2012 N: 210DF Tach: 6729.1

Pressure tested the induction and upper deck reference system for leaks, corrected one at the compressor discharge pipe. Installed a new turbo air inlet duct. Installed a new fuel hose with firesleeve from the fuel flow transducer to the inlet of the flow divider. Set up the fuel system per TCM SID 97-3E. Leak checked fuel system, no leaks noted.

Michael Medcalf
Michael Medcalf
A&P 2764389

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

ENGINE Log Date: 9/27/2012 N: 210DF Tach: 6733.9

Installed turboGAMIjectors under STC SE09289SC. Kit No. GT14B, S/N 22035. Pressurized fuel system and leak checked, no leaks noted. FAA 337 filed, no change in weight and balance.

Michael Medcalf
Michael Medcalf
A&P 2764389

10/24/2012 N210DF

Tach 6738.3

Drained oil and replaced with 11qts of Phillips 20w50XC. Replaced oil filter with AA48109. Cut open old filter no metal noted. Washed engine down and performed run-up. no leaks found.

W.A.Onderdonk III AP 467157126

W.A. Onderdonk

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page



WESTERN Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: TSIO-520-R

Serial Number: 512156

Time: 2270.8 Hrs. TTE

Work Order: 0027746

Date: 10/27/2011

This engine was disassembled for a prop strike inspection per TCM SB96-11B. All parts were cleaned and inspected. Crankcase M/N: L049010RS was fluorescent dye penetrant inspected and found serviceable. Crankshaft S/N: N02FA381 was magnetic particle inspected and ultrasonic inspected per AD97-26-17 and MSB96-10A. Replaced 12 ea. lifters with Aircraft Specialties Services, Inc. overhauled lifters P/N: SA628488 & SA646277, lifters are not affected by AD2010-11-04 by part number. Installed original camshaft P/N: 535661. Replaced small cam gear P/N: 535662 with used serviceable gear. Replace starter adapter shaft gear P/N: 529568 with M030 reground and overhauled gear. Installed new spring clutch P/N: 529800M030 in accordance with Aircraft Specialties Services, Inc. STC SE09846SC, submitted FAA Form 337 in accordance with CFR Part 43 Appendix B. Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new crankshaft & counterweight bushings, pins, plates, and snap rings, new gaskets and seals as necessary. Magnetos S/N: 03011692 & 03011691 were replaced with new Slick magnetos P/N: 6320 S/N: 11070879 & 11070880. Replaced turbo support brackets, washers, and cotter pins with new P/N: 1250818-14, 1250818-16, 1250897-1(2 ea.), 1250897-3, MS24665-214 and NAS1149C1290R. Remaining accessories were cleaned and visually inspected only. Replaced cylinders with 6 ea. overhauled Superior cylinders P/N: SA5006 S/N: L06-3564, L06-3613, L06-3634, L06-3616, L06-3635, & L06-3618; cylinders not affected by AD2007-04-19 R1 and AD2009-16-03 by part number. Installed new pistons and piston pins P/N: AEC648044 and pin P/N: 630046. Engine was run in a test cell for leak and operations check. Assembled I/A/W Western Skyways, Inc. Repair Specification WS-100 "Use and Application of Hylomar Sealant" dated 11/10/2010, Teledyne Continental Overhaul Manual X30575A and applicable service publications.

The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed: 

Rene Medina, Chief Inspector
CRS# WS9R575J

FAX 970-249-84155 249-0232 Phone

N210DF
CESSNA T210J

S/N T210-0397

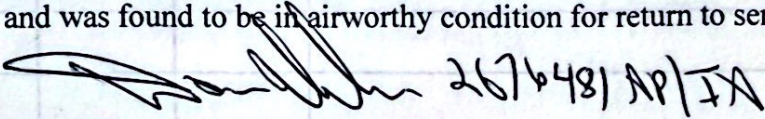
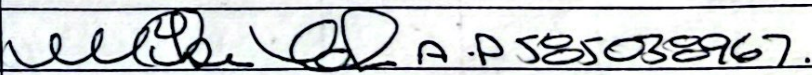
~~TIME~~: TACH 6719.2

INSTALLED ENGINE IN ACCORDANCE WITH T210J MAINTENANCE MANUAL. SERVICED ENGINE WITH AEROSHELL 100 MINERAL OIL. REPLACED LORD MOUNTS. C/W AD 71-09-07 R1 EXHAUST INSPECTION. GROUND RAN ENGINE OPS/LEAK CHECK C/W. NO DEFECTS NOTED. I CERTIFY THAT THE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL 100-HR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION ON THIS DATE.

DATE: 4-11-12  A.P. 850380677A.

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
Date: March 7, 2011 Tach: 6717.6 Total Time: 2269.4 Make/Model: Continental TSIO-520-R S/N 512156 TSMOH: 669.4 Check compression #1/79, #3/79 #4/77, #5/78, #6/79 in accordance with TCM SB03-3, master orifice read 41. Cleaned, gapped, and inspected sparkplugs. Drained oil, removed, cut and inspected oil filter- no metal found and installed new CH48109-1 filter. Serviced with 10 quarts of Aeroshell W100 sae 50. Removed #2 cylinder for low compression and installed newly overhauled cylinder, p/n 639272, s/n JJI66365 in accordance with engine overhaul manual and TCM SB96-7C. Removed #2 exhaust hydraulic lifter and installed a new lifter, p/n SA646277. Removed both magnetos, p/n 6320, s/ns 03011691 & 03011692 for 500hr inspection, see yellow tags. Reinstalled both magnetos and timed to engine. Removed fuel pump, p/n 646768-1A1, s/n B02JA391R, fuel control, p/n 632774-2R14, s/n A02JA351R, flow divider, p/n 634326-12A2, s/n C02JA345R, and all fuel nozzles, p/n 632748-14B and sent to Navajo Accessories for repair. See yellow tags. Installed all fuel components and rigged in accordance with Cessna service manual. Adjusted the fuel system in accordance with TCM SID97-3E. Cleaned engine and test ran in accordance with TCM M89-7R1 and all engine operations were found to be normal and no leaks found. Researched all AD's to this date. I certify that this engine has been inspected IAW ANNUAL inspection and was found to be in airworthy condition for return to service.  2676481 AP/JA				
5.31.11				REMOVED ENGINE FROM N210DF
TACH 6719.0				T210J SN 0397 - ENGINE DUG
				PRED STRIKE INSPECTION.
				 A.P. 585038967.
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

**AHR AVIATION CRS#CF2R740R
SAN ANTONIO INTERNATIONAL A/P**

TSIO-520-R S/N 512156 W/O# 34289 H/M 0733.3 TACH 6663.0

Complied with the Following Repairs:

- ☛ Fuel Pump Sent Out To Navajo Accessories, Ref WO# 74651
- ☛ Fuel Control Valve & Throttle Body Assembly, Sent Out To Navajo Accessories, Ref WO# 74651
- ☛ Fuel Injection Divider Sent Out To Navajo Accessories, Ref WO# 74651
- ☛ Reinstalled Fuel Pump W/New Gasket (P/N 653742), Fuel Control Valve, Flow Diverter, & Throttle Body Assembly, IAW TSIO520 Overhaul Manual & Cessna 1969 210 Service Manual sec. 12A
- ☛ Adjusted metered Fuel Pressure IAW TSIO520 Overhaul Manual & Cessna 1969 210 Service Manual sec. 12A

The components identified above were installed and inspected in accordance with current regulations of the Federal Aviation Administration and are approved for return to service for work performed. Pertinent details of the installation are on file at this Repair Station under the Work Order Number stated above.

INSPECTOR: Douglas P Abshier

DATE: 11/04/09

**AHR AVIATION CRS#CF2R740R
SAN ANTONIO INTERNATIONAL A/P**

Continental TSIO-520-R S/N 512156 W/O# 34421 TSO 0666.4 TACH 06664.6

Complied with the Following Inspection Items

- ☛ Annual Inspection IAW FAR 43 appendix "D" ref Cessna Service Manual sec. 2
- ☛ Inspected Oil Filter Element, No Metal Found
- ☛ Compression Check #1 62 #2 55 #3 70 #4 65 #5 74 #6 73

Complied with the Following Airworthiness Directives and Service Bulletins

- ☛ ADs Checked Bi-Weekly Through 2009-25
- ☛ AD 2009-16-03 Inspect SAP Cylinder Assemblies DUE 0750.0 TSO

Complied with the Following Repairs

- ☛ Cleaned, Inspected, Installed Injectors IAW Cessna T210 AMM 12-61
- ☛ Performed Oil Change, Serviced with 11quarts Aero Shell W100
- ☛ Installed New Drain Plug (P/N 532432)
- ☛ Installed New Gasket (P/N MS35769-11)
- ☛ Installed New Oil Filter (P/N CH48109-1)

The components identified above were installed and inspected in accordance with current regulations of the Federal Aviation Administration and are approved for return to service for work performed. Pertinent details of the installation are on file at this Repair Station under the Work Order Number stated above.

INSPECTOR: Douglas P. Abshier

DATE: 12/09/09

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
17 May 08		460.2	6458.4	<p>Compressions: 1 $7\frac{1}{80}$ 2 $6\frac{1}{80}$ 3 $7\frac{5}{80}$ 4 $7\frac{4}{80}$ 5 $7\frac{1}{80}$ 6 $7\frac{2}{80}$. Removed Air Filter Cleaned Reinstalled Changed oil Filter CH48109 Drained service oil & serviced AERO Shell W100. Removed serviced Reinstalled Plug Spark Plugs. I certify That This Engine Has Been Inspected AN AN ANNUAL Inspection and found To Be in an Airworthy Condition. Rex ABP ABP IA 567237775</p>
16.12.06				<p>CHW 100 HO INSPECTION USING TACH 6520.0 2105 SERIES M.M. INSPECTION FORM. TSMOH 5218 CHANGED OIL SVC W1A4.100W Filter CH48109.1 C Cuts inspect filter - NO DEFECTS. COMPRESSION: 1 $7\frac{1}{80}$ 2 $7\frac{1}{80}$ 3 $7\frac{3}{80}$ 4 $7\frac{2}{80}$ 5 $7\frac{1}{80}$ 6 $7\frac{3}{80}$. REPLACED ALT BELT S2416.1.31.0 OPS CHECK O/W GROUND RUN ENGINE OPS/LEAK CHECK CHW NO DEFECTS. CHW AD 71.09.01 OPS & EXT SYSTEM.</p>
				<p>I certify that this aircraft/engine has been inspected in accordance with an annual/ 100 ho inspection and found to be in airworthy con- dition on this date. 16.12.06 WILLIAM A. P. 567237775</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

1. Approving National Aviation
— Authority/Country:

AUTHORIZED RELEASE CERTIFICATE
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

727850

FAA/UNITED STATES

4. ORGANIZATION **Cessna Aircraft Company**

5. Work Order/Contract/Invoice
Number:

304518

Cessna Pa
5800 E
6. Item: 12
7. Description: ACTUATOR

13. Remarks:
AIRWORTHINESS
206,210

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

☒ Approved design
☐ Non-approved design

15. Authorized Signature:

17. Name (Typed or Printed):

JAMES A. SCOTT

It is important to understand that the existence of this document alone does not constitute installation certification. Where the user/installer performs work in accordance with the national regulations specified in Block 1, it is essential that the user/installer ensures that his/her authority of the country specified in Block 1

Statements in Blocks 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.

FAA Form 8130-3 (6-01)

Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-900

1. Approving National Aviation
— Authority/Country:
FAA/UNITED STATES

2. ORGANIZATION
Cessna Aircraft Company

Cessna Parts Distribution
5800 E Pawnee, Wichita, KS

6. Item: 1
7. Description: FILTER AIR AM101935FP

8. Part Number:
1 FILTER AIR AM101935FP

13. Remarks:

AIRWORTHINESS APPROVAL - PARTS.

206,207,210,P210

14. 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 13.

15. Authorized Signature:

16. Approval/Initials: **10012**

17. Name (Typed or Printed):

WILLIAM AUSTIN, ODARF

18. Date (m/d/y):

02

It is important to understand that the existence of this document alone does not constitute installation certification. Where the user/installer performs work in accordance with the national regulations specified in Block 1, it is essential that the user/installer ensures that his/her authority of the country specified in Block 1

Statements in Blocks 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.



ITEM: 1

PN: AM101935FP



QTY: 1

U/M: EA

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
2 June 03	50	50	6098.2	Change Oil to W100 AEROSHELL Removed inspected filter, & Install New CH48109 Filter. Robert S. Rust ATP567237775
25 July 03		80.2	6128.4	Comp. 1) 7/80 2) 7/80 3) 7/80 4) 7/80 5) 7/80 6) 7/80. Changed Oil Serviced Filter & Spark Plugs. Inspected Engine IAW CESSNA 100hr Check list, and found to Be in Airworthy condition. Robert S. Rust ATP567237775
4 Aug		104.6	6176.8	Changed Oil & inspected filter installed New CH48109 and Inspected IAW CESSNA 50hr Check list and found t. Be airworthy. Robert S. Rust ATP567237775

DATE: 29 AUG 03 TACH: 6214.6 T.S.M.O.H. 142.8
 COMPRESSIONS: 1) 78/80 2) 79/80 3) 78/80 4) 78/80 5) 79/80 6) 78/80. CHANGED OIL AND FILTER
 INSPECTED OIL FILTER NO METAL NOTED. SERVICED, ROTATED AND REINSTALLED SPARK
 PLUGS. SERVICED WITH AREOSHELL W100. C/W AD 71-09-07 EXHAUST INSPECTION DUE
 EVERY 100HR. INSPECTED ENGINE I.A.W. CESSNA 100HR CHECK LIST AND FOUND TO BE
 IN AIRWORTHY CONDITION.

ROBERT S. RUST A&P567237775

DATE 25 OCT 03 TACH 6263.6 T.S.M.O.H. 191.8
 CHANGED OIL AND FILTER SERVICED WITH AERO SHELL W100. INSPECTED ENGINE I.A.W
 CESSNA 50HR CHECKLIST AND FOUND TO BE IN AN AIRWORTHY CONDITION.

ROBERT S. RUST A&P567237775

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

 21 Creative Place
 Montrose, CO 81401
 www.westernskyways.com

 (303) 875-4029
 (970) 249-4252
 FAX: (970) 249-4155

Engine Make: CONTINENTAL Model: TSIO-520-R
 Serial Number: 512156 W/O No: 15243 Date: 12/07/02
 Warranty Number: L2178 Warranty Start Date: 12/02
 Crankshaft Serial No: N02FA381 Cylinder Part Number: SA52000-A22P

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30575A See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 1600.0 Hrs.

This engine meets requirements of CONTINENTAL SIL98-9 for 1600.0 Hour TBO.

The accessories listed below were overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	BL-349350-4	F02JA063R	Vac Pump:	N/A	N/A
R/H Mag:	BL-349350-5	F02JA105R	Wastegate:	N/A	N/A
Fuel Pump:	646768-1A1	B02JA391R	Alt/Gen:	N/A	N/A
Inj/Carb:	632774-2A14	A02JA381R	Pop Off:	N/A	N/A
Man Valve:	634326-12A2	C02JA345R	Controller:	N/A	N/A
Starter:	ES646275-1	C042246	VAPC:	N/A	N/A
Turbo:	406610-9005	FER00262	Fuel Limiter:	N/A	N/A
Generator:	N/A	N/A	Valve:	N/A	N/A
Rel Valve:	N/A	N/A	Prop Gov:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: _____

Repair Station No. WS9RS75J

DATE 04/04/03


TACH 6048.2

T.SM.O.H.O.O

INSTALLED OVERHAULED ENGINE ON AIRFRAME .PERFORMED RUN
 UP LEAK CHECK SETIDLE,MIXTURE,AND STATIC RPM. INSPECTED
 ENGINE I.A.W. AN ANNUAL INSPECTION ANTO BE IN AIRWORTHY
 CONDITION.

ROBERT S. RUST A&P I.A. 567237775

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		1201.1		TOTALS brought forward from previous page
7 Aug 02		1201.1	5915.6	Compression 1) 74/80 2) 72/80 3) 72/80 4) 76/80 5) 74/80 6) 70/80. Removed and Cleaned fuel injectors Reinstalled Changed oil and filter CH48109. serviced 10 Qts AERO Shell U100. Removed and serviced Rotated and Reinstalled SPARK PLUGS C/W AD 71-09-07 Exhaust inspection. Inspected Engine I AW CESSNA 100hr Check list and found to Be in Airworthy Condition. Robert S. Pinley A&P 67237775
				8/29/02 N210DF TACH 5954.1 SMOH 1257.9
				Change oil and filter, service with Aeroshell 100 W. Clean, gap, inspect and rotate spark plugs. Inspect exhaust per AD 71-09-07. Remove and inspect right magneto. Reinstall and time to engine. Install new noise capacitor on alternator. Install new tee and hose to magneto pressurization.
				I certify that this engine has been inspected in accordance with a ANNUAL Inspection and determined to be in air worthy condition.
				Steven D Pinley A&P5646653071A
				STD Ry
45 Aug 03		1307.9	6004.1	Changed oil service Bottom Plugs Reinstalled. Replaced oil Filter CH48109 Inspected Engine I AW CESSNA 50hr Check list and found to be Airworthy. SUBTOTALS ON THIS PAGE: 1307.9 6004.1 TOTALS—Carry forward to next page

Scanned with
 CamScanner™

JOB V
NO

TURBO INSPECTION
RESULTS M.6

EQ: 1

TACT:

NE: 20

TURBINE WHL:	BAL. BY: <u>M.6</u>
JRNL: <u>6251</u>	JRNL: <u>6251</u>
FACTORY NEW:	NDT. INSP. <u>M.6</u>
COMPRESSOR WHL:	BAL. BY: <u>M.6</u>
COMP. HSG. CHECK:	<u>OK</u>
FACTORY NEW:	NDT INSP: <u>M.6</u>
SEAL PLATE BORE DIA:	<u>6880</u>
HEAT SHIELD HEIGHT:	<u>1.307</u>
THRUST SPACER O.D.:	<u>6773</u>
TURBINE HSG:	A/R <u>1.83</u>
BRG. HSG. CHECK	<u>OK</u>
FACTORY NEW: <input checked="" type="checkbox"/>	NDT INSP:
THRUST COLLAR DIA:	<u>2999</u>
COMPRESSOR HSG: S/P CHK:	<u>OK</u>
BRG HSG. SEAL BORE DIA:	<u>8130</u>
BORE DIA: C/S: <u>9830</u>	T/S: <u>9830</u>
RADIAL CLEARANCE:	<u>005</u>
AXIAL CLEARANCE:	<u>006</u>
FINAL INSPECTION	
INSPECTOR:	<u>[Signature]</u>
RADIAL & AXIAL CHECK:	<u>OK</u>
LOCKTABS-SAFETY WIRE:	<u>OK</u>
COTTER PINS:	<u> </u>
FREE SPIN CHECK:	<u>OK</u>
OVERALL APPEARANCE:	<u>OK</u>
PLUGS-GASKETS-FITTINGS:	<u>OK</u>

BILL T

ADDR

CITY:.

DESC

P/N

AIRCF

RECE

RECE

INSPE

FITTIN

O.E.M.

SPECIA

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1

1

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3

2

1. United States		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration			3. System Tracking Ref. No. 4247	
COMPONENTS, INC.		FAA APPROVED REPAIR STATION NO. 07TR2100 (800)523-4809			4. Work Order, Contract or Invoice Number: 21550	
5. Part Number	6. Eligibility *	7. Quantity	8. Serial/Batch Number	9. Status/Work		
ER 406610-9005	VARIOUS	1	TFR0189	OVERHAULED		

describing the actual work performed is attached
 ed in accordance with FAA approved data
 C295001-0101
 CK ELIGIBILITY WITH APPLICABLE DATA

ed by maintenance history including total time/total cycles/time since new.

10. Return to Service in Accordance with FAR 43.9
 Certifies that the work specified in block 13 (or attached) above was
 carried out in accordance with FAA airworthiness regulations and in
 respect to the work performed the part(s) is (are)
 APPROVED FOR RETURN TO SERVICE

11. FAA Authorization No.:
 12. Date:
 13. Authorized Signature:
 14. Name (Typed or Printed):
 Greg Flores
 15. Certificate Number:
 07TR2100
 16. Date:
 11/15/01

* (Optional) Installer must cross check eligibility with applicable technical data.

Airworthiness Approval Tag
 User/Installer Responsibility
 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.

DATE 9MAY02

TACH 5815.6

T.S.M.O.H 1101.1

REPLACED SPARK PLUGS P/NRHB32E .CHANGED OIL REMOVED OIL
 FILTER AND INSPECTED NO METAL NOTED.INSTALLED NEW OIL
 FILTER P/N CH48109.SERVICED WITH AEROSHELL W100
 INSPECTED I.A.W. CESSNA 100HR CHECK LIST AND FOUND TO
 BE IN AN AIRWORTHY CONDITION.

ROBERT S. RUST

9MAY02	TACH 5815.6	1146.8 TSMOH
Changed oil & filter inspected filter		
for metal none noted service 12 AEROSHELL		
W100. OPV & Leak & good Inspected		

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
				8/29/00 N210DF TACH 5365.3 SMOH 650.7 Change oil and filter, service with Aeroshell 100 W. Remove exhaust clamp from left front riser, clean and reinstall. Inspect exhaust per AD 71-09-07R1/ due again in 50hours. Steven D Pinley A&P564665307IA <i>SDRy</i>
				2/9/01 N210DF TACH 5422.8 SMOH 708.2 Change oil and filter, service with Aeroshell 100 W. Clean spark plugs. Inspect exhaust per AD 71-09-07. Install new waste gate actuator. Have fuel injection flow divider and servo overhauled by Accessories Connection. Check and adjust fuel pressures. I certify that this engine has been inspected in accordance with a 100HR Inspection and determined to be in air worthy condition. <i>SDRy</i> Steven D Pinley A&P564665307IA
				5/31/09 N210DF TACH 5479.0 SMOH 764.4 Change oil and filter, service with Aeroshell 100 W. Tighten intake hose clamps. Lube waste gate. <i>SDRy</i> Steven D Pinley A&P564665307
				7/12/01 N210DF TACH 5422.8 SMOH 813.7 Change oil and filter, service with Aeroshell 100 W. Clean spark plugs. Inspect exhaust per AD 71-09-07. I certify that this engine has been inspected in accordance with a 100HR Inspection and determined to be in air worthy condition. <i>SDRy</i> Steven D Pinley A&P564665307IA

SERVICEABLEMfr. Name airesearch Part No. 470944-12Part Name press. relief valve Serial HH0345

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

Work Order No. 22208Date 5-1-00 Signed Dan Man
(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

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**4/24/00 N210DF TACH 5174.1 SMOH 459.5**

Change oil and filter, service with Aeroshell 100 W. Clean, gap, inspect and rotate spark plugs. Inspect exhaust per AD 71-09-07. Install new turbo pop off valve.

I certify that this engine has been inspected in accordance with a 100HR Inspection and determined to be in air worthy condition.

SD Pinley

Steven D Pinley A&P5646653071A

Date 6-24-2000 Tach 5225.2 TSMH 510.6
certify that this aircraft/engine has been inspected in accordance with 50HR inspection and was determined to be in airworthy condition.Pertinent details of this inspection are on file at this Repair Station under Work Order No. 11769 Date 6-24-2000Signature [Signature]EL AERO SERVICES, INC.
P.O. Box 149

Elko, Nevada 89803

FAA Approved Repair Station No. AQHR225C

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

Pertinent details of the repair are on file at this Repair Station under Work Order No. 11769 Date 6-24-2000Signature [Signature]EL AERO SERVICES, INC.

P.O. Box 149

Elko, Nevada 89803

FAA Approved Repair Station No. AQHR225C

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9/28/99				N210DF TACH 5010.3 SMOH 295.7 Install rebuilt fuel pump, adjust fuel pressure. Install resurfaced rockers on exhaust position. C/W AD 71-09-07 Steven D Pinley A&P564665307IA <i>Steven D Pinley</i>
9/29/99				N210DF TACH 5014.2 SMOH 299.6 Change oil and filter, Service with Aeroshell W100. Inspect filter contents. Adjust metered fuel pressure and idle RPM. Remove inspect, adjust and leak check waste gate. Steven D Pinley A&P564665307IA <i>Steven D Pinley</i>
10-26/99				N210DF TACH 5076.0 SMOH 361.4 Change oil and filter, service with Aeroshell 100 straight mineral oil. Clean, gap, inspect and rotate spark plugs. Inspect exhaust per AD 71-09-07. I certify that this engine has been inspected in accordance with a 100HR Inspection and determined to be in air worthy condition. Steven D Pinley A&P564665307IA <i>Steven D Pinley</i>
3-9-00			5125.0	Change oil + filter. Clean + gap spark plugs. Inspect exhaust per AD 71-09-07 <i>Steven D Pinley A&P564665307IA</i>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

PROPELLER GOVERNORS FOR PISTON ENGINE POWERED AIRCRAFT

TEST RECORD

1. Part Number	<u>210937A</u>
2. Serial Number	<u>12174804</u>
3. Rotation, Facing Drive Pad	CW <u>✓</u> CCW <u> </u>
4. Pressure Sense, Pressure To -	DEC <u> </u> INC <u>✓</u>
5. Maximum RPM	<u>2733</u>
6. Control Arm Position (at Max. RPM)	<u>193°</u>
7. Unfeathering RPM (if applicable)	<u>N/A</u>
8. Relief Valve Press. (at RPM Specified)	<u>296</u>
9. Pump Capacity (Qts./Min)	<u>5.24</u>
10. Control Arm Angular Travel	<u>66</u> deg. Total <u>90</u> deg.
11. Minimum RPM or Feathering RPM	<u>1434</u>
12. Pickup Output (RMS) (if applicable)	Volts <u>N/A</u> at RPM <u>N/A</u>
13. Internal Leakage (Qts./Hr.)	<u>22.50 Qts./Hr.</u>
14. External Leakage (none permitted)	<u>None</u>
15. Torque Check (After test before wiring)	
Control lever screw (33-38 lb. in.)	<u>✓</u>
Stop Ring Clamp Screw (See page 4)	<u>N/A</u>
16. Sales Order	<u>N/A</u>
Date Tested	<u>99.03.10</u>
Tested By	<u>Sturman</u>

MARK N/A ON ANY LINE NOT APPLICABLE TO THE GOVERNOR ON TEST.

W/O 1281873

WOODWARD GOVERNOR COMPANY

AIRCRAFT ENGINE SYSTEMS

ONE WOODWARD WAY P.O. BOX 405
PHONE: 815-624-4400 ROCKTON, IL 61072-0405 FAX: 815-624-4690



SALES ORDER #:	1423205
DATE ENTERED:	23-APR-1999
CHANGE #:	12
DATE CHANGED:	23-APR-1999
ORDER TYPE:	XCG

CERTIFICATE OF CONFORMANCE

COC (SID):1660319		
COC DATE	: 23-APR-1999	C
PO #:		
PLANT: 01	B/U: 26	SHIP PLANT: 01

CUSTOMER #: A1227151
CUSTOMER CONTACT: HART DROBISH
PURCHASE ORDER #:
CONTRACT #:
PAYMENT TERMS: CHARGE CARD AUTHORIZED
IPR SUSPEN. #:

SHIP VIA: UPS RED (NEXT DAY)
ACCOUNT:
FREIGHT: WE STAND FREIGHT
DELIVERY TERMS: FOB ORIGIN
BTW/VAT #:
DESTINATION CODE:

CUSTOMER SOLD TO:
COURTNEY AVIATION
P. O. BOX 1196
COLUMBIA CA 95310

Sales Order- 1423205 CoC- 1660319
SHIP TO: 1
ATTN:
COURTNEY AVIATION
10759 AIRPORT ROAD
COLUMBIA CA 95310

BILL TO:
ATTN: HART DROBISH
COURTNEY AVIATION
P. O. BOX 1196
COLUMBIA CA 95310

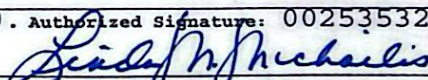
EXCHANGE - FLAT RATE - OVERHAUL

***** 8130-3 FAA TAG REQUIRED *****

P.O. LINE	ITEM PFX/NUMBER	CUSTOMER PART NUMBER	ITEM DESCRIPTION	REQUESTED DATE	DUE DATE	QTY
1	210937		GOVERNOR - CSSA COMMODITY CODE: 8803.10.0010	23-APR-1999	23-APR-1999	1
		SERIAL NUMBER(S):	12174804			
2	FREIGHT		Freight	23-APR-1999	23-APR-1999	1

IN EXCHANGE FOR: G210452

PRICE MAY CHANGE IF OTHER THAN THE SAME
MODEL IS RETURNED, OR IT IS DAMAGED, OR
HAS PARTS MISSING. CORES NOT RETURNED
WITHIN 30 DAYS WILL BE REINVOICED AT
THE OUTRIGHT PURCHASE PRICE. WHEN RETURNING
YOUR CORE PLEASE REFERENCE THE SALES ORDER
TO ENSURE THAT IT IS APPLIED CORRECTLY.
CERTIFICATION STATEMENT "E": In accordance with
the requirements of your purchase order, this is
to certify that the parts herein described were
maintained in accordance with all applicable
specifications and approved type design data, and
are in a condition for safe operation. The

1. United States		FAA FORM 8130-3 Airworthiness Approval Tag US Department of Transportation Federal Aviation Administration			3. System Tracking Reference Number 157630	
4. Organization WOODWARD GOVERNOR COMPANY AIRCRAFT ENGINE SYSTEMS ONE WOODWARD WAY P.O. BOX 405 ROCKTON, IL 61072-0405					5. Work Order, Contract, or Invoice Number W.O. # 1281873	
				<input checked="" type="checkbox"/> PQ2020CE <input type="checkbox"/> UU2R227L <input type="checkbox"/> UU2D227L		
6. Item	7. Description	8. Item Number	9. Eligibility *	10. Quantity	11. Serial/Batch No.	12. Status/Work
1	GOVERNOR - CSSA	210937 rev A	E2A34C, PHC-J3YF-1	1	12174804	NEWLY OVERHAULED
13. Remarks See attached repair report for work instructions (including customer P.O. No. if applicable at time of work), personnel performing work, dates of completion, time or cycles in service if reported, and parts replaced.						
Limited life items must be accompanied by maintenance history including total time/total cycles/time since new.						
14. <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> Max <input type="checkbox"/> </div> <div> <input type="checkbox"/> </div> </div> Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the item(s) is (are) approved for return to service. Make no change to the work specified in block 13 (or attached) above. 				19. Return to Service in Accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the item(s) is (are) approved for return to service.		
15. Signature		16. FAA Authorization		20. Authorized Signature: 002535321		21. Certificate Number:
						UU2R227L
17. Name (Typed or Printed)		18. Date		22. Name (Typed or Printed):		23. Date:
				Linda M. Michaelis		03-11-1999

FAA Form 8130-3(11-93)

* (Optional) Installer must cross check eligibility with applicable technical data.

Airworthiness Approval Tag 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.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.

OERR

WOODWARD GOVERNOR COMPANY
AIRCRAFT ENGINE SYSTEMS

REPAIR REPORT

SHEET 1 OF 2

11-MAR-1999

UNIT SERIAL NO: 12174804

CUSTOMER: Aircraft Engine Systems

UNIT ITEM NO: 210937 A

WORK ORDER NO: 1281873

RECD ITEM NO:

CUSTOMER ORDER NO:

SALES ORDER NO:

CYCLES SINCE: NEW N/R

OVERHAUL N/R

TIME SINCE REPORTED: NEW N/R OVERHAUL N/R

REPAIR N/R

F.A.A. TAG NO: 157630

ITEM NUMBER	ITEM NAME	QTY	UNIT PRICE	TOTAL PRICE	REASON CODE	STOCK CODE	OTHER	REASON FOR USING
180231	RETAINER-THRUST BEARING	1			003	N		
182798	PACKING-.093 W X .562 I	1			003	F		
184793	PIN-DOWEL	2			003	N		
186320	GASKET-.875 X .630 X .0	1			003	N		
188141	WASHER-#10 SPLITLOCK	1			003	F		
188301	NUT-6-32 UNC-2B HEX	1			003	N		
188302	NUT-164-32 UNC-2B PLAI	1			003	N		
189482	SCREW-.164-32 X .625 DR	6			003	N		
189531	SCREW-.138-32 X .625 LG	1			003	N		

STOCK CODES

(ITEMS CONTINUED ON NEXT PAGE)

REASON CODES

003 - REPLCD AT FAC OVERHAUL

N = NEW
F = NEW
NE = EXCHANGE
R = REPAIR
RE = EXCHANGE
REPAIR
ZZ = NOT PICKED

DESCRIPTION OF REPAIR OR GENERAL REMARKS:

TESTED BY : D. Furman 10-MAR-99
LOCKWIRED BY: L. Ciaccio, S. Vongsavanthong 11-MAR-99
Assy By: D. Stoltz Date: 99-03-05
Repaired () Newly Overhauled (X) Altered () Inspected ()
Work Inst: 33201
TSP-197 BU

E/C recvd: N/A E/C shpd: A Rotable Y(X) N()
Notes: Overhaul unit. Order all parts from stock.

REPAIR REPORT

UNIT SERIAL NO: 12174804
UNIT ITEM NO: 210937 A
RECVD ITEM NO: _____
SALES ORDER NO: _____
TIME SINCE REPORTED: NEW N/R OVERHAUL N/R REPAIR N/R

CUSTOMER: Aircraft Engine Systems
WORK ORDER NO: 1281873
CUSTOMER ORDER NO: _____
CYCLES SINCE: NEW N/R OVERHAUL N/R
F.A.A. TAG NO: 157630

ITEM NUMBER	ITEM NAME	QTY	UNIT PRICE	TOTAL PRICE	REASON FOR USING		
					REASON CODE	STOCK CODE	OTHER
189574	SCREW-#0 X .187 LONG DR	2			003	F	
189739	WASHER-.164 ID X .293 O	6			003	F	
191869	SPRING-	1			003	N	
192558	SPRING-RELIEF VALVE	1			003	N	
196405	FLYWEIGHT-	2			003	NE	RE: Rwk Ex
204864	GEAR-PUMP IDLER	1			003	N	RE: Mag Ex
206336	RING-FORMED OIL SEAL	1			003	N	
206337	GASKET-COVER	1			003	N	
208455	COVER-SHIPPING	1			003	ZZ	
209217	GASKET-GOV. MOUNTING	1			003	F	
210031	STUD-IDLER GEAR	1			003	N	
210036	BEARING-NEEDLE	1			003	N	
210206	GEAR-PUMP DRIVE	1			003	N	RE: Mag Ex
210253	BODY-GOVERNOR	1			003	N	
210257	PLUNGER-RELIEF VALVE	1			003	N	
210332	PLUNGER-PILOT VALVE	1			003	N	
213214	BASE-GOVERNOR	1			003	N	
218036	SCREW-.190-24 X .438 SL	2			003	N	
218446	PLUG-RELIEF VALVE	1			003	N	
218537	SCREW-.164-32X.750 DR S	1			003	N	
219414	RING-.432 ID X .027 RET	1			003	F	
223003	DECAL-DATE OF ASSEMBLY	1			003	ZZ	
223423	NAMEPLATE-	1			003	ZZ	
1010-810	WASHER-.130 ID X .280 O	4			003	N	
1039-268	SCREW-10-32 X .875 SOC	1			003	N	
1419-552	PIN-STRAIGHT	2			003	N	
1533-210	SPRING-SPEEDER (60 LB.	1			003	N	
3026-850	SHAFT-SPEED ADJUSTING	1			003	N	
3111-022	SHIM-.290 OD BRASS	2			003	N	
3211-086	RACE-BEARING	1			003	N	
3989-020	RETAINER-FLYWEIGHT PIN	2			003	N	
4060-620	COVER-GOVERNOR	1			003	N	
4451-100	LEVER-SPEED ADJUSTING	1			003	N	
4507-018	HEAD-FLYWEIGHT	1			003	N	

WOODWARD GOVERNOR COMPANY

AIRCRAFT ENGINE SYSTEMS

ONE WOODWARD WAY P.O. BOX 405
PHONE: 815-624-4400 ROCKTON, IL 61072-0405 FAX: 815-624-4690

CERTIFICATE OF CONFORMANCE



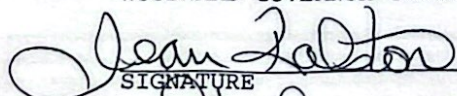
SALES ORDER #:	1423205
DATE ENTERED:	23-APR-1999
CHANGE #:	12
DATE CHANGED:	23-APR-1999
ORDER TYPE:	XCG

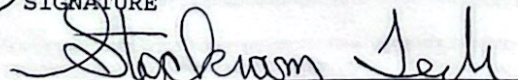
COC (SID): 1660319	
COC DATE : 23-APR-1999	C
PO #:	
PLANT: 01	B/U: 26 SHIP PLANT: 01

P.O. LINE	ITEM PFX/NUMBER	CUSTOMER PART NUMBER	ITEM DESCRIPTION	REQUESTED DATE	DUE DATE	QTY
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applicable chemical, physical, and functional
requirements are on file and subject to review
at the Woodward Governor Company.

WOODWARD GOVERNOR COMPANY REPRESENTATIVE


SIGNATURE


TITLE

4-23-99
DATE

UNITED STATES LAW PROHIBITS DISPOSITION OF THESE COMMODITIES TO: ANGOLA, BOSNIA, CUBA, HERZEGOVINA, IRAN, IRAQ, LIBYA, MONTENEGRO, NORTH KOREA, RWANDA, SERBIA,
UNLESS OTHERWISE AUTHORIZED BY THE UNITED STATES GOVERNMENT.

DBOURG/GRALST

03 SEP 1990

COC (STD):1660319



AIRCRAFT ENGINE SYSTEMS

ONE WOODWARD WAY P.O. BOX 405
PHONE: 815-624-4400 ROCKTON, IL 61072-0405 FAX: 815-624-4690

PAGE 2 OF 3
13 APR - 1999

1423205

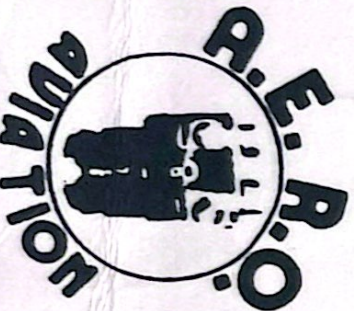
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
12/12/95	Tach: 4571.7			CLW Annual Inspection per Cessna Form for HPSE aircraft.
ENGINE - Drained oil, cleaned screens, changed oil filter, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and alternator/generator brushes, checked mags and timed properly, checked prop for leaks, grease, dome pressure inspect exhaust system. Functionally checked engine.				COMPRESSION CHECK #1 72 #4 62 #2 R&R #5 62 #3 66 #6 R&R
Eng. using Phillips 20W/50.				
1) Replaced #2 & #6 cyls w/ complete cyl. assy. from AERO Aviation. Cyls installed per Cont. Ser. Manual. Eng. Ops. chkd, & was found to be OK. See maint. release.				
2) Removed - cleaned - reinstalled all fuel nozzles.				
3) Installed new induction air filter.				
4) Chkd A/Rs - see airframe log.				
				I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in a airworthy condition. Total time 42.1. Spent 12/12/95 Repair order no. 16870
				<u>Robert Hynes</u> CRS DEC1530 Authorized Signature DECATUR AVIATION INC., Decatur, IL
12/13/96 Tach: 4681.3 CLW Annual Insp. per Cessna Form for HPSE aircraft.				
ENGINE - Drained oil, cleaned screens, changed oil filter, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and alternator/generator brushes, checked mags and timed properly, checked prop for leaks, grease, dome pressure inspect exhaust system. Functionally checked engine.				COMPRESSION CHECK #1 66 #4 R&R #2 66 #5 66 #3 64 #6 64
Eng. using Phillips 20W-50				
1) Replaced #4 cyl. w/ Valve Assy. from AERO Aviation. Cyl. included rings, gaskets & seals & installed per Cont. Ser. Man.				
2) Installed 14 Turbocharger & new SCID exhaust system - see airframe log for details.				
3) Installed all new eng. oil & fuel hoses - kit from AERO Av.				
4) Installed all new eng. Barry Mounts.				
5) Replaced 2 broken exhaust studs #5 & 6.				
6) Chkd & R&W engine AD - see airframe log.				
SUB-TOTALS page 12/12				Repair order no. 1728
TOTALS—Carry forward to next page				<u>Robert Hynes</u> CRS DEC Authorized Signature DECATUR AVIATION INC., Decatur, IL

~~4~~

MFR. NAME: CONTINENTAL
UNIT: CYLINDER
MODEL: CERMINIL
SERIAL NO.: 78283-54983-81
PART NO.: CLASS 71-1D

The aircraft/component identified below was overhauled and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the overhaul are on file at this repair station under the work order shown below.

WORK ORDER NO.: 35938
DATE: 11/14/96
SIGNED: [Signature]



3701 Highway 162
Granite City, IL 62040
Phone: 618-797-6630
FAX 618-931-0190
800-362-3044

CERTIFIED REPAIR
NO: SA2R154L

Carry forward to next page

[Signature]
Authorized Signature

DECATUR AVIATION INC., Decatur, IL

CRS DECRI53D

LABOR DESCRIPTION	QUANT	DATE
1 Cleaning Beadblast		
2 Paint Cylinder		
3 Alodine Cylinder Head		
4 Barrel & Head Inspection		
5 Hone For Ring Finish		
6 Install Valve Seat		
7 Reface Valve		
8 Reface Valve Seats		
9 Inst. & Ream Valve Guide		
10 Inst. New Rckr Shaft Bush		
11 Mach. Exhaust Port Flange		
12 R & I Studs		
13 R & I Rosan Studs		
14 Cylinder Assy. Only		
15 Cylinder Assy. & Fit Rings	1	11/14
16 Cylinder Parts Cleaning		
17 Clean Piston		
18 Grind Barrel Oversize		
19 Chrome Barrel		
20 STD. Weld		

Item: Cylinder Stud Assembly ECI Class No. 71-1
Work Order No. 54983 Serial No. 81
Part No. 635448 CN

Item has been repaired by FAA approved process as follows:

☒ Cerminil™ process (EC 93-10-1) ☐ Channelcromium® process (CPI-35)

☐ Cermicrome® process (AE87-1) ☒ IFR (EC9001-2)

☐ Cermisteel™ process (EC 88-11-1) ☒ Weld (ECI-EF1)

☐ New Barrel Per: ☐ EC 85-6 (Lyc) ☐ EC 88-05 (Contl)

☐ Flange Corner Stud Mod. Per Dwg. AEC631397

Complied with: ☐ TCM SB-M92-6 ☒ TCM SB-85-9

☒ TCM SB M91-7 ☐ AD 94-05-05

☒ Replacement parts per FAA approved applications listing:

Inspector: Ja Dequina 10-18-96

For product definition Refer to ECI's FAA approved Class Reference Manual.

EC 123 (02-96)

Trademark License

Double Silver Bands™

Purchaser is hereby granted a one-time exclusive license to paint the

Double Silver Bands™ trademark of Engine Components, Inc. on the
cylinder assembly which has been processed under
EC Work Order # 54983-81

ANY USE OTHER THAN AS GRANTED HEREIN IS PROHIBITED.

For further information regarding this license, contact Customer Service at
1 (800)ECI-2FLY(324-2359).

CermiNil & Double Silver Bands are trademarks of Engine Components, Inc.

Maintenance Release

The component identified on this tag was repaired and inspected in accordance with current instructions contained in A.E.R.O. Aviation Company's repair manuals, the maintenance rules of the Federal Aviation Regulations under which this repair station is certificated and is approved for return to service as per those requirements.

SIGNED  FOR

DATE 12/2/94

W/O 29038



3701 Highway 162
Granite City, IL 62040

Phone: 618-797-6630
Fax: 618-931-0190
800-362-3044

**FAA CERTIFIED REPAIR
STATION NO: SA2R154L**

NOTE: A NI-RESIST GUIDE IS INSTALLED
IN THIS CYLINDER. EXHAUST VALVE 626540
IS NOT COMPATIBLE WITH THIS GUIDE.

A01001

2 eng fuel pump / 1 take-off for
mixture per Cecina
2nd micro switch
ear warning micro switches.

DECATUR AVIATION INC.

CRS DEC1530

Decatur, IL 62521

TACH: 4470 HOBBS: 2157 *R&R RH MAGNETO WITH NEW
LLED REMOTE OIL FILTER

21007

FAA/PMA APPROVED

THIS MAGNETO WAS MANUFACTURED FROM ALL NEW COMPONENTS IN ACCORDANCE WITH FAR 21.303h UNDER AUTHORITY OF MMF3226 AND IS AIRWORTHY. THIS MAGNETO IS FAA/PMA APPROVED FOR APPLICATIONS LISTED IN SLICK AIRCRAFT PRODUCTS FORMS L-1058 AND F-1100.

FAA
ALS thi

ENTER MAGNETO MODEL, SERIAL NUMBER AND DATE OF INSTALLATION AND ATTACH THIS TAG TO ENGINE LOGBOOK.

MAGNETO MODEL NO.

6320

MAGNETO SERIAL NO.

94040031

DATE OF INSTALLATION

10-21-94

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
11-30-93		TACH	4385.8	TOTALS brought forward from previous page
		HOBBS	2664.8	
				Completed 100 HR INSPECTION 1/16/94 CASSNA INSPECTION GUIDE DRAIN OIL, Replace FILTER, SERVICE ENGINE with AeroShell 15W50. DIFFERENTIAL/COMPRESSION CHECK CHECK AIR FILTER AND EXHAUST SYSTEM. AD 93-8-17 ON THIS ENGINE (RETAINS TO TCU OVERHAUL OR REMAN) THIS ENGINE HAS BEEN INSPECTED 1/16/94 THE REQUIREMENTS OF A 100 HR INSPECTION, AND FOUND TO BE AIRWORTHY J. B. [Signature] AP 362 286320 FA
9/7/94	Tach: 4453.8	Chg oil & Filter. Eng.		This aircraft is airworthy with respect to work performed and is approved for return to service. Date 9/7/94 Time - 101645 for [Signature] DECATUR AVIATION INC. CRS DEC1530 Decatur, IL 62521
		using AeroShell 15W50. Washed eng - run up - ck'd for leaks. Chkd eng fuel pump pressures & adjusted idle mixture per Cassna Ser. Manual. Installed new micro switch actuator for fuel pump / gear warning micro switches.		
*N210DF CONT TS10-520-CC S/N:178112-R TACH:4470 HOBBS:2157 *R&R RH MAGNETO WITH NEW MAGNETO MODEL 6320 S/N:94040031 *INSTALLED REMOTE OIL FILTER KIT AFC-K008 STC.SA00079NY SEE FAA 337 DATED 10/20/94. NOTE: OIL FILTER AFC600B MUST BE USED WHEN OIL FILTER CHANGED *R&R POINTS P/N:M3081 AND CONDENSOR P/N:M3183 IN LH MAGNETO				
The aircraft/component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station.				
SIGNED [Signature] W.O.# 4406 DATE 10-21-94 CLARK AVIATION INC. Bloomington-Normal Airport Bloomington, IL 61704 FAA Approved Repair Station BNGR539C				

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				Compression check #1 76/80 #2 80/80 #3 80/80 #4 76/80 #5 80/80 #6 76/80
				Replace left Hand Exhaust Section P/N 1250960-203R Tty Attached
				Replace (3) Hoses Left Hand Exhaust Rizer and Clamps P/N 1250960-100 Riser and 1250960-29 CLAMPS
				Cleaned + Graped and Polated Spark Plugs Adjusted unmetered Fuel Pressure with use of Porta Test Equipment
				I certify that this Engine has been inspected in accordance with a [unclear] inspection, and was determined to be in airworthy condition.
Date				[Signature]
Name				[Signature]
Number				AIP 373402480
5/21/93	4358.4	TACK TIME		CHANGED OIL + FILTER APT 15W50 AEROSHELL OIL ADDED ENG RUNUP + NO LEAKS FOUND John C Wright AIP 3332C2528
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

WALL COLMONOY CORPORATION
4700 S.E. 59th ST. — OKLAHOMA CITY, OKLA.
SERVICEABLE PART TAG

P.O. NO. _____ SER. NO. WCC - 0 - 2 - 3526

MODEL _____ PART NO. 1250860 - 203R

PART NAME STACK

REMARKS I/A/W PS 252A

DATE NOV 12 1992 INSPECTOR _____



SIGMA-TEK

WARRANTY REGISTRATION

Equipment Data

Retain with unit

COMPLETE REVERSE SIDE AND
RETURN WITH UNIT WHEN REQUESTING
WARRANTY CONSIDERATION.

Product DRY AIR PUMP	Model No. 1U1285	Shelf Life 36 MONTHS
Part No. 1U128-005	Serial No. T11171C	Warranty 3 YRS/700 HRS
Factory Ship Date 01/31/90	Distributor SKYWARD COMPANY	
Distributor Ship Date	Dealer Ceci's Engine Service	

Installation Data

Installation Date Feb 92	Warranty <input type="checkbox"/> YES	Replacement? <input checked="" type="checkbox"/> NO If yes, this unit replaced S/N.
Aircraft Hours 4189.7 Tack Time	Owners Name & Address Aero Anesthesia	T716K
Aircraft Model T210 J S/N T2100397	1817 Bently Mich 48346	
Aircraft Registration No. N210 DF		

Mar 92	Tack Time	4218.0	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
25 Nov 91	4154.0	Tack Time		
	2475.15	TT Engine		
	21.4	SMON		
				Engine oil Changed 12qt Amoshell 15W50, 1-CN48103 Filter Installed
				Compression Check #1- 80/80 #2- 80/80 #3- 78/80
				#4- 79/80 #5- 80/80 #6- 79/80
				Engine Exhaust System Inspected For CRACKS By Pressurizing Exhaust System, None Found
				Engine Controls Inspected For Travel and Hooked
				Engine Run up For heat and operation all Check
				I certify that <u>This Engine</u> has been inspected in accordance with a <u>100 hour</u> inspection, and was determined to be in airworthy condition.
				Date <u>25 Nov 91</u>
				Name <u>Paul A. Conroy</u>
				Number <u>ATP 7134Q 8980</u>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N210DF

Engine Manufacturer Continental

Model T510 520 ~~800~~

Serial No. ~~178112 R~~

Date installed on aircraft _____

Time Between Overhauls (TBO) _____

SN is
512156

If used on multi-engine

☐ Right

☐ Left

☐ Front

☐ Rear



**AERO
TECH PUBLICATIONS INC.**

P.O. BOX 6005/FREEHOLD, N.J. 07728
(908) 462-5330

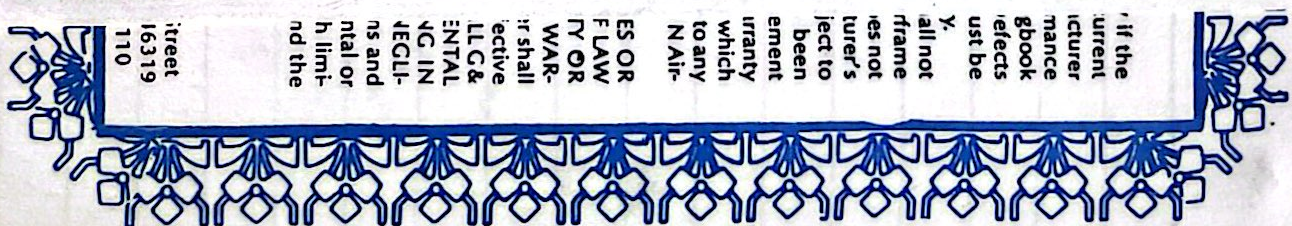
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06/12/97 10:52:31

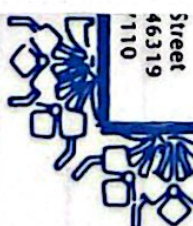
PARTS LIST FOR TSIO520CCH ENGINE WO# 9752453

PAGE 1

Item Num.	Item Description	Quantity	Work Order Number
	*Part Holder *	1	9752453
AN121501	Nut	1	9752453
AN503-8-12	Screw	4	9752453
AN912-3	Reducer	1	9752453
AN960-8	Washer	4	9752453
CRANK-520-R	Crankshaft-reconditioned	1	9752453
EQ6946	Cyls & piston pin kit	1	9752453
J2005-2	Lord Mount	1	9752453
J9534-20	Bushing-Mount	2	9752453
K3303	Bearing	1	9752453
K3307	Magneto Kit	1	9752453
K3823	Dist block & gear assy	2	9752453
K3984	Capactior	1	9752453
LW15592-5-05	Clamp	2	9752453
LW16266-10-13	Clamp **	6	9752453
MS16626-3078	Ring	1	9752453
MS24665-229	Pin **	12	9752453
MS24665-302	Cotter Pin	2	9752453
MS29513-011	O Ring **	12	9752453
MS35338-42	Washer	4	9752453
MS35756-6	Key **	1	9752453
MS35756-8	Key **	3	9752453
M2536	Woodruff Key	2	9752453
M2540	Cotter Pin	2	9752453
M2779	Harness	1	9752453
M3006	Bearing	3	9752453
M3050	Impulse Coupling	2	9752453
M3062	Seal	2	9752453
M3081	Contact Point Kit	2	9752453
M3221-10	Screw	4	9752453
M3485	Bearing Cap(new # K3485)	1	9752453
M3828	Gear	2	9752453
RHB32E	Spark Plug 1182U5 **	12	9752453
SA632443-4	Nut **	2	9752453
STD860	Screw **	6	9752453
X13041	Adapter Bearing **	1	9752453



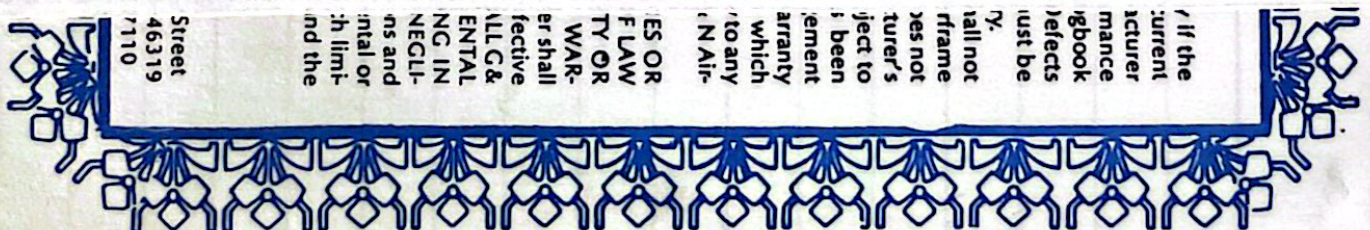
Item Num.	Item Description		Quantity	Work Order Number
X1454	Washer	**	1	9752453
13XX299	Washer		1	9752453
20240-ICF	Hydraulic pump reconditioned		1	9752453
20522	Washer		1	9752453
22661	Nut	**	1	9752453
350998	Bushing	**	8	9752453
400207-8	O-Ring		1	9752453
400208-7	O-Ring		1	9752453
403069-29	O-Ring		1	9752453
406610-9005	Turbocharger exch.		1	9752453
476122	Gasket		1	9752453
476773	Gasket		1	9752453
501867	Washer	**	1	9752453
501867	Washer	**	3	9752453
521824	Ring		1	9752453
530658	Bushing	**	6	9752453
534685	Adapter Bearing	**	1	9752453
535823	Gasket	**	1	9752453
536379	Screw	**	6	9752453
536563	Dowel		1	9752453
537721	Bearing	**	1	9752453
538600-1	Seal		2	9752453
538600-3	Washer		1	9752453
539058	Washer	**	16	9752453
539942	Screw		2	9752453
625293	Bushing		2	9752453
625327-1	Washer		1	9752453
625327-2	Washer		2	9752453
625457	Washer		4	9752453
625492	Spring		2	9752453
625952	Pin		1	9752453
626536	Diaphragm		1	9752453
626813	Pin		2	9752453
626813-1	Pin		1	9752453
626879-1	Grommet		3	9752453
628109	Nut	**	12	9752453



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Item Num.	Item Description	Quantity	Work Order Number
628249-7	Ball Bearing	1	9752453
628311	Spring	1	9752453
628556	Washer	6	9752453
629104	Ring **	16	9752453
629163-5	Clamp	2	9752453
629340	Bolt **	12	9752453
629353	Bushing **	2	9752453
630167	Spring	1	9752453
630184	Spring	1	9752453
630826M010	Bearing	12	9752453
630979	O Ring	2	9752453
630979-14	O Ring	1	9752453
630979-20	O Ring	2	9752453
630979-9	O Ring **	12	9752453
630979-9	O Ring **	12	9752453
631266-1	Clamp **	1	9752453
631282	Plunger VLV	1	9752453
631330	Seal	1	9752453
631331	Spring	1	9752453
631683	Coupling	1	9752453
631883	Screw	1	9752453
631928	Hose **	1	9752453
632394	Retainer	1	9752453
632555-65	Leveller	1	9752453
632762	Nut **	1	9752453
633958-3	Seal **	8	9752453
633958-5	Seal **	2	9752453
634150	Spring **	1	9752453
634619	Needle	1	9752453
635549	Blade	2	9752453
635835-1	Washer	2	9752453
638172	Magneto Coupling **	4	9752453
639193	Bushing **	16	9752453
639482	Gasket	1	9752453
639484	Seal DO NOT ORDER	1	9752453
641250	Seal **	1	9752453



Item Num.	Item Description		Quantity	Work Order Number
641368	Bearing	**	1	9752453
642335A1	Kit	**	1	9752453
642644	Diaphragm		1	9752453
642917-1	Hose	**	10	9752453
643109	Spring		1	9752453
643626-101	Pin	**	4	9752453
643626-103	Pin	**	2	9752453
643626-104	Pin	**	2	9752453
643629	Plate	**	16	9752453
643746	Tube		1	9752453
643943	Heatshield		2	9752453
646328	Seal		1	9752453
646448-1	Washer		8	9752453
646483	Screw	**	4	9752453
646548A1	Gasket Set	**	1	9752453
646589A1M010	Bearing Kit		1	9752453
646605	Nut (Fuel Use Only)		1	9752453
646665	Gasket DO NOT ORDER		1	9752453
649198	Seal		1	9752453
652082	Gasket		1	9752453
652090	Gasket		1	9752453
652106	Gasket		1	9752453
652129	Rocker Bushing	**	12	9752453
652451-8P030	Pushrod		2	9752453
653052	Camshaft exch.		1	9752453
653631-S	Crankshaft Gear - Serviceable		1	9752453
653877	Hyd lifter		6	9752453
653888	Hydraulic Lifter	**	6	9752453

* * * E N D O F R E P O R T * * *



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RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits

Engine disassembled, cleaned, inspected and reassembled in accordance with manufacturer's overhaul instructions. All steel parts magnafluxed. Engine test run in F.A.A. approved test cell. All applicable Airworthiness Directives and Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 9752453

DATED 6/11/97

MFG. Continental

MODEL TS10-520-CCH

Serial No. 178112-R

Time in svc. _____



G & N AIRCRAFT, INC.

1701 East Main St., Griffith, IN 46319
Telephone: (219) 924-7110

Authorized Signature

C.R.S. #MW 2R020L

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

The Accessories Listed Below Were Overhauled and Supplied With This Engine

ENGINE	<u>TS10-520-CCH</u>	SN	<u>178112-R</u>	DATE	<u>6/11/97</u>
	P/N	S/N	P/N	S/N	
MAG.	<u>6220</u>	<u>88090013</u>	PROPELLER	<u>NONE</u>	
MAG.	<u>6320</u>	<u>94040031</u>	PROP.GOV.	<u>NONE</u>	
ALT./GEN.	<u>NONE</u>		TACH.GEN.	<u>NONE</u>	
INJ./CARB.	<u>629703-8</u>	<u>M11084</u>	TURBO CHARGER	<u>406610-9005</u>	<u>ZK001759</u>
FUEL PUMP	<u>646768-2</u>	<u>I109313BR</u>	WASTE GATE	<u>470908-9011</u>	<u>00821</u>
STARTER	<u>646238</u>	<u>L-039029</u>	CONTROLLER	<u>470688-5</u>	<u>01712</u>
VAC.PUMP	<u>NONE</u>		CONTROLLER	<u>NONE</u>	
DIS. VALVE	<u>631351-A19</u>	<u>9765</u>	REL.VALVE	<u>NONE</u>	



G & N AIRCRAFT, INC.

1701 East Main St., Griffith, IN 46319
Telephone: (219) 924-7110

W.O. # 9752453

[Signature]
Authorized Signature

[Signature]
C.R.S. #MW 2R020L

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19____				

AIRWORTHINESS DIRECTIVE

At date of engine overhaul 6/11/97

Engine model: TSIO-520-CCH

Authorized Signature *[Signature]*

AD & REV#	REV DATE	APPL/C. SB#	ONE TIME	RECURRING
74-18-05		1-71	X	
75-09-13		----		
77-13-22 R	7/22/77	M77-14		X
79-05-09		M79-2 & R.1	X	
80-01-04		-----		
80-06-05		-----	X	
81-16-05		1-81	X	
81-24-06		M80-26 & R.1		
86-13-04 R3	2/24/88	M86-7 & M87-19		

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19____				

COMPLIANCE RECORD

S/N 178112-R W/O 9752453

C/W complied with, P/C/W previously complied with, N/A not applicable.

CRS MW2R020L

NEXT COMPLIANCE HRS. & DATE

METHOD OF COMPLIANCE

	N/A by P/N
	new turbo
every 100 hours	C/W new style case
	C/W new style installed
	N/A by P/N
	N/A by S/N
	N/A by S/N
	N/A by S/N
	N/A by P/N

DATE 19____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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AIRWORTHINESS DIRECTIVE

At date of engine overhaul 6/11/97

Engine model: TS10-520-CCH

Authorized Signature _____

AD & REV#	REV DATE	APPLIC. \$B#	ONE TIME	RECURRING
87-23-08		MSB96-10		
88-03-06		M88-4	X	
91-19-03		M90-14	X	
93-10-02		MSB93-12	X	
END-----				

DATE 19____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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COMPLIANCE RECORD

S/N 178112-R W/O 9752453

C/W complied with, P/C/W previously complied with, N/A not applicable.

CRS MW2R020L

NEXT COMPLIANCE HRS. & DATE

METHOD OF COMPLIANCE

	C/W inspection
	C/W correct filters
	C/W correct filter
	N/a by purchase date
END-----	



TELEDYNE CONTINENTAL MOTORS

Aircraft Products

FORM NO.
MMF-001
FEB. 1992

MMF SERVICEABLE PART

ITEM NAME Cylinders PART NUMBER 654652

MFG. NAME TCM S/N 178112 QUANTITY 6

MODEL TS10520C INSPECTED BY TM

DATE 7/15/97 REMARKS c/w CSB 97-10A

MANUFACTURERS MAINTENANCE FACILITY No. 322-10
P. O. BOX 90, MOBILE, ALA. 36601 — (205) 438-3411

19 8-1-97	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			Ø	Removed Cylinder Assy AND sent to TCM for O/W SB 97-10 Reinstalled on eng per M/M - END Steven S. Boyce ACP 473608715
8-10-97	4697.8			INSTALLED ENGINE S/N 178112 ON ACFT N210DF, S/N T210-0397 I.A.W M.M. 210 SERIO All OIL HOSES FLUSHED AND INSPECTED. INTERCOOLER FLUSHED AND INSTALLED. IN STALLED: TURBO I.A.W M.M. SERVICED ENGINE OIL SYSTEM WITH 12 QTS 50W MINERAL OIL. OIL FILTER REMOVED AND REPLACED. OLD ELEMENT OPENED & INSPE NO DEFECT NOTED. ENGINE OPS CHECKED AND LEAK CHECKED OK James Philip

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-21-97	4697.8			<p>C/W 100 HOUR INSPECTION I.A.W. CHECK LIST. NO DEFECT NOTED — LK & OPS CK'D GOOD. Date <u>AUG 21, 1997</u> Time <u>4697.8</u> I certify...</p> <p><u>ENGINE</u> has been inspected in accordance with a <u>100 HOUR</u> inspection and was determined to be in airworthy condition. Signature <u>Charles Philip</u> No. <u>ASP 576328597</u> <u>850-785-0171</u> Larry</p>
10/9/97	Tach: 4702.2			<p>Chg oil & filter. Eng. using Phillips 20W-50. Washed eng - run up - ck'd for leak. Removed starter motor - ck'd by GND - reinstalled same. Ops ck'd OK.</p>
				<p>This aircraft is airworthy with respect to work performed and is approved for return to service. Date <u>10/9</u> Time <u>---</u> WO <u>17609</u> <u>[Signature]</u> for DECATUR AVIATION INC. CRS DECR163D Decatur, IL 62521</p>

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TE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>I certify that this <u>engine</u> has been inspected in accordance with a <u>annual</u> inspection and was determined to be in a <u>airworthy</u> condition. Total time <u>71.6 smth</u></p> <p>Date <u>9/18/98</u> Repair order no. <u>17904</u></p> <p><u>[Signature]</u> CRS DEC1530</p> <p>Authorized Signature DECATUR AVIATION INC., Decatur, IL</p>
1/4/98	4806.5			<p>compression results #1) 75/80, 2) 78/80, 3) 75/80, 4) 73/80, 5) 75/80, 6) 75/80. Drained oil. Removed, inspected + replaced oil filter. Found no metal. Added 12 qts. Aeroshell W100, 50wt. AD oil. Checked ignition timing to engine, checked plugs. Retorqued exhaust to cyl. heads.</p> <p><u>[Signature]</u> AP490825138IA.</p>

