

817 E4

3

ENGINE LOG
EF5-1

ENGINE DESCRIPTION

MANUFACTURER Continental MODEL TS10-520-C

SERIAL NUMBER 140211-6-C DATE OF MANUFACTURE 04-05-88 C/A

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

INSTALLATION RECORD

AIRPLANE	LOCATION	DATE INSTALLED	TOTAL HOURS AT INSTALLATION	DATE REMOVED	TOTAL HOURS AT REMOVAL	AGENCY CERT. NO.

3-29-88

COASTAL AIR ENGINE SERVICE, INC. OF N.C.

Engine Model # TS10-520-C Serial # 140211-6-C 04-08-88
 Engine was removed from aircraft for major overhaul.
 Engine was disassembled, cleaned, and inspected. All
 steel parts were magnaflexed, all non-ferros metals were
 zyglo inspected. All cylinders were honed installed all
 new pistons, all new rings, all new exhaust valves, re-
 conditioned intake valves, new valves springs, and keep-
 ers. Seats and guides were cut or replaced as needed.
 Crankcase was assembled using all main bearings, all new
 rod bearing, all new seals, gaskets clamps rubbers, and
 hoses. Camshaft was reground, lifters were installed new.
 Starter, alternator and mags were checked and repaired as
 needed. Harness was replaced new, spark plugs were re-
 conditioned. Engine was testrun and found to be airworthy
 this date.

Floyd T. Harris
 A&P # 251134685

Floyd Harris

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/1/88	30 Hrs	Since Major Overhaul. Tach time 2850.7 HRS Changed oil Filled to 12 Qts Aeroshell 100-50 wt Non detergent oil. installed new Champion Ch 48110. Cleaned gapped & Tested Spark plugs. Performed Compression test. #1 $\frac{68}{80}$ #2 $\frac{70}{80}$ #3 $\frac{20}{80}$ #4 $\frac{11}{80}$ #5 $\frac{68}{80}$ #6 $\frac{67}{80}$. Checked Magnets L & R. Removed Propeller Spinner & checked for Cracks & Leaks. Complied with AD Note 71-09-07 by inspection of exhaust Muffler by pressurizing System with Air & checking for leaks with Soapy Solution. Washed down engine & bottom of Fuselage Ran up Engine. Serviced Propeller, Battery. Performed Landing Gear retraction test.
Every 50 HRS		AD Note 71-09-07 C/w inspection of muffler, pressurized & checked with Soap Solution.
Every 100 HRS		AD Note 71-24-04 C/w insp of flexible hoses Every 100 HRS. AD 77-13-22 C/w insp of Cases for nuts.
		AD Note 86-24-07 C/w Engine Power Loss. Replaced bolts with drilled bolts & cast related nuts.
		AD Note 86-19-11 C/w Engine Power Reduction - Fuel Contamination by inspection.
I Certify That This Engine has been inspected in accordance with a 100 Hr inspection & was determined to be in <u>airworthy</u> Condition. Brent P. Munoz ADP 1725627		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
JAN 25 1990	Tach time - 3015.6 HRS	
<p>Performed Compression Test #1 ⁶⁷/₈₀ #2 ⁶⁹/₈₀ #3 ⁷⁰/₈₀ #4 ⁷¹/₈₀ #5 ⁶⁸/₈₀ #6 ⁶⁷/₈₀.</p>		
<p>Changed oil, Filled 101 2 QTS Qeroshell 100-50 WT OIL. Installed new</p>		
<p>Champion ch 48110 OIL FILTER. Cleaned gapped & Tested Spark Plugs.</p>		
<p>Checked LT & RT Magnetos. Removed Propeller Spinner & checked for Cracks</p>		
<p>and leaks. Complied with AD Note 71-09-07. by inspection of exhaust</p>		
<p>Muffler by pressurizing System with air & checking for leaks with Soapy</p>		
<p>Solution. Inspected Cases for Cracks. To Comply with AD Note 77-13-22.</p>		
<p>AD Note 86-19-1 CW Engine Power Reduction - Fuel Contamination by inspection.</p>		
<p>Performed Landing Gear retraction Test. Washed down Engine</p>		
<p>& ran up Engine. Serviced with Hydraulic fluid, Brakes & Landing Gear</p>		
<p>reservoir. Removed Landing Gear Wheels Greased all Bearings.</p>		
<p>AD Note - 71-29-04 CW inspection of Muffler Flexible Hoses. Every 100 HRS</p>		
<p>install 8 Brake Linings (LT & RT Brakes)</p>		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3/28/91	TACH 3232.55 SMOH 412.47	ANNUAL INSPECTION COMPLETED PER FAR 43 APPENDIX "D". COMPRESSION ① 62/80 ② 62/80 ③ 68/80 ④ 63/80 ⑤ 62/80 ⑥ 10/80. REMOVED & REPLACED #6 CYLINDER WITH CERMICHRON ASSY. OVERHAULED BY ESTERGARD AVIATION, CHANDLER ARIZONA. REPLACED EXHAUST GASKETS #1, #4, #6 CYLINDERS. CHANGED OIL (12) QTS AEROSHELL 100-50 COMPOUNDED, CHAMP FS48110 OIL FILTER, BRACKETT BA2405 AIR INDUCTION FILTER. TIMED MAGNETOS, CLEANED & ROTATED ^{REPLACED} SPARK PLUGS, REPAIRED BAFFLING AT R/H SIDE & AIR INDUCTION SCOOP. EXHAUST PIPE HEAT SHIELD AT FRONT OF OIL PAN. REPLACED 3" DIA. SCAT HOSE AT CABIN HEAT INLET TO NOSE COWLING. SEE BACK COVER FOR A.D. NOTES. COMPLIED WITH THIS DATE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE AIRWORTHY.
		<i>Doyle Leonard</i> AEP 531327389-FA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/10/91	TACH 3301.0	REPLACED CRANKSHAFT SEAL. REPAIRED BROKEN DRAIN L/H SIDE OF INTAKE MANIFOLD (REAR). CHANGED OIL (10 QTS) ARROSHELL 50, 548110 OIL FILTER, ADJUSTED IDLE, CHECKED ENGINE COMPRESSION (ALL ABOVE 69/80), ADJUSTED MIXTURE CONTROL PER SVC. MANUAL. <i>Angel Lassus</i> A#PS31327389
1-8-93	TACH 3399	Install temporary patch on fwd. exhaust cross over. This patch is installed only for the purpose of a ferry flight in accordance with special flight permit dated 1-15-93. <i>Frank [Signature]</i> 2307335 A
3-5-93	TACH TIME 3399	Install fwd. exhaust cross over after repair by Burn-A-Rod R-5# H42R570L. See work order # 7060 DATED 3-2-93. <i>Frank [Signature]</i> 2307335 A#

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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CHANDLER AVIATION INC.

REG. NO. <u>N-817EJ</u>	Chandler Municipal	DATE <u>March 18, 1993</u>
MODEL <u>t210 H</u>	Chandler, AZ	W.O.# <u>4407</u>
S/N <u>210H0350</u>	(602) 732-9118	HOBBS <u>xxxxx</u>
ENG. MOD. <u>TS10-520C</u>		TACH <u>3399</u>
ENG. S/N <u>140211-6-C</u>		TOTAL <u>SMOH 579</u>

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

DATE 3-18-93 SIGNATURE *Rudolph Nass* AUTHORIZED NO. 523364776A&P

drained oil, serviced with 12qts. A/S 50wt. non-detergent oil. installed new oil filter, checked & cleaned fuel screens, cleaned fuel injectors, cleaned, gaped & tested spark plugs, checked mag timing, top overhauled all cylinders, one O/H Nu Chrome cylinder, see yellow tag dated 1-8-93. Installed new rings, intake & exhaust valves, valve springs, keepers, all new seals and gaskets, new intake hoses, new exhaust clamps, wastegate O/H, see yellow tag dated 3-10-93, installed all new engine lord mounts, installed new gaskets on prop governor & oil cooler, new exhaust riser on #2 cylinder, Installed new induction air filter, washed engine, ground run & leak checked.

I certify that this engine has been inspected in accordance with a 100hr. inspection and was determined to be in airworthy condition. END

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INSPECTION & MAINTENANCE RECORD

DATE

MODEL T210H
 S/N T210-0350
 REG # N817EJ
 ENG MOD TS10-520-C
 ENG S/N 140200-6-C

CUTTER AVIATION, INC.

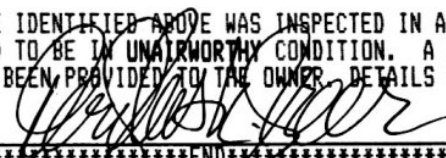
Sky Harbor Airport
 Phoenix, Arizona
 602-273-1237

FAA Approved Repair Station No. EK6R571D

W.O. # J2910
 TACH TIME 3489.8
 ENGINE TSN 3245.7
 ENGINE TSO 669.7

Completed annual inspection in accordance with Cessna maintenance manual p/n D606-1-13; compression check #1 65/80 #2 62/80 #3 68/80 #4 66/80 #5 60/80 #6 70/80; changed oil and filter, serviced with Aeroshell w100; oil sample taken for analysis; oil filter cut open and inspected;

I CERTIFY THAT THE ENGINE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN UNAIRWORTHY CONDITION. A LIST OF DISCREPANCIES AND UNAIRWORTHY ITEMS HAS BEEN PROVIDED TO THE OWNER. DETAILS ON FILE AT THIS AGENCY.

DATE 03/07/97 SIGNED 

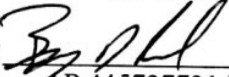
*****END*****

JAN 21, 00 @ 3495 TS10 520 C 140211-6-6
 TS MOD 675 Compression checked @/60
 @/64 @/62 @/64 @/60 @/66 Change Oil & Filter
 Inspected filter for metal (None Noted)
 Replace both cow
 flap mounts, 14297-4
 Replaced seat ducting.
 → OVER

I certify that this ENGINE has been inspected in accordance with a Annual inspection and was determined to be in Unairworthy condition.

Gary C. Sipes
 Gary C. Sipes AP408190/17 IA
 Sipes Aircraft • Tulsa, OK

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.		
6/1/01		ACTT: 3499.17 TACH: 3499.17 ETT: 3255.0	N817EJ TSMOH: 679.0	ENGINE 140211-6-C
		<ol style="list-style-type: none"> 1. C/W Annual inspection. 2. Installed all 6 repaired cylinders. repaired by Dietlin Aircraft. 3. Installed new spark plug lead on #1 bottom. 4. Installed overhauled engine driven fuel pump. 5. All AD's checked thru bi-weekly 2001-12 		
		I certify that this Engine has been inspected IAW M/M and was found to be in an airworthy condition.		
		Signature: <u></u>		
		Certificate: <u>AP 445727731 IA</u>		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/5/02	3562.5	Installed Hydraulic pump P/N 1280103-4 S/N 22481 After overhaul by West Star Aviation. Leak check good. Dana Brewer 507646159IA
3/3/03	3590.1	DRAINED oil, Inspect/Replaced filter CH48110 AND serviced with Aeroshell 15W50. C/W AD 71-09-07 Exhaust Heat Exchanger by Inspection. Dana Brewer 507646159IA

N817EJ Date: 6-12-2003 Tach: 3615.5 TSO: 795.3 TTE: 3371.3
 Performed annual inspection per Cessna Service Manual and FAR 43 Appendix D. cleaned, gapped and rotated sparkplugs, Compression /80: 1-61; 2-56; 3-66; 4-66; 5-56; 6-xx, removed #6 cylinder and lapped valves, re-installed with new seals and gaskets, Checked and lubricated controls, C/W AD 86-19-11 Fuel System by pressure test, C/W AD 77-13-22 Engine Case by inspection, C/W AD 71-09-07 R1 Exhaust Heat Exchanger by visual and low pressure inspections, Performed run-up and leak checks ok, I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time and is approve for return to service.

Dana Brewer 507646159IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2/12/04	3680.2	<p>Changed oil & filter CH48110 and Aeroshell 15W50, adjusted alternator belt tension, Dana Brewer 507646159IA</p>
<p>N817EJ Date: 7-1-2004 Tach: 3690.0 TTE: 3445.8 TSO: 869.8 Installed this engine onto N817EJ T210H s/n T210-350 after repair by Aircraft Cylinders and engines, Engine case was cracked at thrust bearing, Serviced with Aeroshell 100ND, Performed engine run and leak checks good. Airworthiness Directives current thru 04-15, I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. Dana Brewer 507646159IA</p>		
4/5/05	3740.2	<p>Changed oil and filter CH48110 Serviced with Aeroshell 15W50. Installed Reiff Engine Pre-heater system IAW Reiff instructions Dana Brewer 507646159IA</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
N817EJ	Date: 8/19/2005	Tach: 3752.9 TTE: 3508.7 TSO: 932.7 Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, and Cessna Service Manual. Installed 6 overhauled cylinders P/N CL-71.1A with new gaskets and seals per TCM Overhaul Manual, Replaced spark plugs P/N RHB32E Complied with A.D. 77-13-22 Crankcase Inspection Crack Criteria by visual inspection. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. <i>Dana Brewer 507646159TA</i>
N817EJ	Date: 10/25/2005	Tach: 3782.0 Drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48110-1 and serviced engine with Aeroshell 15W50. Complied with A.D. 96-12-22 Oil Filter Adapter by visual inspection. Replaced o-ring at dip stick P/N MS29561-010 <i>Dana Brewer 507646159TK</i>

458 SERVICEABLE

Oct 17 12 03:21p

Joseph Folchert

970-350-0541

549.0 SOH

DATE: 7-11-04

TACH: 3690.

MODEL: TSIO-520-C

SERIAL: 140211-6-C

N817EJ

This engine was Repaired this date in accordance with TCM Parts Manual X30579A and Overhaul Manual X30575A. New TCM Crankshaft 649134, Serial #N04CA127 installed, see release form. Camshaft and Lifter Bodies reinstalled as received. Crankcase Exchanged. All Internal steel inspected. Engine reassembled using new parts as follows: 1 each 641250 Crank Seal; 1 each 646591A1 Main Bearing Set; 12 each 630826 Rod Bearings; 12 each 655958 Rod Bolts; 12 each 654490 Rod Nuts; 1 each 646548A1 Major Gasket Set; 6 each 536379 Crank Gear Bolts; 4 each 654589 Cam Gear Bolts; 4 each 638172 Magneto Drive Rubbers. All Gaskets, Safeties and Seals replaced as required. Engine Service with 12 quarts of Aeroshell 100M and tested in accordance with TCM Overhaul Manual X30575A and is approved for return to service. For details concerning this repair, please refer to WO# 2971 on file at this Repair / Overhaul Facility. Maintenance Release Tags supplied with this Logbook Entry. -----END-----

J. F. Folchert

A&P 2699458

J.F. Folchert

FOR

Aircraft Cylinders & Engines, Inc.

516 North Link Lane, Unit #1

Fort Collins, CO 80524

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>N817EJ Date: 9/12/2006 Tach: 3801.7 TTE: 3557.5 TSO: 981.5</p> <p>Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, and Cessna Service Manual. Performed compression test @80 PSI: #1-76; #2-76; #3-75; #4-76; #5-76; #6-76. Cleaned, gapped and rotated spark plugs resealed #3 nozzle. Removed Magnetos for inspection, inspected, replaced points P/N M3081, cleaned capacitors, reinstalled and timed to engine, OPS check good. Complied with A.D. 77-12-22 Crankcase Inspection Crack Criteria by visual inspection. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service.</p> <p style="text-align: right;"><i>Dana Brewer 507646159IA</i></p>
		<p>N817EJ Date: 3/15/2007 Tach: 3845.4</p> <p>Drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48110-1 and serviced engine with Aeroshell 15W50. Complied with A.D. 96-12-22 Oil Filter Adapter by visual inspection. <i>Dana Brewer 507646159IA</i></p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>N817EJ Date: 6/27/2007 Tach: 3893.8</p> <p>Drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48110-1 and serviced engine with Aeroshell 15W50, adjusted fuel pressure.</p> <p style="text-align: right;"><i>Dana Brewer 5076461591A</i></p>
		<p>N817EJ Date: 10/17/2007 Tach: 3917.3 TTE: 3673.1 TSO: 1097.1</p> <p>Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, and Cessna Service Manual. Performed compression test @80 PSI: #1-50; #2-24; #3-40; #4-65; #5-58; #6-62. Cleaned, gapped and rotated spark plugs, removed cylinders #1, #2 & #3 and sent out for repair and reinstalled, Complied with A.D. 77-13-22 Crankcase Inspection Crack Criteria by visual inspection, A.D. 07-04-190R1 Superior Air Parts, Inc. Cast Cylinder Assemblies N/A by MFG date, A.D. 07-16-10 Turbocharger Compressor Rotor N/A by engine model. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service.</p> <p style="text-align: right;"><i>Dana Brewer 5076461591A</i></p>

N817EJ Date: 02/18/10 Tach: 3947.8 TTE: 3703.6 TSO: 1127.6
 Performed an annual inspection on this engine in accordance with FAR 43, Appendix D.
 Performed compression test @80PSI: #1-70; #2-74; #3-71; #4-74; #5-70; #6-72, cleaned,
 gapped and rotated spark plugs. Complied with A.D. 09-16-03 Superior Air Parts
 Investment Cast Cylinder Assemblies N/A by P/N, A.D. 09-19-07 EQ3 Cylinder Head
 Assemblies N/A by date, A.D. 09-24-51 Superseded by A.D. 2009-24-52, A.D. 09-24-52
 Hydraulic Valve Lifters N/A by date, I certify this engine has been inspected in
 accordance with an annual inspection and was found to be in an airworthy condition at
 this time and is approved for return service. *HWH 522376358JA*

N817EJ Date: 02/18/10 Tach: 3947.8 TTP: 3947.8 TSO: 263.3
 Performed an annual inspection on this propeller in accordance with Far. 43, Appendix
 D, Dressed propeller, Airworthiness Directives current thru 2010-02, I certify this
 propeller has been inspected in accordance with an annual inspection and was found to be
 in an airworthy condition at this time and is approved for return service. *HWH 522376358JA*

12-19-10	3952.0	Removed & Replaced Oil Cooler P/N 639121 IAW Continental Service Manual. 2/11/10 - APP 2896106

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
19 Feb 11	3962.05	Removed Fuel Pump For Overhaul. Sent to Aircraft Accessories Reinstalled overhauled unit IAW Continental Service Manual. For Overhaul details see Form 8130-3 and Work order # 45040. 7 Feb 11 A&P 2896106 JA
		03/11/2011 Tach: 3963.0
		100 HR. inspection completed this date. Compressions: 72/80, 74/80, 74/80, 72/80, 68/80, 68/80. Installed new points in right mag. Re timed mags. Adjusted idle mixture. Cleaned and gapped plugs. Ran engine, no defects or leaks noted. I certify that this engine was inspected IAW a 100 hr. inspection and was determined to be in airworthy condition. Matthew Mouton <i>[Signature]</i> A&P2896106
7-12-2011	3982.6	Changed Oil and filter Ch 48110-1 and Phillips 20w-50 12 qts no contaminants in old filter Checked Pilot/owner

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
4/17/2012	TACH: 4009.35	TSMOH: 1189.15
		<p>PERFORMED 100 HR INSPECTION THIS DATE. I/A/C CONTINENTAL SERVICE MANUAL. CLEANED, GAPPED & ROTATED PLUGS. CHECKED IGNITION TIMING. PERFORMED COMPRESSION TEST AS FOLLOWS: C/O READING 40/80, #1 - 75/80, #3 - 75/80, #4 - 75/80, #6 - 75/80. CYLINDERS #2 & #5 REMOVED & REPAIRED FOR OVERHAUL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN A AIRWORTHY CONDITION.</p>
		<p>Dave Dunning A&P-IA 3275089</p>
5-20-2012	Tach 4010.73	Changed Oil and filter Ch 48110-1 and
		12 ft. Phillips 20-50 Chuck Stroh Pilot owner
		also replaced Bracket Air Filter

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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10001 American Drive
 Amarillo, Tx 79111
 Phone: 806-322-1971
 www.efa.aero

Date: 6/05/2013; Aircraft: N817EJ; Tach: 2053.00; Engine - Type: TCM TSIO-520-C, S/N: 140211-6-C, Time:., SMOH: 1289.24

Shop Order #: AMX-00203, Closed: 6/11/2013

Completed annual inspection and service. Complied with AD 96-12-22 paragraph (b) and found torque putty cracked. Verified torque on oil filter adapter assembly nut and installed new oil filter CH48110-1 IAW paragraph (a). Inspection due next time oil filter is removed or tach time 2153.00. Installed new alternator belt PN S2416-1-31.0 IAW 200 Series MM, pg17-8, para 17-25. Installed overhauled cylinder from Gibson PN 654469 SN 101143. Cleaned fuel injectors and installed new O-rings, awaiting leak check. Installed new bracket BA2405 air filter. Timed mags to 20 degrees per engine placard.

Removed valve covers per AD 09-16-03 and inspected Cylinder Heads for P/N SAC520011, per para. (f)(1)(2). Verified that cylinder heads are P/N SAC 550011 and this AD is applicable to this aircraft.

Complied with inspection portion of AD 2009-16-03. I certify that this engine has been inspected IAW an annual inspection, was determined to be in airworthy condition and is approved for return to service.

Travis Lamance

AP3070999IA

Signature: _____

English Field Aviation, LLC.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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10001 American Drive
Amarillo, Tx 79111
Phone: 806-322-1971
www.efa.aero

Date: 7/12/2013; Aircraft: N817EJ; Tach: 2090.49; Engine - Type: TCM TSIO-520-C, S/N: 140211-6-C, Time:, SMOH: 1326.73

Changed engine oil and filter (P/N CH48110-1). Serviced with 12qts Phillips XC20W-50. Cut open old filter and checked for contaminants. No defects noted. Performed ground run and checked for leaks. Operational and leak check good.

Nick Odom
AP3560008

Signature: 
English Field Aviation, LLC.

INSPECTION & MAINTENANCE RECORD



10001 American Drive
 Amarillo, Tx 79111
 Phone: 806-322-1971
 www.efa.aero

Date: 6/19/2014; Aircraft: N817EJ; Type: T210H; S/N: T210-0350; Tach: 2193.06; Total Time: 4289.37;
 Engine - Type: TCM TSIO-520-C, S/N: 140211-6-C, Time: 2957.36, SMOH: 1624.81
 Shop Order #: APM140221

Removed and replaced the engine oil dip stick o-ring. Performed compression test with the following results:
 1-70, 2-61, 3-69, 4-60, 5-68, 6-66. Re-installed spark plugs and connected leads. Performed operational and
 leak checks with no discrepancies. This aircraft is approved for return to service with regards to the work
 performed.

Jacob Lamance
 AP3625653

Signature: _____
 English Field Aviation, LLC. □

7-18-14	TTC 4290.156 hr	INSPECTED CRANK CASE FOR CRACKS PER AD 77-13-22 R1, INSPECTED HEAT EXCHANGER PER AD 71-09-07 R1, OIL ADAPTER TONGUE PER AD 96-12-22.
	AD 9726-17 due @ next oil, Removal. (CRANK VAR)	
	AD 2014-05-29 - due in 50 HR COMPRESSOR OIL - Rep late SAP ops By 8-10-17	OR 455
		CA Wright AWP1710103

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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BURTON AIRCRAFT
Riverside Airport Tulsa, Okla.
918-289-8591

Date: 8/7/2015 N3092ST ACTT 4,312.00 Tach 2217.00

Page 1

ENGINE WORK PERFORMED

1. Removed cylinders 3 & 4 and replaced after ex. Valve guide replacement by Dietlin A/C.
2. Compression Check 1-69/80 2-65/80 3-71/80 4-71/80 5-65/80 6-65/80

RECURING OR NEW AD's

1. AD 77-13-22R1 Inspected Crankcase, no defects found.
2. AD 96-12-22 Checked Adapter nut torque. *c/w*
3. AD 97-26-17 Due at overhaul.
4. AD2014-05-29 Pressure checked cylinders 1,2,3,4,&6. *c/w*

Michael B. Burton A&P_3401049 IA

END *Michael B. Burton*

DATE

N302ST
S/N 140211-6-C
Tach 2258 0
TSMO 1689 8



Boulder City Airport
Boulder City, NV

Date 11/2/2016
Manufacturer Continental
Model TSIO-520-C
TTE 3022 3

Engine Log Book

Performed a 100 hr inspection IAW Cessna and Lycoming service and maintenance manual. Performed all service and lube items due. Oil and oil filter not changed due to time and customer request. Cleaned, inspected, gaped and tested spark plugs. Inspected and cleaned fuel screen. Removed and repaired #5 cylinder. Installed using new TCM rings and gaskets as needed. Completed differential compression test. All results are /80psi. #1 76 #2 76 #3 76 #4 74 #5 76 #6 76. Base Line was 42/80psi. Timed right and left mags to 20 deg BTDC. Installed Turbo GAMI injectors kit number GT15C, s/n 23791 IAW STC SE09289SC. See 337 form this date. C/W AD 2015-19-07 by inspection of fuel injector lines. C/W AD 2014-05-29 by inspection IAW par (g), next due 2308.0. All ADs as of this date have been complied with. See AD compliance record. Ops and leak check OK. I certify that this engine has been inspected IAW a 100 hour inspection and is found to be in an airworthy condition.

Paul Schulz AP / IA 3417346

14 AUG 2017

TACH 2310.14 REMOVED TURBO CHARGER. INSTALLED NEWLY REBUILT SAME P/N 406610-9005 S/N H-VFR 00055. RUN UP CHECK OK. NO LEAKS RETURN TO SERVICE. *Walt P Walt III A+P 518962766*

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
31 AUG 2017	2317.09	OIL CHANGE, SERVICED WITH 10 QTS AEROSHELL 15W-50, NEW CH 48110-1 INSTALLED. NO F.O.D. IN OIL FILTER, RUN UP / NO LEAKS Washed & Waxed #171 A+B 518962766
7 MAR 18	2384.7 TACH SMOH 1816.5	SERVICED ENGINE IN ACCORDANCE WITH 100/ANNUAL INSPECTION. FUEL FLOW DIVIDER REMOVED SENT OUT FOR OVERHAUL & REINSTALLED. S/N 36140 P/N 631351-6. SERVICED ENGINE WITH 12 QTS AEROMER 15-50. NEW CH 48110-1 OIL FILTER. NO FOD IN REMOVED. COMPRESSION #1 76/80 #2 76/80 #3 75/80 #4 75/80 #5 75/80 #6 74/80. CLEANED GAPPED PLUGS. TIMING CHECKED. REPLACED AN 900 WASHER ON OIL PRESSURE SPRING PLUG. COMPLIED WITH AD 2015-19-07 BY INSPECTION OF FUEL LINES. REPLACED MISSING SCREWS ON VALVE COVERS. COMPLIED WITH AD 2014-05-29 PX INSPECTION OF CYLINDERS. NO NEW OR DUE AD. I CERTIFY I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. Washed & Waxed #171 A+B 518962766