

### ENGINE DESCRIPTION

MANUFACTURER CONTINENTAL MODEL I 0-520 K

SERIAL NUMBER 557521 DATE OF MANUFACTURE 1987

RATED BHP 300 RPM 2850 MANIFOLD PRESSURE \_\_\_\_\_

FUEL REQUIRED OCTANE/PERFORMANCE 100/130

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_



Airport Complex  
 P. O. Box 273  
 Fort Deposit, Alabama 36032 USA  
 334/227-8306  
 FAX 334-227-8598

ELECTROSYSTEMS, INC.

**WARRANTY DATA CARD**

The following information must be supplied when requesting warranty consideration.

*Elc Systm 0575-14/9091915*

MFR	P/N	S/N
1/17/00		
1260		
TACH TIME		TACH TIME
OWNERS NAME <i>John White</i>		
ADDRESS <i>225 Hadda Cir</i>		
<i>Brandon, MS 39047</i>		
PHONE <i>601, 992 0354</i>		

RETAIN THIS CARD WITH AIRCRAFT LOG BOOKS

**MAINTENANCE RECORD**

**FAA FORM 8130-3**  
**AIRWORTHINESS APPROVAL TAG**  
 U.S. Department Of Transportation  
 Federal Aviation Administration

Phone 1-877-833-6948  
 918-835-6948  
 Fax 918-835-2804

3. System Tracking Ref. No.  
*WO# 3255*

5. Work Order, Contract or Invoice Number  
*INV# 1832*

Part/Number <i>8424</i>	8. Eligibility* See Remarks	10. Qty <i>1</i>	11. Serial/Batch Number <i>88993</i>	12. Status/Work <i>Overhaul (exchange) mech-ML</i>
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including total time/total cycles since new.

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 part(s) is (are) approved for return to service.

20. Authorized Signature  
*Susan Tinschar*  
 Name (Typed or Printed): *Susan Tinschar*

21. License Number:  
*QYIR334Y*

23. Date:  
*1-13-00*

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

*Overhauled*

*893*

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*J*

Bellanca N6316V Tach: 1302.1 hrs. Date: August 30, 2000  
100 hr. inspection completed this date. All routine items checked. Compression  
check: #1-70/80, #2-66/80, #3-79/80, #4-77/80, #5-77/80, #6-76/80. Cleaned and  
gapped plugs, megged harness. Cleaned fuel nozzles and screen. Checked mag timing.  
Changed oil and filter, serviced with Aeroshell W100. Installed new inlet air  
filter. C/W AD 76-23-03 by inspection of exhaust, checked good. C/W AD 96-12-22 by  
inspection of oil filter adapter for security and torque stripe, checked good. AD  
97-26-17 insp. of crankshaft due at overhaul or shaft removal. AD 99-19-01 and  
00-08-51 insp. of VAR crankshaft N/A per crankshaft serial no. See AD note summary  
in aircraft papers for complete listing and compliance times. Engine washed and  
ground run, checked good.

I Certify that this Engine has been Inspected in accordance with an  
100 hr Inspection and determined to be in Quintessential Condition.  
Total Time 1302.1 Tach Time 1302.1 Date Aug 30, 2000  
Signature Arthur Mitchell ELT Batt. Exp. See A/c Log  
Miller Flying Service Certified Repair Station # GYCR551E

DATE

TOTAL  
TIME

INSPECTION  
AGENCY

N 6316V

9/27/00

TACH:  
1307.87

Removed #1, 3 + 5 exhaust stacks  
+ sent to Aerospace Welding  
for repairs. W.O # 41437, dated  
9/20/00. Reinstalled using new  
gaskets. C/w AD 76-23-03 by insp.  
of exhaust. Next compliance due  
in 100 hours.

M.H. Bowling  
A+P 1707558

INSPECTION OR MAINTENANCE PERFORMED

Bellanca N6316V Tach: 1328.3 hrs. Date: Aug. 7, 2001  
100 hr. inspection completed this date. All routine items checked. Compression check: #1-68/80, #2-62/80, #3-76/80, #4-78/80, #5-76/80, #6-73/80. Installed new Champion RHB32E spark plugs. Megged harness, cleaned fuel screen and nozzles. Checked mag timing. Changed oil and filter, checked filter for contamination, checked good. Serviced with Aeroshell W100. Replaced inlet air filter. Replaced rocker cover gasket on # 6 cylinder. Installed new alternator pulley and belt. Replaced sceet duct hoses as needed. C/W AD 96-12-22 on oil filter adapter, checked good. Reinstalled, torqued, safetied and installed torque stripe on nut. Due each oil change or inspection. AD 97-26-17 on crankshaft insp. due at overhaul or shaft removal. AD 00-23-21 on VAR crankshaft N/A per serial no. AD 96-12-07 on mag impulse couplings PCW, due again at 1545.8 hrs. See AD note summary in aircraft papers for complete listing and comliance times. Engine washed and ground run, checked good.

I Certify that this Engine has been Inspected in accordance with an 100 hr Inspection and determined to be in Serviceable condition.

Total Time 1328.3 Tach Time 1328.3 Date Aug 7, 2001  
Signature [Signature] ELI Batt. Exp. See A/C Log  
Miller Flying Service Certified Repair Station # GYCR551E

N6316V Tach: 1405.6 Eng. TSN: 1405.6  
Removed Continental IO-520-K (s/n 557521) from  
Bellanca 17-30A, N6316V for inspection/repair.

AVIATION SERVICES, INC. dba JET WEST  
1880 GENTRY WAY  
RENO, NEVADA 89502  
TEL: 775-825-6400

DATE: 3/4/02 W/O: 1328  
BY: [Signature] FOR  
FAA REPAIR STATION AW4R065M

*LYNN*  
*132*

# INSPECTION & MAINTENANCE RECC

PERF  
ATE NO.

Date: 6/ 3/2005, Aircraft: N6316V, Type: BELLANCA  
17-30A, S/N: 87-30998 Completed 100 hr. inspeciton, all  
routine items checked. Compression check: #1-70/80,  
#2-72/80, #3-74/80, #4-72/80, #5-74/80, #6-74/80. Installed  
new Champion RHB32E spark plugs, megged harness.  
Cleaned fuel nozzles and screen. Checked mag timing.  
Replaced inlet air filter. Changed oil and filter, checked filter  
for contamination, checked good. Serviced with Phillips  
20W50 XC. C/W AD 96-12-22 by inspection of oil filter  
adapter for security and condition of torque stripe, checked  
good. C/W AD 76-23-03 by inspection of exhaust and ball  
joints, for cracks and deformation, checked good. See AD  
note summary in aircraft papers for complete listing and  
compliance times. Engine washed and ground run, checked  
good.

I Certify that this ENGINE has been inspected in accordance  
with a 100 hr. inspection and found to be in AIRWORTHY  
condition.

Aircraft Total Time 1753.3 Tach Time 1753.3  
Engine Total Time 1753.3 Eng. SMOH 347.7

Date June 3, 2005  
Sig. Robert M. Comelius Cert. # 1802620  
Miller Flying Service, Plainview, TX 79072

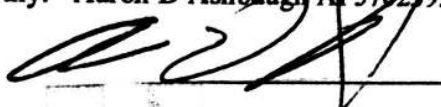


INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME

6-15-06 Tach time 1819.51

Inspected this engine IAW MFG MM's and current FAR's appendix D. Degreased engine, Drained oil and removed filter. Cut open and inspected filter no debris noted. Installed new filter. Serviced with Phillips 20w50xc. lubed all engine controls, Borescoped engine. Compression checked engine with Master orifice #1 72/80 #2 72/80 #3 72/80 #4 70/80 #5 72/80 #6 72/80. Reset mag timing to 22 BTC. Cleaned, gapped, and rotated plugs. Removed and cleaned Gami injectors. Complied with all current AD's. I certify that this engine has inspected IAW with an Annual inspection and has been found airworthy. Aaron D Ashbaugh AP570239534IA



3/11/08	1917.2 TACH	SERVICED ENGINE IAW 100HR/ANNUAL MAINTENANCE
		ONLY NEW AD 2007-04-19 R1 PIN/A DUE TO NOT SUPERIOR
		CYL. TEST OF COMP #1 74/60 #2 75/60 #3 79/60 #4 74/60
		#5 79/60 #6 77/60. SERVICED WITH 12 QTS PHILIPS 20W-50
		CLEANED GAPPED + TESTED PLUGS NO F.O.D IN OIL
		FILTER. NEW CH48110-1 FILTER INSTALLED. 12 NEW
		M677 GASKETS. CLEANED INJECTORS. MAG TIMING
		✓OK. RUN UP ✓OK NO LEAKS. TIGHTENED EXHAUST
		CLAMPS. REPLACED O-RING ON QUICK DRAIN.
		ADJUSTED ALT BELT TENSION.
		(NEXT PAGE)

# INSPECTION & MAINTENANCE RECORD

TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	DATE <u>3/11/08</u> TACH <u>197.2</u> FT <u>510.9</u> SMOH
	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED
	IN ACCORDANCE WITH <u>ANNUAL</u> INSPECTION AND WAS
	DETERMINED TO BE IN <u>AIRWORTHY</u> CONDITION
	<u>1A</u> 518962766 <u>[Signature]</u>

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3/23/09	1962.99	<p>100hr Insp Completed this Date Normal Services performed Comp 1<sup>22</sup>/<sub>40</sub> 2<sup>22</sup>/<sub>40</sub> 3<sup>22</sup>/<sub>40</sub> 4<sup>22</sup>/<sub>40</sub> 5<sup>22</sup>/<sub>40</sub> 6<sup>22</sup>/<sub>40</sub>. changed oil + Filter AAD 1205 Phillips 20-50, 110 Filter Timing good, runup OK for leaks, OK</p> <p>I certify that this engine has been inspected IAW AN ANNUAL Insp. and was determined to be in airworthy condition.</p> <p>Bernard Gene Disher 518740816 A/R</p>

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IN  
ICE

**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or I

N6316V

TACH: 2026.26

13 AUG 09

CHANGED OIL & FILTER.

AA110 FILTER & 10 QTS

PHILLIPS 20 W50 OIL.

GROUND RAN A/C NO LEAKS

Lund ~~MA~~ 2720676 A&P

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6 AUG 2010			2057.5	TACH. SERVICED IAW 100HR/ANNUAL. ORIGINAL LOG BOOKS LOST. COPIES OF ORIGINALS WERE MADE PREVIOUSLY TO CONTINUE FROM. CLEANED GAPPED + TESTED PLUGS. CLEANED ALL INJECTOR NOZZLES. NEW ES 48110 OIL FILTER INSTALLED NO FOD IN ONE REMOVER? SERVICED WITH 10 QTS PHILLIPS 20W50 OIL. MAG TIMING ADJUSTED TO 22° BTDC BOTH L+R. INSTALLED MISSING L. INNER CYLINDER BAFLE WITH USED SERVICEABLE. COMPRESSION CHECK #1 67/40 #2 67/40 #3 67/40 #4 67/40 #5 67/40 #6 67/40

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				LUBED ALL ENGINE CONTROLS, RUV UP V OK NO LEAKS. ALL ADS COMPLIED WITH NONE DUE. RETURN TO SERVICE  DATE <u>7/16/10</u> TACH <u>2057.5</u> TTSM04 <u>651.2</u> CERTIFY THAT THIS ENGINE HAS BEEN INSPECTE IN ACCORDANCE WITH ANNUAL INSPECTION AND WD DETERMINED TO BE IN AIRWORTHY CONDITION  <u>LA 518962766</u> <i>Mark Phillips III</i>
15 AUG 2011	2099.0 TACH			SERVICED WITH 10 QTS PHILIPS 20W50, NEW ES 46110-1 OIL FILTER, NO FOD FOUND IN FILTER, NO LEAKS. RETURN TO SERVICE. <i>Mark Phillips III</i> ATP 518 96 2766

YEAR: DATE	RECORDING TACH TIME	TODAY'S 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.)
7/2/14	217.5		711.93104	SERVICED ENGINE WITH 100B PHILLIPS 20 W 50 XC. NEW EH 48110-1 OIL FILTER INSTALLED NO POP IN OIL REMOVED. CLEANED GAPPED & TESTED PLUGS. CLEANED INJECTORS. LUBED ENGINE CONTROLS. MAG TIMING CHECK OK RUN UP ✓ OK NO LEAKS. COMP #1 67/60 #2 68/60 #3 68/60 #4 67/60 #5 68/60 #6 67/60 NO ADS NEW ULE. COMPLIED WITH AD 96-12-22 BY INSPECTION OF FILTER ADAPTER. COMPLIED WITH AP 76-23-03 BY INSPECTION OF BALL JOINTS.
				(NEXT PAGE)

**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.)

DATE 7/2/14 TACH 2117.5 TT 711.9 SMOH

I CERTIFY THIS ENGINE HAS BEEN

INSPECTED IN ACCORDANCE WITH

ANNUAL INSPECTION AND FOUND

TO BE IN AIRWORTHY CONDITION

IA 018902768 Walter P. [Signature]