

L/H

Engine Maintenance Records

Log Number:	_____
Aircraft Registration Number:	_____
Engine Manufacturer:	TCM
Model:	TD-520-CB
Serial Number:	282348-B
Date Installed on Aircraft:	_____
Time Between Overhauls:	1700 hours
Engine Position:	_____

The Power of Experience



Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.

315-536-2333

Repair Station Approval

FAA: Y2GR396Y

EASA.145.5936

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ENGINE MODEL: IO-520-CB
ENGINE S/N (L): 282348-R
REG. NO: 1125F
WORK ORDER: 11072-11-2021



Honeycutt Aviation, Inc.

1489 Sky Harbor Dr.
Olivehurst, CA 95961
Phone: (530) 741-1345

DATE: 12/16/2021
A/C TSN: 60865
ENG TT (L): 4215.6
TSMOH (L): 1015.5
HOBBS: 1952

Left Engine Entries

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

Performed oil & filter change. Drained oil, cut and inspected oil filter, no defects noted. Installed new CH48108-1 oil filter. Serviced with 10 qts Phillips 20/50XC and added 1 pint of CamGuard. No leaks noted after run-up.

Complied with SEL-71-10 & SB18-04A, confirmed flanged Nuts (P/N 652541) Identified with Manufacturer's Stamp "ZB" not installed on left engine of this aircraft.

Adjusted fuel injection system on left engine IAW Continental Standard Practices Manual M-0 section 6-4.7.

Retimed both magnetos to 22 degrees BTDC and torqued hardware.

Installed new intake gasket P/N 649959 on cylinder #3 and torqued bolts to 110 inch pounds per Continental standard practice maintenance manual M-0

Removed left engine sump drain and installed new gasket P/N MS35769-11 and secured with safety wire.

Installed clamp on left engine #5 EGT probe.

Adjusted throttle control rod end 1 turn in for proper travels and cushion.

Installed new left engine exhaust hanger mounting bracket with new hardware.

Installed overhauled alternator drive coupler P/N 646655 S/N 110347 and bi-metal washer P/N 630691 per TCM maintenance manual M-0. Torqued drive coupler nut to 25.5 ft-lbs and cotter-pinned. Torqued alternator attaching hardware to 165 inch-lbs.

DATE: 12/16/2021

SIGNED:

Daniel Honeycutt, IA: 2608070

Work Order: 11072-11-2021

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otals - Carry Forward



alance Forward

Description of WORK PERFORMED
Certificate Number & Signature of Technician



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

DATE: 11/12/19 MODEL: IO-520-CB SMOH: 924.5 HOBBS: 1823.0
REG: N112SF S/N: 282348-R

- 1 SERVICE ENGINE WITH 12 QUARTS OF PHILLIPS 20W50 PHILLIPS XC OIL AND 1 OZ OF CAMGUARD.
- 2 INSTALL NEW OIL FILTER P/N: CH48108-1.
- 3 OIL SAMPLE TAKEN.
- 4 COMPRESSION TEST: 1/75, 2/68, 3/70, 4/70, 5/70, 6/70.
- 5 INSTALL NEW ENGINE AIR FILTER ELEMENT P/N: BA7705.

STEPHEN STEWART - A&P 2129169

PERTINENT DETAILS ON FILE: W.O. 112111219

Total Time
Total Time
Since



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

4124.6 TTE

DATE: 11/12/19 MODEL: IO-520-CB SMOH: 924.5 HOBBS: 1823.0
REG: N112SF S/N: 282348-R

ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.

STEPHEN STEWART - IA 2129169

PERTINENT DETAILS ON FILE: W.O. 112111219

Tach or
Recording

Balance Forward

Totals - Carry Forward



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

DATE: 07/01/20 MODEL: IO-520-CB SMOH: 928.2 HOBBS: 1864.7
REG: N112SF S/N: 282348-R

- 1 OIL SAMPLE TAKEN
- 2 REPLACED ENGINE OIL FILTER P/N: CH48108-1
- 3 SERVICE ENGINE WITH 12 QUARTS OF PHILLIPS 20W50 X/C OIL.

RAPHAEL LOPEZ - A&P 2709706

CHRISTIAN MUNOZ - A&P 3559458

PERTINENT DETAILS ON FILE: W.O. 112070120

Description of Work Performed



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

DATE: 09/10/20 MODEL: IO-520-CB SMOH: 958.5 HOBBS: 1895.0
REG: N112SF S/N: 282348-R

- 1 REMOVE & REPLACE EXHAUST BRACE P/N: 96-950013-9 ON ENGINE.

RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 112091020

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PENN VAN AERO

Age: 16



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

DATE: 09/01/17
REG: N112SF

MODEL: IO-520-CB
S/N: 282348-R

SMOH: 841.5

HOBBS: 1740.0

ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.

STEPHEN STEWART - IA 2129169

PERTINENT DETAILS ON FILE: W.O. 112090117

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ire of



9519 Airport Drive, Hanger 19
Visalia, CA 93277

Left Engine

DATE: 09/01/17
REG: N112SF

MODEL: IO-520-CB
S/N: 282348-R

SMOH: 841.5

HOBBS: 1740.0

- SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.
- INSTALL NEW OIL FILTER P/N: CH48108-1.
- OIL SAMPLE TAKEN.
- COMPRESSION TEST: 1/62, 2/60, 3/70, 4/60, 5/65, 6/60.

STEPHEN STEWART - A&P 2129169

PERTINENT DETAILS ON FILE: W.O. 112090117

Totals - Carry Forward




Balance 1

MODEL	58	B.C.H. AVIATION CENTER	DATE	11-1-18
S/N	TH-1038	920 W. CHANDLER	W.O. #	2926
REG. NO.	N112SF	FRESNO, CA 93706	HOBBS	1785.3 hrs.
ENG. MOD.	IO520CB	(559) 441-0991	TACH	n/a
ENG. S/N	282348-R	ENGINE LOGBOOK INSERT	CYCLES	

100 hr. inspection completed this date in accordance with FAR 43 appendix D. Changed oil and filter. Serviced with Phillips 20W-50 X/C and CamGuard. Cleaned and gapped spark plugs. Checked magneto to engine timing. Checked intake and exhaust systems. C/W TCM MSB94-8D by inspection of magneto timing to engine. C/W TCM SB95-2 by inspection of engine controls for proper attachment and lubrication. C/W TCM SB95-7 by inspection of fuel manifold valve. C/W TCM SB653 by inspection for "hot mags." Comparator check: #1-71/80, #2-68/80, #3-72/80, #4-66/80, #5-72/80, #6-64/80. ACPLL was 44 psig. Washed engine and ground ran. No leaks found. Engine total time in service is 4086.9 hrs. Engine time since overhaul is 886.8 hrs.

A & P 2021725

	Glendale Aero Services	Registration: N112SF		LEFT ENGINE LOG
	6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4930	Date: 5/17/2016	W/O: 6001606	
		Model: 58	Hobbs: 1647.7	
		S/N: TH-1038		
<p>Removed existing LH engine induction support bracket. Installed new bracket p/n 631832 and safetied 4 ea. induction intake flange bolts. MX performed IAW Beech Model 58 AMM.</p> <p>Removed #2 fuel injector from LH engine. Cleaned and inspected injector and fuel line attach nut for cracks and defects with no cracks or defects noted. Installed fuel injector with anti-seize and torqued to specified limits IAW CMi SB 96-7D. Operation and leak check satisfactory.</p>				
SIGNATURE: <i>James Butler</i>			FAA AUTHORIZATION: 2833700 IA	

ENGINE MODEL: IO-520-CB
ENGINE S/N (L): 282348-R
REG. NO: 112SF
WORK ORDER: 7019-07-2016



Cruiseair Aviation, Inc.
Repair Station No. LF3R655L
2428 Montecito Road
Ramona, CA 92065
Phone: (760)789-8020

DATE: 8/16/2016
A/C TSN: 5798.7
ENG TT (L): 3965.8
TSMOH (L): 765.7
HOBBS: 1664.2

Left Engine Entries

Completed Annual Inspection this date. Compression test 1.72/80 2.68/80 3.72/80 4.70/80 5.76/80 6.68/80. Clean spark plugs and fuel injectors. Wash engine and run up, ok.... Adjusted idle mixture.... Replaced left rear inner cylinder baffle support.... Reattached instrument air inlet filter cover.... Installed adel clamp to Fuel hose at rear baffle.... Replaced left rear baffle support.... Replaced alternate air duct.... Replaced throttle body upper and lower support brackets.... Repaired left engine right baffle.... Repalced breather tube adel clamp at intake.... Tightened and safetied oil temp cannon plug.... Replaced breather tube clamp at exhaust hanger.... Adjusted left magneto timing.... Replaced induction air filter assembly.... Adjusted full throttle fuel flow in accordance with M-11.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition. Maintenance Release: 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 on Work Order shown above.

DATE: 8/16/2016

SIGNED: *Jason Bowen*
Jason Bowen
Certified Repair Station No. LF3R655L

Work Order: 7019-07-2016
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Totals – Carry Forward





Glendale Aero Services
 6841 N. Glen Harbor Blvd
 Glendale, AZ 85307
 623-414-4930

Registration: **N112SF**
 Date: 1/12/2017
 Model: 58
 S/N: TH-1038

W/O: 6001844
 Hobbs: 1695.1

LEFT ENGINE LOG

Removed LH magneto p/n BL-349350-4 s/n F06GA012R and RH magneto p/n 10-349350-5 s/n K269740FR from LH engine for **500-hour magneto inspections**. Received same magnetos back in repaired condition, reference FAA Form 8130-3 from Aircraft Engine Specialists under work orders M3467-17-01 dated 1/10/2017 & M3466-17-01 dated 1/9/2017 for details. Reinstalled magnetos and adjusted timing to specified limits. Ground run-up and operational checks normal with no defects or leaks noted. Maintenance performed IAW CMI IO-520 Series OHL Manual.

SIGNATURE: *Ron Scarborough*

FAA AUTHORIZATION: **3546789 A&P**

Left Engine

Reg: **N112SF**
 Model: **IO-520-CB**
 S/N: **282348-R**

Date	1/22/2017
Tach	1695.2
TTAF	5829.7
SMOH	796.7

Drained oil, replaced oil filter with CH48108-1, added 11 Qts Phillips XC 20W50 & 1 pint Camguard.

Authorized Signature

Pilots License # 3391569

Balance Forward

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

Tach or
 Recording
 Meter Time

Left Engine

Reg: N112SF
Model: IO-520-CB
S/N: 282348-R

Date 1/12/2016

Tach	1605.2
TTAF	5739.7
SMOH	706.7

Drained oil, replaced oil filter with CH48108-1, added 11 Qts Phillips XC 20W50 & 1 Qt Camguard.

Authorized Signature


Pilot's License # 3391569

Left Engine

Reg: N112SF
Model: IO-520-CB
S/N: 282348-R

Date 5/2/2016

Tach	1647.5
TTAF	5782
SMOH	749

Drained oil, replaced oil filter with CH48108-1, added 11 Qts Phillips XC 20W50 & 1 Qt Camguard.

Authorized Signature


Pilot's License # 3391569

MEDIA FILTER - NO ISSUES DETECTED

SERVICES 10 QTS PHILLIPS

XC/20-50 + CAMGUARD

3074308

Balance Forward

Page: 1

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

Total Time Since Overhaul
Tach or Recording Meter Time



Glendale Aero Services

6841 N. Glen Harbor Blvd
Glendale, AZ 85307
623-414-4930

Registration: **N112SF**

Date: 6/1/2015

Model: IO-520-CB

S/N: 282348-R

W/O: 6001242

Hobbs: 1545.4

TSN: 3847.0

LEFT ENGINE LOG

SMOH: 646.9

performing Work

Complied with an Annual Inspection in accordance with 14 CFR 43 Appendix D using Glendale Aero Services Annual / 100-Hour Inspection Checklist. AD's researched thru T-Data content revision 2015-10, see AD compliance list for details.

Compressions checked IAW CMi **SB 03-3 Section B**; 1-70, 2-65, 3-70, 4-67, 5-68, 6-68 / 80 warmed. Performed a borescope inspection of all cylinders IAW CMi **SB 03-3 Section C**, found all cylinders serviceable at this time.

Magneto to engine timing checked and found within specified limits and no adjustments required.

Removed, cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Removed and cleaned main fuel inlet strainer assembly and re-installed with new gasket and safety wire.

Removed and replaced LH engine #5 fuel injector line with new Continental p/n 628153. Leak and operational check normal.

Removed oil line to LH engine prop governor, repaired oil line by cutting damaged flare at prop governor fitting. Flared line and installed with new AN818-6D B-nut and MS20819-6D flare sleeve. Re-installed and secured oil line, torque fitting to specified limits. Maintenance performed IAW AC 43.13-1B. Operation and leak check performed with no leaks noted.

Removed existing LH engine motor mounts and replaced with 4 each new LORD mounts p/n J-10778-16. Installed with existing bolts and new locking hardware. Torqued to specified limits in accordance with Beechcraft 55 / 58 AMM Chapter 72-30-00.

Removed and replaced LH engine #6 rocker cover with new silicone gasket p/n GB534857.

Removed existing deteriorated LH engine induction duct and replaced with new flex duct Beechcraft p/n 96-91911.

Re-secured LH engine baffling with new attach hardware and re-sealed as required.

Removed existing LH engine throttle body support bracket. Installed and secured new Continental Motors bracket p/n 631832 with existing hardware.

Removed existing LH engine lower exhaust bracket. Replaced with new bracket Beech p/n 96-940012-5 and secured as required.

Engine driven fuel system set-up checked IAW SID 97-3F, all pressures found within specified limits and no adjustments required.

Post inspection full power ground run-up performed with all indications and operations normal and no leaks or defects noted.

I certify this engine has been inspected in accordance with an annual / 100Hr inspection and was determined to be in airworthy condition

SIGNATURE: John Fisher *John Fisher*

FAA AUTHORIZATION: 2734397 IA



Glendale Aero Services

6841 N. Glen Harbor Blvd
Glendale, AZ 85307
623-414-4930

Registration: **N112SF**

Date: 8/24/2015

Model: IO-520-CB

S/N: 282348-R

LEFT ENGINE LOG

W/O: 6001338

Hobbs: 1567.0

Drained engine oil from LH engines, took AOA oil sample to send for analysis. Removed oil filter assembly. Cut and inspected old filter for metal contamination, filter normal. Installed new CH48108-1 filter and serviced engine with 11 quarts Phillips XC 20W50 oil. Performed static ground run, leak and operational check normal.

SIGNATURE: Ron Scarborough *Ron Scarborough*

FAA AUTHORIZATION: 3546789 A&P

Totals - Carry Forward





2/15

1470.00

DRAWN 12 QTS REMOVED +
REPLACED OIL FILTER CH48108-1
CUT / INSPECTED MEDIA - NO ISSUES
SERVICED 10 QTS PHILLIPS XC/20-50
+ CAMGUARD

[Signature]
3074308



Glendale Aero Services

6841 N. Glen Harbor Blvd
Glendale, AZ 85309
623-414-4930

Registration: N112SF

Date: 4/2/2015

Model: IO-520-CB

S/N: 282348-R

W/C: 6001191

Hobbs: 1521.6

LEFT ENGINE LOG

Accessed, removed and replaced cylinder #1, #3, #5 and #4 rocker cover gaskets with new silicone type rocker seals. Torqued attach hardware to specified limits IAW CMI SB 96-7C. Ground run-up and leak checks normal.

SIGNATURE: John Fisher

[Signature]

FAA AUTHORIZATION:

2734397 A&P / IA

4/15

1521.8

DRAWN OIL REMOVED + REPLACED
OIL FILTER (CH48108-1) INSPECTED
MEDIA FILTER - NO ISSUES DETECTED
SERVICED 10 QTS PHILLIPS
XC/20-50 + CAMGUARD

[Signature]
3074308

Balance Forward

Total Time
In ServiceTotal Time
Since
OverhaulTach or
Recording
Meter TimeDescription of Work Performed
Certificate Number & Signature of Technician Performing Work

Balance Forward

**Glendale Aero Services**6841 N. Glen Harbor Blvd
Glendale, AZ 85309
623-414-4930Registration: **N112SF**

Date: 11/19/2014

Model: BE-58

S/N: TH-1038

LEFT ENGINE LOG

W/O: 6001053

Hobbs: 1433.1

Replaced complete ignition harness assembly with new Champion Aerospace p/n CH11740 harness assembly.
Removed left magneto breaker cover for capacitor inspection, found breaker point clearance below specified limits. Removed left magneto. Adjusted breaker point clearance and set internal timing IAW Bendix 1200 Series manual X42001-1 Section 9, Paragraph 9.2.9. Replaced capacitor with new p/n 10-400615. Re-installed magneto and timed to engine. Ground run-up, operational check and magneto drop checks normal with no defects or audio noise noted.

SIGNATURE: John Fisher

FAA AUTHORIZATION:

2734397 A&P / IA

**Glendale Aero Services**6841 N. Glen Harbor Blvd
Glendale, AZ 85309
623-414-4930Registration: **N112SF**

Date: 12/11/2014

Model: BE-58

S/N: TH-1038

LEFT ENGINE LOG

W/O: 6001082

Hobbs: 1450.7

Removed failed pressure pump p/n 442CW-12 s/n 01VW07. Inspected Garlok seal for leaks and found serviceable at this time. Evacuated inlet and outlet lines of debris. Replaced inline filter with new p/n AA2J4-7. Installed pressure pump p/n 442CW-12 in overhauled condition, reference FAA Form 8130-3 from Rapco Inc. under w/o 159139 dated 5/6/2014 for details. Secured pump with new flange gasket and locking hardware. Ground run-up performed, operational checks normal with no faults noted.
Replaced existing Gami Injectors for cylinders #1 and #2 with new p/n GA173 injectors from General Aviation Modifications Inc., reference Certificate of Conformance under s/n 10968 dated 11/19/2014 under Kit No. GAD13A s/n 10968 previously installed under STC SE09217SC. Torqued injectors to specified limits, leak checks normal. Installation IAW CMi SB 96-7C.

SIGNATURE: John Fisher


FAA AUTHORIZATION:


2734397 A&P / IA


Totals - Carry Forward

PENN YAN AERO

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Balance Forward
					<i>Balance Forward</i>

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4930	Registration: N112SF		LEFT ENGINE LOG	
	Date: 7/21/2014	W/O: 6000929		
	Model: IO-520-CB	Hobbs: 1310.7		
	S/N: 282348-R	TSMOH: 412.2		
<p>Removed induction and exhaust systems as required for access to hydraulic lifters. Accessed and removed all hydraulic lifters for visual inspection of lifter faces and camshaft. No corrosion, pitting or spalling noted to camshaft or lifters. Found three intake lifters installed in exhaust locations for cylinders #1, #2 and #3. Replaced lifters with three each p/n 653877 in repaired condition, reference FAA Form 8130-3 from Aircraft Specialties Services CRS No. DD2R764K under w/o 211587 dated 3/14/2012 for details. Re-installed existing serviceable valve train, intake and exhaust components using new seals, gaskets and locking hardware as required.</p> <p>Drained engine oil, removed filter assembly. Cut and inspected old filter for metal contamination, filter normal. Installed new CH48108-1 filter and serviced engine with 11 quarts Phillips XC 20W-50 oil and 1 pint ASL Camguard.</p> <p>Pre-oiled engine, performed post maintenance ground run-up and operational checks with all indications and operations normal. Maintenance performed in accordance with Continental Motors Inc. IO-520 Series OHL manual, CMi SIL 99-2B and SB 96-7C</p>				
SIGNATURE: <i>Ron Scarborough</i>		FAA AUTHORIZATION:		3546789 A&P

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4930	Registration: N112SF		LEFT ENGINE LOG	
	Date: 8/26/2014	W/O: 6000986		
	Model: IO-520-CB	Hobbs: 1362.1		
	S/N: 282348-R	TSMOH: 463.6		
<p>Drained engine oil, collected AOA sample for analysis. Removed filter assembly. Cut and inspected old filter for metal contamination, filter normal. Installed new CH48108-1 filter and serviced engine with 11 quarts Phillips XC20W-50 oil. Post maintenance ground run-up and leak check performed with all indications normal and no leaks or defects noted.</p>				
SIGNATURE: <i>Kenneth Morgan III</i>		FAA AUTHORIZATION:		322829269 A&P

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85309 623-414-4930	Registration: N112SF		LEFT ENGINE LOG	
	Date: 11/11/2014	W/O: 6001021		
	Model: BE-58	Hobbs: 1422.0		
	S/N: TH-1038			
<p>Drained engine oil, collected AOA sample for analysis. Removed oil filter assembly, cut and inspected filter for metal contamination, filter found normal. Installed new CH48108-1 filter and serviced engine with 10 Quarts Phillips XC 20W-50 oil and 1 pint ASL Camguard. Ground run-up, operational checks normal with no leaks noted.</p>				
SIGNATURE: <i>Ron Scarborough</i>		FAA AUTHORIZATION:		3546789 A&P

GLENDALE AERO SERVICES

Engine Log Entry
 Date 6-21-12 TT 1244.
 Drained the oil sump, serviced with Aeroshell 15W50 oil. Changed the oil.
 Norman F Groom A&P 2236513

scription of Work Performed
 & Signature of Technician Performing Work

Add 4134.5 To
 Hobbs for total


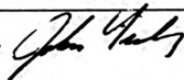
12/23/2011
 Hobbs time 1221.8
 A/F Total time 5356.3
 TSMOH 323.3

Left Engine Log Entry

Beech 58
 N112SF S/N TH-1038
 Cont IO-520-CB-8W
 S/N 282468R

Annual inspection completed per FAR 43 and Beech inspection form and maint Manual.
 Log research completed A.D. notes checked thru 11-25.
 Differential compression check reads 1)72/80 2)70/80 3)75/80 4)70/80 5)74/80 6)66/80.
 AD note's 2009-16-03, 2009-19-07 and 2010-11-04 do not apply to this engine.
 Drained the oil sump, serviced with 11 qts Aeroshell 15W50. Changed the oil filter.
 Dressed nicks from the propeller blades.
 Cleaned the fuel injector screen.
 Installed a new induction air filter P/N BA-7705.

Total Time Since Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Page: 8
			Balance Forward	

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4930	Registration: N112SF		LEFT ENGINE LOG	
	Date: 5/16/2014	W/O: 6000876		
	Model: IO-520-CB	Hobbs: 1290.6		
	S/N: 282348-R	TSN: 3592.2	SMOH: 392.1	
<p>Complied with an Annual Inspection in accordance with 14 CFR 43 Appendix D using Glendale Aero Services Annual / 100-Hour Inspection Checklist. AD's researched thru T-Data content revision 2014-09, see AD compliance list for details.</p> <p>AD 12-03-06 ASF Fuel servo diaphragm is N/A by no ASF fuel servo diaphragm installed. No further action is required.</p> <p>AD 14-05-29 Superior Air Parts cylinder assemblies is not applicable by cylinder part number and serial numbers installed. Cylinders installed are p/n SA52006-A20P. No further action is required.</p> <p>Drained engine oil, removed oil filter assembly. Cut and inspected old filter for metal contamination, filter normal. Installed new CH48108-1 filter and serviced engine with 11 quarts Aeroshell 15W-50 oil.</p> <p>Compressions checked IAW CMi SB 03-3 Section B; 1-66, 2-64, 3-68, 4-67, 5-67, 6-69 / 80 warmed. Performed a borescope inspection of all cylinders IAW CMi SB 03-3 Section C, found all cylinders serviceable at this time.</p> <p>Magneto to engine timing checked and found within specified limits and no adjustments required.</p> <p>Removed, cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.</p> <p>Removed, cleaned and re-installed all fuel injector nozzles. Re-installed and torqued to specified limits IAW SB 96-7C</p> <p>Removed and cleaned main fuel inlet strainer assembly and re-installed with new gasket and safety wire.</p> <p>Removed existing forward engine case thru bolts. Installed new Continental Motors Inc. extended thru bolts p/n 652887-6.96 and 652887-6.74 to accommodate A/C bracket installation using new o-rings and existing locking hardware. Torqued case bolts to specified limits IAW Model IO-520 Series OHL manual and CMi SB96-7C.</p> <p>Installed new vacuum pump cooling shroud assembly p/n 1199-2. Secured existing SCAT hose with Breeze clamps.</p> <p>Replaced breather tube support clamp with new p/n MS21919WDG35. Secured with new locking hardware.</p> <p>Engine driven fuel system set-up checked IAW SID 97-3F, performed adjustment to high end fuel flow to specified limits.</p> <p>Post inspection full power ground run-up performed with all indications and operations normal and no leaks or defects noted.</p> <p>I certify this engine has been inspected in accordance with an annual / 100Hr inspection and was determined to be in airworthy condition</p>				
SIGNATURE: John Fisher 		FAA AUTHORIZATION: 2734397 IA		

Totals - Carry Forward



Beech 58
N112SF S/N TH-1038
Cont IO-520-CB-8W
S/N 282468R

Left Engine Log Entry

12/23/2011
Hobbs time 1221.8
A/F Total time 5356.3
TSMOH 323.3

Description of Work Performed
& Signature of Technician Performed

1. Annual inspection completed per FAR 43 and Beech inspection form and maint Manual.
2. Log research completed A.D. notes checked thru 11-25.
3. Differential compression check reads. 1)72/80 2)70/80 3)75/80 4)70/80 5)74/80 6)66/80.
4. AD note's 2009-16-03, 2009-19-07 and 2010-11-04 do not apply to this engine.
5. Drained the oil sump, serviced with 11 qts Aeroshell 15W50. Changed the oil filter
6. Dressed nicks from the propeller blades.
7. Cleaned the fuel injector screen.
8. Installed a new induction air filter P/N BA-7705.
9. Cleaned gapped and tested the spark plugs.
10. Cleaned the fuel injector nozzles.
11. Installed a new throttle body support bracket P/N 631832.
12. Washed the engine with solvent ground ran and checked for oil leaks.

Add 4134.5 To
Hobbs for total

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in a airworthy condition this date 12/23/2011.

Norman E. Groom A&P 2236513 IA

Norman E. Groom

Beech 58
N112SF S/N TH-1038
Cont IO-520-CB-8W
S/N 282468R

Left Engine Log Entry

1/30/2013
Hobbs time 1261.2
A/F Total time 5395.7
TSMOH 362.7

1. Annual inspection completed per FAR 43 and Beech inspection form and maint Manual.
2. Log research completed A.D. notes checked thru 13-02.
3. Differential compression check reads. 1)72/80 2)70/80 3)71/80 4)66/80 5)66/80 6)65/80.
4. AD note's 2009-16-03, 2009-19-07 and 2010-11-04 do not apply to this engine.
5. Drained the oil sump, serviced with 11 qts Aeroshell 15W50. Changed the oil filter
6. Dressed nicks from the propeller blades.
7. Cleaned the fuel injector screen.
8. Installed a new induction air filter P/N BA-7705.
9. Cleaned gapped and tested the spark plugs.
10. Cleaned the fuel injector nozzles.
11. Washed the engine with solvent ground ran and checked for oil leaks.

Add 4134.5 To
Hobbs for total

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in a airworthy condition this date 1/30/2013.

Norman E. Groom A&P 2236513 IA

Norman E. Groom

Date
Drain
Acros
N



Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work
		Balance Forward

Beech 58
 N112SF S/N TH-1038
 Cont IO-520-CB-8W
 S/N 282468R

Left Engine Log Entry

9/29/2008
 Hobbs time 1037.2
 A/F Total time 5171.7
 TSMOH 138.7

1. Annual inspection completed per Beech inspection form and maint. Manual.
2. Log research completed A.D. notes checked thru 08-19.
3. Differential compression check reads. 1)68/80 2)72/80 3)73/80 4)72/80 5)74/80 6)69/80.
4. Installed a new induction air filter P/N BA-7705.
5. Drained the oil sump, serviced with 11 qts Aeroshell 15W50. Changed the oil filter
6. Dressed nicks from the propeller blades.
7. Cleaned the fuel injector screen.
8. Serviced the propeller unfeathering accumulator
9. Cleaned gapped and tested the spark plugs.
10. Cleaned the fuel injector nozzles.
11. Installed a new EGT probe P/N 86245
12. Washed the engine with solvent ground ran and checked for oil leaks.

Add 4134.5 To Hobbs for total

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in a airworthy condition this date 9/29/2008.

Norman E. Groom A&P 2236513 IA



Totals – Carry Forward



Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Page
5/22/06			919.1	Balance Forward oil change 11 qts Aeroshell 15W50 9/9	

Beech 58

N112SF S/N TH-1038

Cont IO-520-CB-8W

S/N 282348R

Left Engine Log Entry

9/9/2007

Hobbs time 965.1

A/F Total time 5099.6

TSMOH 66.6

1. Annual inspection completed per Beech inspection form and maint. Manual.
2. Log research completed A.D. notes checked thru 07-19.
3. Differential compression check reads. 1)72/80 2)72/80 3)72/80 4)72/80 5)74/80 6)73/80.
4. Installed a new induction air filter P/N BA-7705.
5. Drained the oil sump, serviced with 11 qts Aeroshell 15W50. Changed the oil filter
6. Dressed nicks from the propeller blades.
7. Cleaned the fuel injector screen.
8. Serviced the propeller unfeathering accumulator
9. Installed new spark plugs P/N RHB32S.
10. Installed new rod ends on the throttle and mixture P/N F34-14M.
11. Cleaned the fuel injector nozzles.
12. Washed the engine with solvent ground ran and checked for oil leaks.

Add 4134.5 To
Hobbs for total

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in a airworthy condition this date 9/9/2007.

Norman E. Groom A&P 2236513 IA



Engine Log Entry

Date 5/22/06 TT 1011.0 Hobbs

Drained the oil sump, serviced with 11 qts.
Aeroshell 15W50 oil. Changed the oil filter.

Norman E Groom A&P 2236513



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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Page: 3
9-19-06	3200.1	-0-	898.5	Balance Forward	
	ENG.			INSTALLED ENGINE O.H. BY PENN YAN AERO IO-520CB	
	5033.0			SN. 282348-R INCLUDING THE FOLLOWING PARTS: NEW	
	AIRFRAME			LORD MOUNTS, VACUUM PUMP, FLUID HOSES & ROLL ON MAHA	
				AIRFRAME SUPPLY. EXISTING PARTS REINSTALLED: EXHAUST	
				SYSTEM, ALTERNATOR, TAXIS HEAT. SEE PENN YAN AERO	
				WORK RELEASE FOR DETAILS AND A.P. COMPLIANCE LIST.	
				PROPELLER & GOVERNOR O.H. BY HOS PROP SERVICE.	
				SEE PROP LOG FOR WORK RELEASE & DETAILS. WORK DONE	
				IACW BEECHCAST 2 MAINTENANCE MANUAL. ENGINE	
				SERVICED WITH RELOSHOCK 100 STRAIGHT MIL.	
				GROUND TEST RUN & 1 HR. TEST FLIGHT SATISFACTORY	
				Nicholas C Cipriano AP372726267	
				ENGINE INSTALLATION	
				I Certify this	
				has been inspected in accordance	
				with an <u>ANNUAL</u> inspection	
				and was determined to be in Air	
				Worthy Condition.	
				Signed: <u>Steve C...</u> AP365649458TH	
	9-19-06	3200.1	-0-	898.5	
	ENG.				
	5033.1				
	AIRFRAME				
				Totals - Carry Forward	



Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work
<i>Balance Forward</i>				

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

IO-520-CB

Engine Model

282348-R

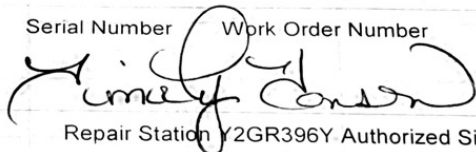
20400-06

8/29/2006

Serial Number

Work Order Number

Date



Repair Station Y2GR396Y Authorized Signature



Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

10-349350-5

Right Magneto - Part Number

K269740FR

Serial Number

BL-349350-4

Left Magneto - Part Number

F06GA012R

Serial Number

653377A3

Injector/Carburetor - Part Number

A06AA169R

Serial Number

646212-38A3

Fuel Pump - Part Number

B06AA218R

Serial Number

C24ST3 (New)

Starter - Part Number

4C3-260603

Serial Number

N/A

N/A

Turbocharger - Part Number

Serial Number

N/A

N/A

Controller - Part Number

Serial Number

N/A

N/A

Controller - Part Number

Serial Number

N/A

N/A

Waste Gate - Part Number

Serial Number

Totals - Carry Forward

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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing
				<i>Balance Forward</i>

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



Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

20400-06

8/29/2006

Work Order Number

Dated

IO-520-CB

Engine Model

282348-R

Serial Number

Dynamic balanced engine per FAA Approved Process Spec. AMP-4302. Installed new Superior P/N: SA52006-A20P cylinder kits.

This engine has been remanufactured to Zero Time Tolerances by Penn Yan Aero.

3200.1

Previous Time in Service

Repair Station Y2GR396Y Authorized Signature

Totals – Carry Forward

