

COMMONWEALTH AVIATION SERVICE, INC
MILLION AIR

d/b/a MILLION AIR - RICHMOND
 CRS VXWR051W

AI Orgain

Registration # N182PE

Manufacturer: Cessna
 Type: 182Q

S/N: 18265584

Log Time: 2607.5
 Findings: N/A

W/O: M101230

Date Opened: 12/21/2010
 Date Closed: 12/21/2010

NO. DISCREPANCY

CORRECTIVE ACTION

MECHANIC

REGULAR HOURS

OVERTIME HOURS

01 C/W dynamic
 propeller
 balance.

Installed Chadwick
 balancer equipment.
 Ran A/C. First run .6
 IPS. Final run .1 IPS
 at takeoff RPM.
 Less than .05 IPS at
 cruise setting.
 Removed balance
 equipment and
 installed cowlings.

12/21
 MH

6.00

COMMONWEALTH AVIATION SERVICE, INC
MILLION AIR
 d/b/a MILLION AIR - RICHMOND
 CRS VXWR051W

Customer: AI Orgain Registration # N182PE

Manufacturer: Cessna
 A/C Type: 182Q S/N: 18265584

Tach Time: 2607.5 W/O: M101230
 Landings: N/A

Date Opened: 12/21/2010
 Date Closed: 12/21/2010

<u>ITEM NO.</u>	<u>DISCREPANCY</u>	<u>CORRECTIVE ACTION</u>	<u>MECHANIC</u>	<u>REGULAR HOURS</u>	<u>OVERTIME HOURS</u>
501	C/W dynamic propeller balance.	Installed Chadwick balancer equipment. Ran A/C. First run .6 IPS. Final run .1 IPS at takeoff RPM. Less than .05 IPS at cruise setting. Removed balance equipment and installed cowlings.	12/21 MH		6.00

N182PE M101230

Quantity	Part Number	Description	Unit	Extended	Freight	Labor Rate	Sales Tax	Page Totals	75 per hour Total Reg. Hours	Total Overtime Hours	Reg. Hours Cost	Overtime Cost	Total Labor Cost	Invoice Total	
Totals					27.34		1.37								
1	Materials	Shop Supplies	20.25	20.25			1.01	28.70	6.00		450.00			450.00	
1	Materials	Hazmat Disposal	7.09	7.09			0.35								478.70

GMA 340 External Music

External music is inop when Com 2 is selected or monitored. Found that the beacon is wired to avionics bus rather than master bus which cuts out the music only on Com 2 when beacon switch is in the ON position. External Music is muted anytime squelch is broken i.e. pilot/copilot speaks, PTT, Tx or Rx on primary Com or when second Com in monitor mode. Theory is that this is caused by the beacon wired to the avionics buss effects the interface between Com 2 and the audio panel.

In order to hear External Music, only Com 1 can be selected. If Com 2 is selected or in monitor mode, it will render External Music inop.

JPI WARRANTY REGISTRATION CARD

Name **POE INCORPORATED** Date **10/17/10** Instrument purchased 700 [] 800 [] 730 [] 830
 Address **1300 Old Logan Rd** City **Manassas VA** ZIP **23103** [] 760
 Make (e.g. Cessna) **C-182Q** Model (e.g. 182) **182Q** Model yr. **1977** Type (e.g. IO520) **0470-50** "N" number **N182PE** w/fuel flow option
 Aircraft **C-182Q** Purchase date/Show **9/11/10** How long did it take to install? _____ hrs Test HP setting _____
 Instrument (JPI) S/N _____
 Flight Test Cyl 1 Cyl 2 Cyl 3 Cyl 4 Cyl 5 Cyl 6 Cyl 7 Cyl 8 Cyl 9 Oil Temp _____ Oil Press _____
 EGT **1439 1421 1407 1399 1363 1354** Rate the magazines that you read (5 is best - 1 is worst)
 CHT **398 387 368 380 372 335** [] AOPA [] Aviation Cons.
 EGT twin _____ [] EAA Sport Av. [] Kit Plane
 CHT twin _____ [] Flying [] Plane & Pilot
 Customer comments _____ [] Trade-a-Plane [] Other _____
 Fuel Press _____ RPM **2300**
 MP **20**
 Fuel Flow **14.42**

This warranty is not valid without flight test temperatures. The temperature ranges are used by JPI to verify proper installation. This information is entered into our database and is used for reference.

Tom Schweitzer

- ① Prop is fine in Prop book
- ② Oil info in Engine book
- ③ Change oil every 4-5 months or 50 hours
- ④ No record change the oil for free - Take Hwy + 1/2
- ⑤ Motor mounts - after market = \$2000

2/8/11



CONTINENTAL

12/21/2010
12/21/2010

Checkout Log

INS

INF

CC

CC

CC

CC

CC

12/21/2010
12/21/2010

N/A

2807.5

Cessna

182Q

AI Organ



A Textron Company

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION _____

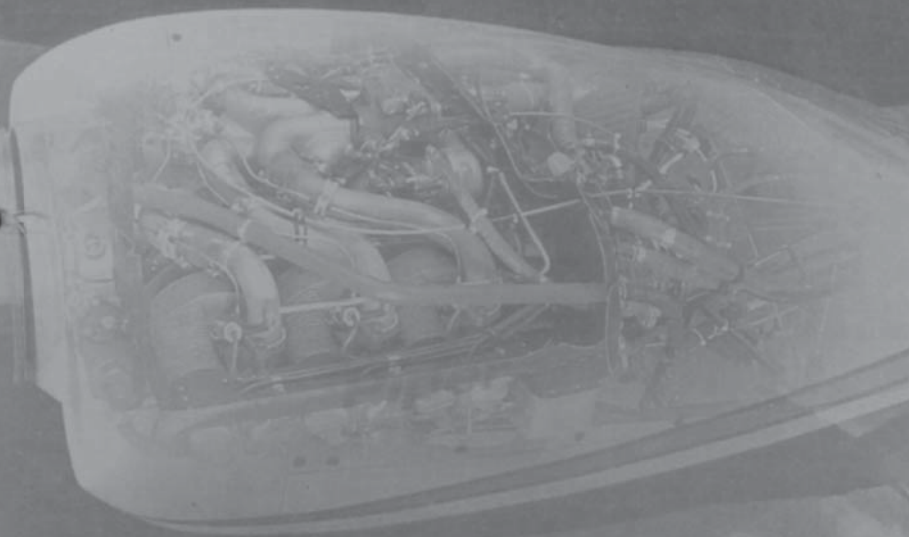
ENGINE MODEL AND SERIAL _____

N 182PE

8-3-13

ENGINE LOG BOOK

N182PE



CONTINENTAL MOTORS

Form No. ELB-01

12/21/2010

N/A

2607.5

Cessna
182Q

AI Orgain

COMM



Cessna

A Textron Company

ENGINE MAINTENANCE RECORD

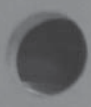
AIRCRAFT SERIAL AND REGISTRATION _____

ENGINE MODEL AND SERIAL N 182PZ

D5518-3-13

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		



Aero

3

Aero
ENGINES
OF WINCHESTER, INC.

615 AIRPORT ROAD #109 • WINCHESTER, VA 22602
(540) 678-1661

8-26-2010 O-470-U-50 S/N 820119-R SMOH: 0

Engine disassembled, cleaned, and inspected at this time for Major Overhaul, and P. Ponk Conversion. All parts were Magnaflexed, Zyglod or visually inspected. Crankcase reworked by Crankcase Services Inc. repair station #H1HR0960, W/O 15866. Crankshaft, connecting rods counter weights and camshaft reworked by Rick Romans repair station #BE2R713K, W/O 45708, 45665, 45707, 44878, 45235. TCM Starter P/N 646238 S/N A017099 and Ford Alternator P/N DOFF10300J S/N A017096 overhauled by Aerotech of Louisville, Inc. certified repair station PU4R453M. Installed new rod bearings SA630826, rod bolts SA629340, rod nuts AEC628108, crank seal SA641250, bearing set SA646593A1M10, starter bearing 537721, piston pin AEC630046, ECI cylinder assembly Cerminil P/N TICN71.4BCA S/N 67702-28, 67839-17, 68672-02, 67702-11, 68672-8, 67702-20, bracket 646298, 646297, nut 646312, lifter asm-hydr 653877, 653888, oil cooler 626189, Slick Magnetos p/n 6310 S/N 10031569, 10031571, harness M2381, and Champion spark plugs RHB32E. Engine was modified in accordance with P. Ponk STC SE4985NM dated March 22, 2001, and assembled in accordance with the manufacturer's parts manual form # X30587A October 1989, and overhaul manual part # X30586A October 1992 and current regulations of the Federal Aviation Administration. Engine assembled using new gaskets and seals. Engine test run satisfactory. AD 85-08-02 N/A, AD 91-19-03 N/A, AD 93-08-17 N/A, AD 93-10-02 N/A, AD 95-21-15 N/A, AD 96-12-04 N/A, AD 96-12-22 N/A, AD 97-21-02 N/A, AD 98-01-08 N/A, AD 98-17-11 N/A, AD 99-19-01 N/A, AD 00-23-21 N/A, AD 07-04-19 R1 N/A.

Aero Engines of Winchester, FAA CRS # [REDACTED]
W/O #100818-1

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
Dec 11, 2010			Remove prop SN 090138	
			Install New prop SN 090360 Test	
			Flown satisfactory [REDACTED]	

WE

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

16/60

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

ME

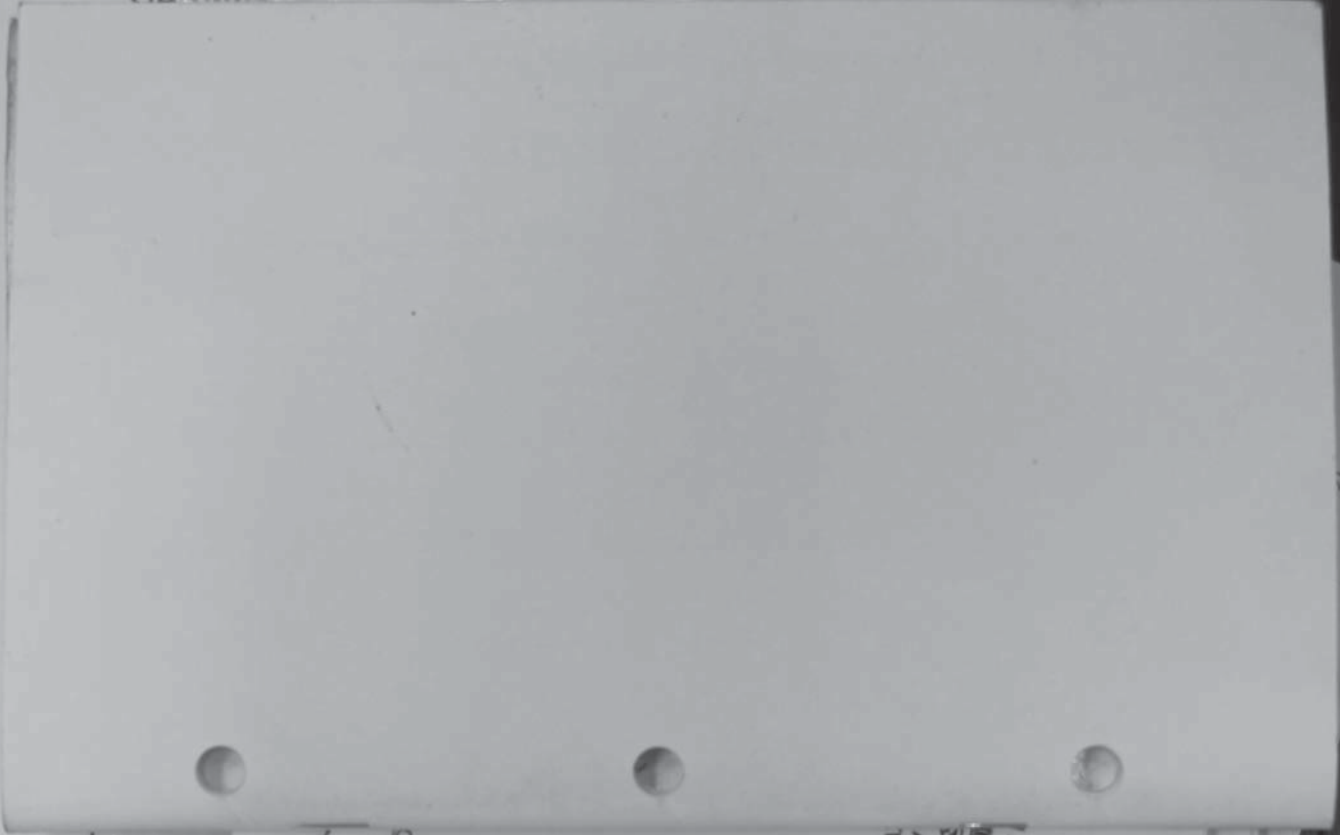
AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

A.D. NUMBER AND AMENDMENT NO.	METHOD OF COMPLIANCE	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE A.D. (X)		NEXT COMPLIANCE DUE-DATE/ HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
			AIRFRAME	COMPONENT	ONE-TIME	RE-CURRING			

161



GARMIN



CORRECTIVE
ACTION

MECH

W/O
S/N

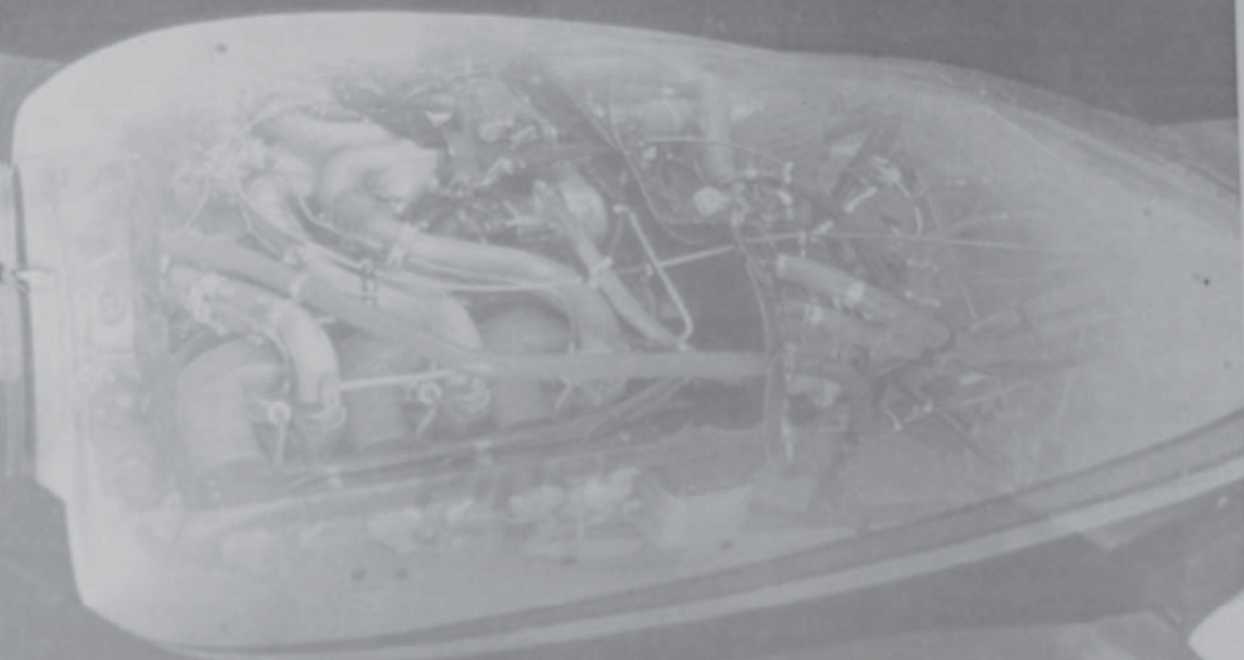
Registration

AVIATION SERVICE,
DENVER
AIR - RICHMOND
WR051W

ENGINEERING
DIVISION

ENGINE LOG BOOK

N182PE



CONTINENTAL MOTORS

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors
 Abbeville Industrial Park
 Suite 159
 Abbeville, AL 36310

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

This engine model 0470013, Serial No. 820119-8, was rebuilt/overhauled on 12/05/2000 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives, Serial Number

SB	AD	REMARKS	SB	AD	REMARKS
N60-1	63-15-01	REPLACED WITH NEW PART	CS894-15	N/A	CRANKCASE STUDS INSPECTION
N79-2	79-05-09	REPLACED WITH NEW PART	WS896-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION
N83-4	88-03-06	REPLACED WITH NEW PART	MS894-8A		MAGNETO TO ENGINE TIMING
N91-10	93-08-17	VISUAL INSPECTION	CS89710A	97-21-02	PISTON PIN PLUG WEAR
N/A	91-10-03	OIL FILTER CHANGE	WS800-5C	2000-08-51	CRANKSHAFT MATERIAL INSPECTION
N92-6	N/A	ROCKER SHAFT RETENTION IMPROVEMENT	CS899-3A	99-09-17	CRANKSHAFT ULTRASONIC INSPECTION
MS893-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE			
CS894-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE			
MS6-2	56-06-01	REPLACED WITH NEW PART			
N/A	94-14-12	N/A			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

TELEDYNE CONTINENTAL MOTORS
 A TELEDYNE TECHNOLOGIES COMPANY

TELEDYNE CONTINENTAL MOTORS
 PRODUCTION CERTIFICATE NO. 508

[Handwritten signature]

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

3/15/01 -0- SFRM 1750 / Tach Time Installed engine on aircraft. Installed 1) Doff 103005 Alternator S/N A158779. 1) C290D3K/T14 S/N 770814 Prop Governor see tag from Servinich Propeller Service. Installed 1) 0750161-87 Muffler Thruud see tag from Aircraft Exhaust System. 2) 0750238-20 Exhaust Stack 2) 0750238-5 Center Line 1) 0750161-89 Muffler Assembly. 1) 540 heat pad. Replaced hoses 156001-4 S 0460, 111417-8 D 0130 Installed (AW m/gw specifications) + instructions Installed 1) CH 48109 Oil filter + 100W Quoyshell Mineral Oil. Engine run + checked for leaks. Checks OK. Note SVC SA00079NY removed for aircraft see Form 337 dated 5/15/01

I CERTIFY THAT THIS engine HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 WO. # 0012271 T.T. 1750h OF SFRM
 DATE 5/15/01 SIGNED: [Redacted]
 JRA EXECUTIVE AIR, INC. HAGERSTOWN, MD 21742
 FAA CRS # JZRR651K

DATE	Total Time	Time SMOH	Tach/Hobbs
01/29/02			1836.2
Drained oil, removed filter, cut open filter and inspdctd contents, nothing of interest found. Installed new CH48109 filter at 18 ft. lbs. Safety wire same in place. Serviced with 11 quarts 15W50 Aeroshell oil. Washed engine and lower cowl down with one quart ID Red engine cleaner. Run up and leak checked ok. Stop drilled two small cracks on prop spinner.			
"I certify that all work accomplished in accordance with all current regulations of the FAA and is in an airworthy condition."			
Signed: [Redacted]			
Sundance Aviation, 11152 Airpark Road, Ashland VA 23005			

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
6/14/02				
Brought Forward	→			
6/14/02	1860.5		110.4	

Engine Service and Maintenance Record

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

Performed Annual Insp FAW CER 43 App A & Manufacturer specs for this engine Drain oil Removal & Replaced oil Filter no metal noted. PINCH4109 Service with 11 qts. Acrosshell 15W50 Inspected all Flight Controls. Performed Compressor FAW SB 84-15 #1 230 #2 630 #3 630 #4 630 #5 250 #6 630. Check AD's to date Checks good. Performed Run up for ops and leak check. Checks good. This engine found to be in airworthy condition and is approved for return to service this date

[Redacted Signature]

DATE: 08/23/02
 TIME SINCE LAST OVERHAUL: 0.0
 TACH/HOBBS: 1870.0

DATE	Total Time	Time SMOH	Tach/Hobbs
08/23/02	0.0	0.0	1870.0

Drained oil and replaced with 12 qts. XC 20/50W. R&R filter with new CH48109 filter. Run up leak check good.
 "I certify that this Engine has been inspected in accordance with a 50hr inspection and was found to be in an airworthy condition."
 Sign: [Redacted]
 Mark T. Christopherson A&P
 Sundance Aviation, 11152 Airpark Road, Ashland VA 23005

Date
 Remarks
 Clean
 respect
 Signa

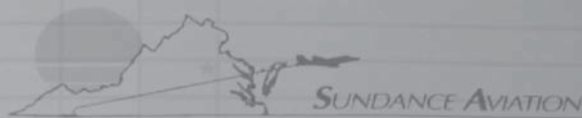
9-13

Record
Inspections,

1 CER
Boithis
Cessna
CH4109
17250
1-15
5380
115
5
Approved
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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

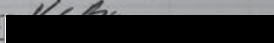
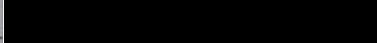
Brought Forward

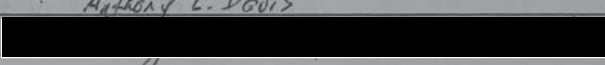


REG #	182PE	DATE	08/29/02
S/N	18265584	MFG	Cessna
HOBBS		MODEL	182Q
TACH	1891.7	TTAF	
TTENG #1		TSMOH #1	
TTENG #2		TSMOH #2	
TTPROP #1		TSMOH PROP #1	
TTPROP #2		TSMOH PROP #2	

AIRFRAME _____ ENGINE X _____ PROPELLER _____

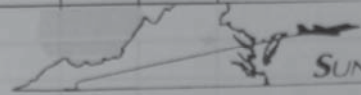
Cleaned engine, run-up and inspected for oil leaks. Found to be airworthy at this time with respect to work performed.

Signature:  Cert. 

9-13-02	1891.1	141.0 141.0	<p>serviced Eng. w/ 2qts of XC 20W50 oil - Removed, cleaned, & inspect oil cooler & oil cooler plate. no Defects noted. Replaced oil cooler plate to crankcase gasket w/new item, and oil cooler to oil cooler plate gasket w/new item. Ground run-up & leak check good at this time. I certify the work described has been insp. & Found to be airworthy at this time.</p> <p>Anthony L. Davis </p>
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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →



SUNDANCE AVIATION

REG #	N182PE	DATE	04/01/03
S/N	18265584	MFG	Cessna
HOBBS		MODEL	182 Q
TACH	1945.1	TTAF	
TTENG #1		TSMOH #1	
TTENG #2		TSMOH #2	
TTPROP #1		TSMOH PROP #1	
TTPROP #2		TSMOH PROP #2	

AIRFRAME ENGINE X PROPELLER

Changed oil and filter serviced with 12 quarts Phillips 20/50 X/C.
Complied with oil sample for analysis.
Run-up and leak check satisfactory.

Signature Kenneth L. Bain

Cert. [Redacted]

07/18/03 TACH 1966.8 TTENG 216.7

- 1) Change oil and filter service w/ 12 qts 20/50
- 2) Clean and gap spark plugs.
- 3) cyl compression I/A/W S/B
M 84-15 low allowable 37/80
#1 74/80 #2 59/80 #3 72/80 #4 67/80
#5 61/80 #6 66/80
- 4) Adjusted mag timings
- 5) AD 2000-23-21 N/A by S/N
- 6) AD 96-12-07 Due 2250.1 TTAF
- 7) Run up and leak check satisfactory. I certify this engine has been inspected I/A/W an Annual Inspection and has been found Airworthy at this time.

[Redacted Signature]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
12/29/03	Tach	2010.8	TAN	260.7	Oil changed. Removed filter & replaced oil filter PN CH48103. Took oil analysis sample. Service with 12 qts. XE Phillips 20/50. Run up for leak check was good.

Heart of Virginia Aviation

11152 Airpark Road Ashland, Virginia 23005

REG #	N182PE	DATE	08/02/04
S/N	18265584	MFG.	Cessna
HOBBS	N/A	MODEL	182Q
TACH	2070.7	TTAF	2070.7
TTENG #1	320.6	TSMOH #1	N/A
TTENG #2	N/A	TSMOH #2	N/A
TTPROP #1	Unknown	TSMOH PROP #1	320.6
TTPROP #2	N/A	TSMOH PROP #2	N/A

AIRFRAME ___ ENGINE X PROPELLER ___

- 1) Changed oil and filter serviced with 12 qts. Phillips 20/50.
- 2) C/W oil sample for analysis.
- 3) Compression check IAW SB 03-3 min. 44/80 #1 71/80 #2 62/80 #3 70/80 #4 68/80 #5 72/80 #6 70/80.
- 4) Timed right mag.
- 5) Re-tensioned alternator belt.
- 6) Replaced 6 spark plugs.
- 7) Run-up and leak check satisfactory.

Signature _____

Cert. _____

Heart of Virginia Aviation

11152 Airpark Road Ashland, Virginia 23005

REG #	N182PE	DATE	08/02/04
S/N	18265584	MFG.	Cessna
HOBBS	N/A	MODEL	182Q
TACH	2070.7	TTAF	2070.7
TTENG #1	320.6	TSMOH #1	N/A
TTENG #2	N/A	TSMOH #2	N/A
TTPROP #1	Unknown	TSMOH PROP #1	320.6
TTPROP #2	N/A	TSMOH PROP #2	N/A

AIRFRAME ___ ENGINE X PROPELLER ___

I certify this engine has been inspected IAW an ANNUAL inspection and has been found to be in airworthy condition at this time.

Signature _____

Cert. _____

Kenneth L. Bain

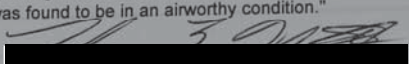
GA

Engine Service and Maintenance Record

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

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought Forward →

DATE	Total Time	Time SMOH	Tach Time	DESCRIPTION OF WORK PERFORMED
08/18/05	2157.2	407.1	2157.2	<p>Inspected Engine IAW Cessna service manual and check lists. Cleaned, checked and lubed all controls. Changed oil with 15-50 Aeroshell and new filter. Compressions: 1;57,245;3;70,4;58,5;73, 6;70 over 80PSI. Resecured wires and hoses as needed. Cleaned, gapped and checked plugs replacing #4 plug with new. All ADs checked to biweekly update 2005-16, see AD lists in logs. Run up and leak checks good.</p> <p>"I certify that this Engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition."</p> <p>Signed:  Thomas E. Kurtz III A&I Heart of Virginia Aviation Ashland VA</p>

N182 PE

June 19, 2006

Aircraft Tach Time:

Work Order 06-0803

Drained oil, removed and inspected filter, no defects noted. Installed CH48109-1 filter and added 8 quarts of Aeroshell 15W50. Washed engine. Ground run and leak check ok.

Andrew J. Grimes


Heart of Virginia Aviation
11152 Airpark Road
Ashland, VA 23005

Heart of Virginia Aviation
N182PE C182Q 29-Aug-06
S/N: 18265584 Work Order #06-0866
Tach Time: 2265.5
TSMOH: 515.4

Complied with an annual inspection in accordance with FAR 43 app. D and the Cessna 182Q maintenance manual

1. Compressions: 1:66/80, 2:61/80, 3:75/80, 4: 64/80; 5:68/80; 6:68/80
2. Cleaned, tested and gapped spark plugs.
3. Checked mag timing and ignition harness.
4. Drained oil, removed and inspected filter. Replaced filter with new and serviced engine with 12 quarts of Phillips XC20w50 oil.
5. Inspected and serviced prop in accordance with a 100 hour inspection.
6. All AD's are complied with at this time.


All work done in accordance with Continental Q-470 maintenance manual. I certify that this engine and prop have been serviced and inspected in accordance with a 100 HOUR INSPECTION and was determined to be in an airworthy condition.


Tommy L. Grimes

Hanover County Airport
11152 Airpark Road
Ashland, VA 23005
(804)798-6500
<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Heart of Virginia Aviation
N182PE C182Q 29-Aug-06
S/N: 18265584 Work Order #06-0866
Tach Time: 2265.5

Concurrent with the above inspection, I certify that this engine has been Serviced and inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.


Tommy L. Grimes

Hanover County Airport
11152 Airpark Road
Ashland, VA 23005
(804)798-6500
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

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

Brought Forward →

Heart of Virginia Aviation		15-Nov-06
N182PE	C182Q	Work Order #06-0952
S/N: 18265584		
Tach 2288.2		
<p>Drained oil, removed filter for inspection - no contamination found. Installed new CH48109-1 oil filter. Serviced aircraft with 12 quarts of Aeroshell 15w50 oil. Run up, Ops and leak check good. All work done in accordance with the Continental O-470 maintenance manual.</p>		
<p>1320</p>		
<p>Hanover County Airport 11152 Airpark Road Ashland, VA 23005 (804)798-6500</p>		
<p>http://www.flyhova.com/hanover</p>		
<p>KOFP - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500</p>		

Heart of Virginia Aviation		7/25/2007
N182PE		Work Order 07-1286
<p>Installed overhauled alternator p/n DOFF10300J-R-E. Ops check ok.</p>		
<p>1320</p>		
<p>Hanover County Airport 11152 Airpark Road Ashland, VA 23005 (804)798-6500</p>		
<p>http://www.flyhova.com/hanover</p>		
<p>KOFP - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500</p>		

N182PE C182Q 20 MAY 07

S/N: 18265584 Tach: 2326.8

RAN ENGINE TO NORMAL OPERATING TEMPERATURES
DRAINED OIL, REMOVED FILTER FOR INSPECTION - NO
CONTAMINATIONS FOUND. INSTALLED NEW CH48109-1
OIL FILTER. SERVICED AIRCRAFT WITH 12 QUARTS
OF AEROSHELL 15W50 OIL. RUN-UP, OPS CHECK
AND LEAK CHECK GOOD. ALL WORK DONE IAW
CONTINENTAL O-470 MAINTENANCE MANUAL.

Andrew Jones

HEART OF VIRGINIA AVIATION

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	
4. Organization Name and Address: KELLY AEROSPACE	
6. Item:	7. Description:
1	ALTERNATOR
13. Remarks: COPY OF WORK ORDER *****	
NOTE: THE FAA-PMA IS OVERHAULED PER CES	

182PE C182Q 20A
N: 18265584 Tach: 2326.8
ENGINE TO NORMAL OPERATING TEMPERA
AINED OIL, REMOVED FILTER FOR INSPECTION.
CONTAMINATIONS FOUND. INSTALLED NEW CH4
FILTER. SERVICED AIRCRAFT WITH 12 QUAR
AEROSHELL 15W50 OIL. RUN-UP, OPS CT
LEAK CHECK GOOD. ALL WORK DONE IAW
CONTINENTAL O-470 MAINTENANCE MANUAL.

ANDREW JONES
ART OF VIRGINIA AVIATION

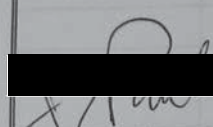

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: H050246	
4. Organization Name and Address: KELLY AEROSPACE POWER SYSTEMS, 2900 SELMA HWY., MONTGOMERY, AL. 36108						
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:
1	ALTERNATOR ***** *****	DOFF10300J MOD/NO END *****	N/A	1	H050246	OVERHAUL
13. Remarks: COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE POWER SYSTEMS CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.4418 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER UT2R226L THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO & ORIG. MFG. COMPLIES WITH PPS-9001 LATEST REVISION. NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA APPROVAL OF THE REPLACEMENT DATA PLATE. OVERHAULED PER CESSNA MANUAL # D5107-1-13, REV 1.						
14. Certifies the items identified above were manufactured in conformity to:			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13			
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.			Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:			16. Approval/Authorization No.:		20. Authorized Signature: [Redacted]	
17. Name (Typed or Printed):			18. Date (m/d/y):		21. Approval/Certificate No: UT2R226L	
[Redacted]			[Redacted]		22. Name (Typed or Printed): Fred Hunter	
[Redacted]			[Redacted]		23. Date (m/d/y): MAY 08 2007	
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 performs 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.						

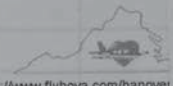
GA
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NO

MA
SE
OD

Heart of Virginia Aviation
N182PE Tach Time 2380.3 9/4/2007
EngineTT 630.2 Work order 07-1330

Complied with a 100 hour inspection in accordance with FAR 43 Appendix D. Compressions as follow: #1 75/80 #2 60/80 #3 70/80 #4 65/80 #3 70/80 #6 65/80. Drained oil. Removed and inspected filter. No defects noted. Installed a new CH48109-1 oil filter. Serviced engine with 12 qts. of Aeroshell 15W50 oil. Replaced all spark plugs, p/n RHB32E. Adjusted RH mag to 24 degrees. Checked magneto timing and ignition harness. Installed a new induction air filter. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition.


James E. Parkman 

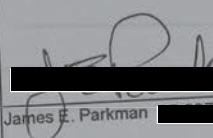
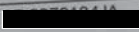

<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

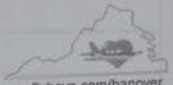
Service and Maintenance Record

Inspections, Airworthiness Directives, Special Inspections, and Service Bulletins

Heart of Virginia Aviation
N182PE Tach Time 2410.2 11/14/2007
Work Order 07-1468

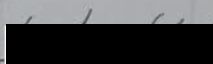

Draind oil. Collected sample for analysis. Removed oil filter for inspection. Small metal particles found. Owner notified. Installed new CH48109 oil filter. Serviced engine with 12 qts Aeroshell 15W50 oil. Washed engine. Leak check and ops check ok.

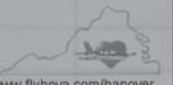

James E. Parkman 


<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Heart of Virginia Aviation
N182PE Tach Time 2390.3 9/27/2007
Work Order 07-1379

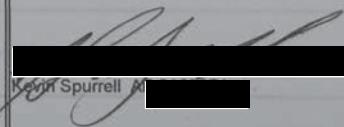

Ran engine. Drained oil and collected sample for oil analysis. Removed and inspected oil filter. Installed new CH48109-1 oil filter. Serviced engine with 12 qts of Aeroshell 15W50 oil. Washed engine. Leak check and ops check ok.



Carl C. Clarke 


<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Heart of Virginia Aviation
182PE Tach Time 2458.5 4/24/2008
Work Order 08-1692

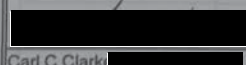

Ran engine. Drained oil and collected sample for analysis. Removed oil filter for inspection. No defects noted. Installed new CH48109 oil filter. Serviced engine with 12 qts Aeroshell 15W50 oil. Washed engine. Leak check and ops check ok.

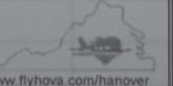

Kevin Spurrell 


<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Heart of Virginia Aviation
N182PE Tach Time 2401.8 10/31/2007
Work Order 07-1440

Ran engine. Drained oil. Collected sample for analysis. Removed filter for inspection. Installed new CH48109 oil filter. Serviced engine with 12 qts of Aeroshell 15W50 oil. Washed engine. Leak check and ops check ok.


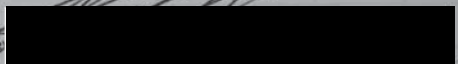
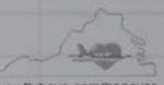

Carl C. Clarke 


<http://www.flyhova.com/hanover>
KOPF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Heart of Virginia Aviation

N182PE Tach time : 2503.1 10/8/2008
EngineTT: 2503.1 TSMOH : 763.0 Work order: 08-1917

Complied with a 100 hour inspection in accordance with FAR 43 Appendix D. Compressions as follow: #1 69/80 #2 bench checked 80/80 #3 73/80 #4 60/80 #5 70/80 #6 66/80. Drained oil. Removed and inspected filter. No defects noted. Installed a new AA48109 oil filter. Serviced engine with 12 qts. of Phillips 20W50 oil. Cleaned, gapped, tested, and rotated sparkplugs. Checked Magneto timing and ignition harness. Installed a new induction air filter. Reinstalled #2 cylinder after repair by Aerodyne Corp (Repair Station # H01R-199K). Installed new EGT probe clamp, p/n 86255., and secured with safety wire. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.


Ke 

<http://www.flyhova.com/hanover>
KOFF - 11152 Airpark Road - Ashland - VA - 23005 (804)798-6500

Service and Maintenance Record
actions, Airworthiness Directives, Special Inspections,
Service Bulletins

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005



Phone: 804-798-6500
Fax: 804-798-6544
WO # A09-2567

November 5, 2009

N182PE
Aircraft Tach: 2542.9 Aircraft Total Time: 2542.9
Engine Total Time: 2542.9 TSO: 792.8

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Drained oil and checked screen, no contamination found. Serviced with 12 quarts of Aeroshell 20W50 oil. Engine cylinder compressions: 1/74, 2/76, 3/75, 4/76. Removed, cleaned, and gapped plugs. All operation and leak checks satisfactory and engine is approved for return to service.

Daniel McSherry 

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

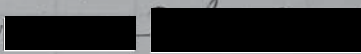


Phone: 804-798-6500
Fax: 804-798-6544
WO # 09-2412

December 08, 2009

N182PE
Aircraft Tach: 2544.7

Replaced tach housing plate, Tach drive adapter, and oil pump gear. All operation and leak checks satisfactory and engine is approved for return to service.

Daniel Mcsherry 

Begin P. Ponk Aviation O-470-50 Engine
 Serial No. 2651 TCM Serial No. 820119-R (note: could be P)

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



8-26-2010 O-470-U-50 S/N 820119-R SMOH: 0

Engine disassembled, cleaned, and inspected at this time for Major Overhaul, and P. Ponk Conversion. All parts were Magnafluxed, Zyglod or visually inspected. Crankcase reworked by Crankcase Services Inc. repair station #H1HR0960, W/O 15866. Crankshaft, connecting rods counter weights and camshaft reworked by Rick Romans repair station #BE2R713K, W/O 45708, 45665, 45707, 44878, 45235. TCM Starter P/N 646238 S/N A017099 and Ford Alternator P/N DOFF10300J S/N A017096 overhauled by Aerotech of Louisville, Inc. certified repair station PU4R453M. Installed new rod bearings SA630826, rod bolts SA629340, rod nuts AEC628108, crank seal SA641250, bearing set SA646593A1M10, starter bearing 537721, piston pin AEC630046, ECI cylinder assembly Cerminil P/N TICN71.4BCA S/N 67702-28, 67839-17, 68672-02, 67702-11, 68672-8, 67702-20, bracket 646298, 646297, nut 646312, lifter asm-hydr 653877, 653888, oil cooler 626189, Slick Magnetos p/n 6310 S/N 10031569, 10031571, harness M2381, and Champion spark plugs RHB32E. Engine was modified in accordance with P. Ponk STC SE4985NM dated March 22, 2001, and assembled in accordance with the manufacturer's parts manual form # X30587A October 1989, and overhaul manual part # X30586A October 1992 and current regulations of the Federal Aviation Administration. Engine assembled using new gaskets and seals. Engine test run satisfactory. AD 85-08-02 N/A, AD 91-19-03 N/A, AD 93-08-17 N/A, AD 93-10-02 N/A, AD 95-21-15 N/A, AD 96-12-04 N/A, AD 96-12-22 N/A, AD 97-21-02 N/A, AD 98-01-08 N/A, AD 98-17-11 N/A, AD 99-19-01 N/A, AD 99-26-21 N/A, AD 07-04-19 R1 N/A.

W/O #100818-1

THE PLANE DOCTOR
SHANNON AIRPORT

Man. Continental Model O-470-50
S/N 821109-R
N 182PE



3328 Shannon Circle.
Fredericksburg, VA 22408
540-371-1151, 540-220-8138

Date 9/11/2010 Tach Time 2581.3 Reinstalled engine after overhaul new loud mounts, filled engine with 40 Mineral Aeroshell. New spark plugs and mags. Checked Mag timing 22, engine Modified As per STC SA5664NM and STC SE4985NM new prop installed at this time, McCauley prop D3A34C401-C/H-90DFA-10 S/N 090138. Checked engine controls, mounts and exhaust system. Checked fuel screens. Adjusted mixture, throttle, and prop control as needed

Compression Check: 74/80 74/80 74/80 73/80 72/80 74/80.

See AD listing with A/C records.

Engine run up checked good.

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

Airframe total time 2581.3 Engine time 000.0 SMOH

2 (be P)

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

Brought Forward →				
10-30-2010	Tach 2599.8	changed oil + filter, filled engine with 20W50 Phillips, checked on run up		

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # 10-0564

N182PE
Aircraft Tach: 2600.0
Installed E-Z heat sump pre-heater (p/n: EZ540) in accordance with E-Z heat instruction manual.

Josh Escalante

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # 10-0635

N182PE
Aircraft Tach: 2605.8
Removed cowl and replaced burnt hoses, replaced air filter, cleaned engine from fire extinguisher spray. Replaced landing light and adjusted flaps. Operational check ok.

Ronald L. Hawkins

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # 11-0803

N182PM
Aircraft Tach: 2633.7
Drained oil and checked screen, no contamination found. Serviced with 12 quarts of Phillips 20W50 oil. Replaced oil filter with new (CH48110-1).

Daniel T. Mcsherr

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # 11-1139

N182PM
Aircraft Tach: 2672.3
Drained oil and checked screen, no contamination found. Serviced with 12 quarts of Phillips 20W50 oil. Replaced oil filter with new (CH48108-1).

Arni E. Einarsson

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # A12-1452

N182PE
Aircraft Tach: 2701.4
Aircraft Total Time: 2701.4
Engine Total Time: 951.3 TSMOH: 120.1
April 9, 2012

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO # 12-1478

N182PE
Aircraft Tach: 2705.5
April 20, 2012
Removed, cleaned, inspected, and reinstalled oil pressure relief valve and spring. Ops check satisfactory. Engine is approved to return to service.

Ronald L. Hawkins

I certify this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition. Drained oil and checked screen, no contamination found. Serviced with 12 quarts of Phillips 20w50 oil. Replaced oil filter with new (CH48108-1). Engine cylinder compressions: 1/70, 2/76, 3/71, 4/75, 5/74, 6/76. Removed, cleaned, and gapped plugs. All operation and leak checks satisfactory and engine is approved for return to service.

Ronald L. Hawkins

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Phone: 804-798-6500
Fax: 804-798-6544
WO #A13-1985
April 24, 2013

N182PE
Aircraft Tach: 2777.4 Aircraft TT: 2777.4 Engine TT: 1027.3 TSO: 196.1
I certify this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition. Drained oil and removed filter, no contamination found. Serviced with 12 quarts of Phillips 20W50. Cylinder compressions: 1/70, 2/78, 3/71, 4/76, 5/73, 6/75. All operation and leak checks satisfactory and engine is approved for return to service.

Daniel Mcsherr

G

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

Brought Forward →

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005
N182PE
Aircraft Tach: 2849.4
Drained oil and removed filter, no contamination found. Serviced with 12 quarts of Phillips 20W50. Replaced one cowling mount. All operation and leak checks satisfactory and engine is approved for return to service.
Daniel Meshery



Phone: 804-798-6500
Fax: 804-798-6544
WO #14-5591
Jan 14, 2014

INST
INFC

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NO

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005
N182PE
Aircraft Tach: 2873.5 Aircraft TT: 2873.5
Engine TT: 1123.4 TSO: 292.2
I certify this engine has been inspected in accordance with a 100 Hour inspection and was determined to be in airworthy condition. Drained oil, no contamination found. Serviced with 12 quarts of Phillips 20W50 oil. Cylinder compressions: 1/72, 2/70, 3/72, 4/76, 5/73, 6/68. All operation and leak checks satisfactory and engine is approved for return to service.
Daniel Meshery



Phone: 804-798-6500
Fax: 804-798-6544
WO #A14- 5668
April 04, 2014

ENGINE M

CRAFT SE

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3-13

Engine Service and Maintenance Record

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

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

Heart of Virginia Aviation
11152 Airport Rd
Ashland, VA 23005
NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
11152 Airport Rd
Ashland, VA 23005
NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
Jan 14, 2014

Heart of Virginia Aviation
11152 Airport Rd
Ashland, VA 23005
NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
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Ashland, VA 23005
NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
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NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
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NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
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NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

Engine Service and Maintenance Record

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

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

Heart of Virginia Aviation
11152 Airport Rd
Ashland, VA 23005
NI827E
Phone: 804-798-6500
Fax: 804-798-6544
WO #A14-5668
April 04, 2014

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WO #A14-5668
April 04, 2014

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WO #A14-5668
April 04, 2014

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WO #A14-5668
April 04, 2014

Heart of Virginia Aviation
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NI827E
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Fax: 804-798-6544
WO #A14-5668
April 04, 2014

FAA FORM 8130-3
AIRWORTHINESS APPROVAL TAG
 Department of Transportation
 Federal Aviation Administration

1. U.S.A.
 Aero Electric, Inc.
 3414 W. 29th Street South
 Wichita, Ks 67217

2. System Tracking Part No.
 A-158779
 A-182523

3. Description
 ALTERNATOR

4. Part Number
 DOFF10300-J

5. Quantity
 * 1

6. Serial Number
 A-158779

7. Order/Work Order
 OHC

8. Remarks
 *To be verified by installer. See W/D. OVERHAULED & CERTIFIED.

9. Signature
 [Redacted]

10. Date
 JAN 11 4 2001

11. Name (Typed or Printed)
 JEFFREY JELLEY

12. Title
 [Redacted]

13. Name (Typed or Printed)
 Walter B. Weller

14. Title
 for Repair Station #QV9R194N

15. Date
 [Redacted]

16. Signature
 [Redacted]

17. Name (Typed or Printed)
 SENSENICH PROPELLER SERVICE, INC.

18. Title
 519 East Airport Road, Litz, PA 17543

19. Date
 [Redacted]

20. Signature
 [Redacted]

21. Name (Typed or Printed)
 [Redacted]

22. Title
 [Redacted]

23. Date
 [Redacted]

24. Signature
 [Redacted]

25. Name (Typed or Printed)
 [Redacted]

26. Title
 [Redacted]

27. Date
 [Redacted]

28. Signature
 [Redacted]

29. Name (Typed or Printed)
 [Redacted]

30. Title
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31. Date
 [Redacted]

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 [Redacted]

37. Name (Typed or Printed)
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 [Redacted]

47. Date
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49. Name (Typed or Printed)
 [Redacted]

50. Title
 [Redacted]

51. Date
 [Redacted]

52. Signature
 [Redacted]

53. Name (Typed or Printed)
 [Redacted]

54. Title
 [Redacted]

55. Date
 [Redacted]

56. Signature
 [Redacted]

57. Name (Typed or Printed)
 [Redacted]

58. Title
 [Redacted]

59. Date
 [Redacted]

60. Signature
 [Redacted]

61. Name (Typed or Printed)
 [Redacted]

62. Title
 [Redacted]

63. Date
 [Redacted]

64. Signature
 [Redacted]

65. Name (Typed or Printed)
 [Redacted]

66. Title
 [Redacted]

67. Date
 [Redacted]

68. Signature
 [Redacted]

69. Name (Typed or Printed)
 [Redacted]

70. Title
 [Redacted]

71. Date
 [Redacted]

72. Signature
 [Redacted]

73. Name (Typed or Printed)
 [Redacted]

74. Title
 [Redacted]

75. Date
 [Redacted]

76. Signature
 [Redacted]

77. Name (Typed or Printed)
 [Redacted]

78. Title
 [Redacted]

79. Date
 [Redacted]

80. Signature
 [Redacted]

81. Name (Typed or Printed)
 [Redacted]

82. Title
 [Redacted]

83. Date
 [Redacted]

84. Signature
 [Redacted]

85. Name (Typed or Printed)
 [Redacted]

86. Title
 [Redacted]

87. Date
 [Redacted]

88. Signature
 [Redacted]

89. Name (Typed or Printed)
 [Redacted]

90. Title
 [Redacted]

91. Date
 [Redacted]

92. Signature
 [Redacted]

93. Name (Typed or Printed)
 [Redacted]

94. Title
 [Redacted]

95. Date
 [Redacted]

96. Signature
 [Redacted]

97. Name (Typed or Printed)
 [Redacted]

98. Title
 [Redacted]

99. Date
 [Redacted]

100. Signature
 [Redacted]

accordance with pair or overhaul


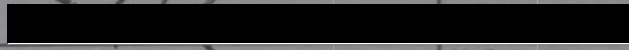
FORM 004

N 182PE	Tach L	C-182 Q	1977	SM 6588
	R	1750-1 @	Hobbs	
	MFR.	3-15-01	PIN	S
Engine	TCM	MODEL		S2011
L-Mag	TCM/EX	D-470-4 (13B)		H3100
R-Mag	R&P Plate	\$6RN-1025	10-349350-4	H2660
	TCM/BP	Stamped "AB"		
	R&P Plate	\$6RN-1225	10-349350-4	
Ignition Switch	R&P Plate	Stamped "AB A"		
Carb/Servo	Green/Black	C292501-0105	A-510	66422
	Precision	M14-5	10-5284	DV11
Fuel Pump	N/A			
F/Dist Block	N/A			
Air Filter	Brackett		BA8110 only	4 New
Starter	TCM		46238-R	D-110
Alternator	Ford	DOFF10300 J		A-158
Governor	M=Cowley		C290D3K/T14	770
Propeller	M=Cowley	C2A34C204-C/		7721
Prop Blades		90DCB-8		
Vacuum Pump	Wilson/Structur	212CW		086
Oil Cooler	TCM		627392	6070
Crankshaft	engine/longer	YU 99-3		10071
Cylinders	TCM	Steel	654960A1	4
Standby Valve	Wilson/Structur	212CW	14520	425
Altimeter				
Airspeed Gage				
P/S Test				

ENGINE

AIRCRAFT

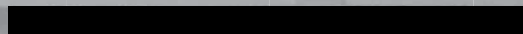
ENGINE M
 D5518-3-13

1. U.S.A.		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration			3. System Tracking Ref. No. A-158779	
4. Organization Aero Electric, Inc. 3414 W. 29th Street South Wichita, Ks 67217				5. Work Order, Contract, or Invoice Number A-182523		
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	ALTERNATOR	DOFF10300-J	*	1	A-158779	OHC
13. Remarks *To be verified by installer. See W/O. OVERHAULED & CERTIFIED. <i>Limited Life parts must be accompanied by maintenance history including total time/total cycles/time since new.</i>						
14. <input type="checkbox"/> New <input type="checkbox"/> Newly Overhauled Certifies that the new or newly overhauled part(s) identified above except as otherwise specified in Block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.			Return to Service in Accordance with FAR 43.9 Certifies that the work specified in Block 13 (or attached) 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.			
15. Signature		16. FAA Authorization No.	20. Authorized Signature 		21. Certificate Number 	
17. Name (Typed or Printed)		18. Date	22. Name (Typed or Printed) JEFFREY JELLEY		23. Date JAN 04 2001	

FAA Form 8130-3 (11-93)

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

Date _____

Signed 

for Repair Station #QV9R194N

SENENICH PROPELLER SERVICE, INC.
519 East Airport Road, Lititz, PA 17543

FORM 004


repair or overhaul

TAG
SERIES

SERVICEABLE

Mfgr. Cessna
Component Mult strand
Model C-182
Part # 0750161-87

The aircraft 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. 54130

Date 2/13/01
Signed 

Aircraft Exhaust Systems, Inc.

P. O. Box 159
New Autumn Estates Road
Jumping Branch, WV 25969
(304) 466-1724

**FAA CERTIFICATED
REPAIR STATION NO. XHYR068L**

The current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # LO9961
Date March 23, 2001

Signed 
for Repair Station #QV9R194N

SENSENICH PROPELLER SERVICE, INC.
519 East Airport Road, Lititz, PA 17543

MAINTENANCE RELEASE

OC290D3K/T14 Description MCCAULEY GOVERNOR Serial No. 770814

REPAIRED (describe) _____

OVERHAULED per the following documents (include revision levels):

Manuals 780401

Service Bulletins THRU 234

Service Letters THRU 2000-21

Service Instructions NA

Service Advisories NA

The following Airworthiness Directives have been complied with:

A.D.	Method of Compliance	Recurs at:
		Date or Hours
<u>NA</u>		

Time Since New Unknown Time Since Overhaul/Major -0-

The item(s) identified above were repaired or overhauled (as indicated) and inspected in accordance with current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # L07961

Date March 23, 2001

Signed [Redacted]
for Repair Station #QV9R194N

SENENICH PROPELLER SERVICE, INC.
519 East Airport Road, Lititz, PA 17543



CONTINENTAL MOTORS

A Teledyne Technologies Company
 P.O. Box 90 Mobile AL 36601 • 334-438-3411



GAMA
 Member Of GAMA
 General Aviation Manufacturing Association

FORM No. ELB-01
 © 2000 TELEDYNE TECHNOLOGIES INCORPORATED

SIAFLES®

1. Aircraft		Nationality and Registration Mark		Serial No.	
		USA		18265584	
		Make		Model	
		CESSNA		C-182Q	
		Name (As shown on registration certificate)		Address (As shown on registration certificate)	
		POE Incorporated		1300 Old Logan Rd	
		City		State	
		Manakin Sabot		VA	
		Zip		Country	
		23103			

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement	
A. Agency's Name and Address	B. Kind of Agency
Name: Heart of Virginia Aviation, Inc	<input checked="" type="checkbox"/> U. S. Certificated Mechanic
Address: Richmond / Hanover Airport	Foreign Certificated Mechanic
City: Ashland State: VA	Certificated Repair Station
Zip: 23005 Country:	Certificated Maintenance Organization
C. Certificate No. 3110300	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attached pages have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual: [Redacted] 9-30-2013

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Civilian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. AP3110300IA Signature/Date of Authorized Individual: Daniel Mahary September 30, 2013 [Redacted]

FAA Form 337 (10-06)



CONTINENTAL MOTORS

A Teledyne Technologies Company
 P.O. Box 90 Mobile AL 36601 • 334-438-3411



Member Of GAMA
 General Aviation Manufacturing Association

FORM No. ELB-01
 © 2000 TELEDYNE TECHNOLOGIES INCORPORATED

1. Aircraft		Nationality and Registration Mark	Serial No.		
		USA N182PE	18265584		
2. Owner		Name (As shown on registration certificate)	Address (As shown on registration certificate)		
		POE Incorporated	1300 Old Logan Rd City Manakin Sabot State VA Zip 23103 Country		
3. For FAA Use Only					
4. Type			5. Unit Identification		
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		
6. Conformity Statement					
A. Agency's Name and Address			B. Kind of Agency		
Name	Heart of Virginia Aviation, Inc		<input checked="" type="checkbox"/>	U. S. Certified Mechanic	Manufacturer
Address	Richmond / Hanover Airport		<input type="checkbox"/>	Foreign Certified Mechanic	C. Certificate No.
City	Ashland	State VA	<input type="checkbox"/>	Certified Repair Station	3110300
Zip	23005	Country	<input type="checkbox"/>	Certified Maintenance Organization	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereon have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>			Signature/Date of Authorized Individual [Redacted] 9-30-2013		
7. Approval for Return to Service					
Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected					
BY	FAA Fil Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee	Repair Station	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
Certificate or Designation No. AP3110300IA		Signature/Date of Authorized Individual September 30, 2013 Daniel Mcshery [Redacted]			

FAA Form 337 (10-06)

FAA Form 8130-3 (Rev. 01)

*Number must cross-check against the applicable technical data.

Statements in Blocks 14 and 19 do not constitute an airworthiness authority. In all cases, aircraft maintenance records must contain an appropriate statement in accordance with the national regulations by the user/installer. The certificate, in all cases, aircraft maintenance records must contain an appropriate statement in accordance with the national regulations by the user/installer. It is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. It is essential that the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1.

Where the user/installer performs 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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

User/Installer Responsibilities

17. Name (Typed or Printed):
18. Date (m/d/y):

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

20. Authorized Signature: [Redacted]

21. Approval/Certificate No.: P4R209J

22. Name (Typed or Printed): Marlon C. Drews
23. Date (m/d/y): 10/5/2009

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/Authorization No.:

17. Name (Typed or Printed): [Redacted]
18. Date (m/d/y):

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

20. Authorized Signature: [Redacted]

21. Approval/Certificate No.: P4R209J

22. Name (Typed or Printed): [Redacted]
23. Date (m/d/y):

11. Remarks

Work indicated, including repair, in Block 12 was performed (FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG, Rev. 01, 10/30/2008). Pertinent details of the above work order are on file at this Repair Facility.

6. Item: 7. Description: 8. Part Number: 9. Eligibility: 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:

1. Form Tracking Number: 2009-59470

2. Form Tracking Number: 66583

3. Form Tracking Number: 2009-59470

4. Organization Name and Address: 170 North 17th Street, Wheeling, West Virginia 26003 (800) 367-1374

5. Work Order/Contract/Invoice Number: [Redacted]

6. Item: 7. Description: 8. Part Number: 9. Eligibility: 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:

1. Form Tracking Number: 2009-59470

2. Form Tracking Number: 66583

3. Form Tracking Number: 2009-59470

4. Organization Name and Address: 170 North 17th Street, Wheeling, West Virginia 26003 (800) 367-1374

5. Work Order/Contract/Invoice Number: [Redacted]

6. Item: 7. Description: 8. Part Number: 9. Eligibility: 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

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

2. Form Tracking Number: INV #:

3. Form Tracking Number: INV #:

4. Organization Name and Address: Aerotech of Louisville, Inc. 2209 Watterson Trail Louisville, KY 40299

5. Work Order, Contract, or Invoice Number: W/O: 98761

6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	Ford Alternator	DOFF10300J	N/A	1	S/N A017096	Overhauled

13. Remarks: This item was Overhauled by Aerotech of Louisville, Inc. on W/O # 98761 Dated 07/26/2010
 FAA Approved repair station number PU4R453M.
 Overhauled unit per overhaul manual TW5000

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: [Redacted]

16. Approval/Authorization No.:

17. Name (Typed or Printed): John C. Evans

18. Date (m/d/y): 07/26/2010

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

20. Authorized Signature: [Redacted]

21. Approval/Certificate No.: PU4R453M

22. Name (Typed or Printed): John C. Evans

23. Date: 07/26/2010

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 performs 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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Aero
ENGINES
OF WINCHESTER, INC.
615 AIRPORT ROAD • # 109
WINCHESTER, VA 22002

Yellow TSS
overhaul
8-26-2010
and
Into on 100 parts
assemble & starting overhaul

EVERY
POLYU

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark USA N182PE	Serial No. 18265584
	Make Cessna	Model 182Q Series
2. Owner	Name (As shown on registration certificate) Poe Incorporated	Address (As shown on registration certificate) 1300 Old Logan Rd. City Manakin Sabot State VA Zip 23103-2724 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME		(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	APPLIANCE	Type Carburetor Manufacturer Precision Airmotive	MA-4-5 10-5284	DV11114

A. Agency's Name and Address		B. Kind of Agency	
Name	David A. Withstandley, P. Ponk Aviation	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
Address	1212 Moore Road #2	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Camano Island State WA	<input type="checkbox"/> Certificated Repair Station	
Zip	98282-8820 Country USA	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B	<input type="checkbox"/>	Signature/Date of Authorized Individual David A. Withstandley [Signature] 09-01-2010
---	--------------------------	---

7. Approval for Return to Service
 Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	X Inspection Authorization	Other (Specify)

Certificate or Designation No.	Signature/Date of Authorized Individual David A. Withstandley [Signature] 09-01-2010
--------------------------------	---

EC SERVICES
 9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 68672-02
 Mfg. ECI Part Number ECE 71.4 CN

Remarks Item has been repaired by
FAA approved process as follows:
 CermiNil™ Process (MPP-9325)
 IFR (MPP-9370)
 Weld (MPP-9375)
 Flange Corner Stud Hole Modification per DWG AEC631397
 Replacement parts per FAA approved applications listing:
 Inspector: [Redacted]

New Barrel Per:
 MPP-8175
 New Cylinder Head

Complied with:
 TCM SB-M92-6
 TCM SB-M85-9
 TCM SB M91-7
 AD 94-05-05
 LYC SI 1297

Date 07/01/10
 CermiNil is a trademark of ECI.

SERVICEABLE

M184A Rev. 1 (03/19/2009) CYLINDER

WARNING *New*

- When installing drive gear or driver onto magneto, torque nut provided to 120 to 180 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in the Champion/Slick L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magnetos, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. 6310
 Magneto Serial No. 10031569
 Date of Installation _____
 L-1543

March 30, 2009

EC SERVICES
 9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 67839-17
 Mfg. ECI Part Number ECE 71.4 CN

Remarks Item has been repaired by
FAA approved process as follows:
 CermiNil™ Process (MPP-9325)
 IFR (MPP-9370)
 Weld (MPP-9375)
 Flange Corner Stud Hole Modification per DWG AEC631397
 Replacement parts per FAA approved applications listing:
 Inspector: [Redacted]

New Barrel Per:
 MPP-8175
 New Cylinder Head

Complied with:
 TCM SB-M92-6
 TCM SB-M85-9
 TCM SB M91-7
 AD 94-05-05
 LYC SI 1297

Date 06/04/10
 CermiNil is a trademark of ECI.

SERVICEABLE

M184A Rev. 1 (03/19/2009) CYLINDER

EC SERVICES
 9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 68672-8
 Mfg. ECI Part Number ECE 71.4 CN

Remarks Item has been repaired by
FAA approved process as follows:
 CermiNil™ Process (MPP-9325)
 IFR (MPP-9370)
 Weld (MPP-9375)
 Flange Corner Stud Hole Modification per DWG AEC631397
 Replacement parts per FAA approved applications listing:
 Inspector: [Redacted]

New Barrel Per:
 MPP-8175
 New Cylinder Head

Complied with:
 TCM SB-M92-6
 TCM SB-M85-9
 TCM SB M91-7
 AD 94-05-05
 LYC SI 1297

Date 07/01/10
 CermiNil is a trademark of ECI.

SERVICEABLE

M184A Rev. 1 (03/19/2009) CYLINDER

EC SERVICES
 9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 17702-2x

Remarks Item has been repaired by
FAA approved process as follows:
 CermiNil™ Process (MPP-9325)
 IFR (MPP-9370)
 Weld (MPP-9375)
 Flange Corner Stud Hole Modification per DWG AEC631397
 Replacement parts per FAA approved applications listing:
 Inspector: [Redacted]

New Barrel Per:
 MPP-8175
 New Cylinder Head

Complied with:
 TCM SB-M92-6
 TCM SB-M85-9
 TCM SB M91-7
 AD 94-05-05
 LYC SI 1297

Date _____
 CermiNil is a trademark of ECI.

SERVICEABLE

M184A Rev. 1 (03/19/2009) CYLINDER

EC SERVICES
 9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 17702-2x

Remarks Item has been repaired by
FAA approved process as follows:
 CermiNil™ Process (MPP-9325)
 IFR (MPP-9370)
 Weld (MPP-9375)
 Flange Corner Stud Hole Modification per DWG AEC631397
 Replacement parts per FAA approved applications listing:
 Inspector: [Redacted]

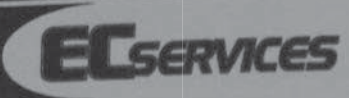
New Barrel Per:
 MPP-8175
 New Cylinder Head

Complied with:
 TCM SB-M92-6
 TCM SB-M85-9
 TCM SB M91-7
 AD 94-05-05
 LYC SI 1297

Date _____
 CermiNil is a trademark of ECI.

SERVICEABLE

M184A Rev. 1 (03/19/2009) CYLINDER



9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

SERVICEABLE

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed [Redacted] Date 07/01/10

Details are on file at this Repair Station under Work Order No.:
100391-1

Champion Aerospace warrants all products manufactured by it to be at the time of delivery free from defects in material and workmanship. This warranty is only applicable if the product is operated, handled, maintained or repaired in accordance with Champion's then current recommendations. Champion's obligation under this warranty is limited to reworking, through a distributor, the replacement cost up to the suggested list price of any product or any part of Champion's obligation to have been defective.

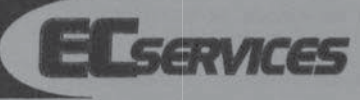
THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WRITTEN, STATUTORY, ORAL OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE OR ANY IMPLIED WARRANTY ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE). Champion does not authorize any person to assume for it any other liability in connection with the sale of its products. This warranty shall not apply to any product or part that exhibits normal wear or any product or part which has been subjected to misuse, neglect or accident. This warranty shall not apply to any product repaired or modified by any party other than Champion; nor does it apply to any product which malfunctions as a consequence of the condition of the engine or engine parts or engine accessories; nor does it apply to any product which malfunctions as a consequence of the condition of the engine or engine parts or engine accessories; nor does it apply to any product not installed and maintained in accordance with the latest revision level of Champion service literature, so as, in our sole judgment, to affect its stability or reliability. In addition, Champion shall not be liable for consequential or other types of damages resulting from the use of Champion products.

Table 1: Warranty Period

Product	Warranty Period
New Magnetos (SN 7100001 and later)	12 Months from date of installation or 24 months from date of manufacture, whichever occurs first.
Ignition Harnesses	
BlackSTART™	
Parts	

Request for warranty consideration must be made on Champion Warranty Form L-1042 (latest revision) within 30 days of the date the ignition component or assembly became inoperative. Products and the completed Form L-1042 (latest revision) must be returned to Champion through a Champion distributor with transportation charges prepaid.

Champion's liability to any purchaser arising out of, connected with, or resulting from the manufacture, sale, delivery, possession, use or handling of any product, whether in design, contract, tort (including negligence), warranty, strict liability otherwise, shall not in any event exceed the purchase price of the product giving rise to the purchaser's claim. The foregoing shall constitute the sole remedy of purchaser and the sole liability of Champion. In no event shall Champion be liable for loss of use, loss of revenue, downtime, lost profits, or for any special, incidental, exemplary or consequential damages.



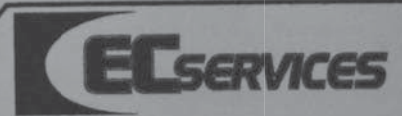
9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

SERVICEABLE

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed [Redacted] Date 06/04/10

Details are on file at this Repair Station under Work Order No.:
100391-1



9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed [Redacted] Date 07/01/10

Details are on file at this Repair Station under Work Order No.:
100391-1

San Antonio, TX 78217-5994

SERVICEABLE

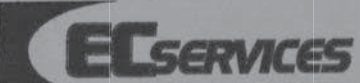


9503 Middlex | San Antonio, TX 78217-5994
 Tel: 210-820-8170 | Fax: 210-820-8171
 Email services@ecservices.aero | www.ecservices.aero
 FAA Certified Repair Station No. AG2R689K

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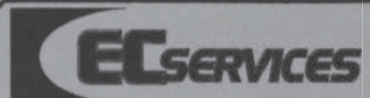
9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 67702-20
Mfg. ECI Part Number ECE 71.4 CN

Remarks **Item has been repaired by**
FAA approved process as follows:
 CermiNil™ Process (MPP-9325) MPP-8175 TCM SB-M92-6
 IFR (MPP-9370) New Cylinder Head TCM SB-M85-9
 Weld (MPP-9375) TCM SB M91-7
 Flange Corner Stud Hole Modification per DWG AEC631397 AD 94-05-05
 Replacement parts per FAA approved applications listing: LYC SI 1297
Inspector: [Redacted] Date: 06/14/10
CermiNil is a trademark of ECI.

M184A Rev. 1 (03/19/2009) CYLINDER

SERVICEABLE



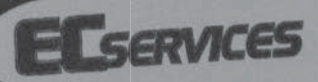
9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 67702-11
Mfg. ECI Part Number ECE 71.4 CN

Remarks **Item has been repaired by**
FAA approved process as follows:
 CermiNil™ Process (MPP-9325) MPP-8175 TCM SB-M92-6
 IFR (MPP-9370) New Cylinder Head TCM SB-M85-9
 Weld (MPP-9375) TCM SB M91-7
 Flange Corner Stud Hole Modification per DWG AEC631397 AD 94-05-05
 Replacement parts per FAA approved applications listing: LYC SI 1297
Inspector: [Redacted] Date: 06/02/10
CermiNil is a trademark of ECI.

M184A Rev. 1 (03/19/2009) CYLINDER

M184A Rev. 1 (03/19/2009) CYLINDER



9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

Item TICN 71.4 CYLASSY Serial Number 67702-28
Mfg. ECI Part Number ECE 71.4 CN

Remarks **Item has been repaired by**
FAA approved process as follows:
 CermiNil™ Process (MPP-9325) MPP-8175 TCM SB-M92-6
 IFR (MPP-9370) New Cylinder Head TCM SB-M85-9
 Weld (MPP-9375) TCM SB M91-7
 Flange Corner Stud Hole Modification per DWG AEC631397 AD 94-05-05
 Replacement parts per FAA approved applications listing: LYC SI 1297
Inspector: [Redacted] Date: 06/02/10
CermiNil is a trademark of ECI.

M184A Rev. 1 (03/19/2009) CYLINDER

SERVICEABLE

Rebuilt

SERVICEABLE

Mfg. Name Continental
Component Name Crankshaft
Model JO-470
Serial R45707-7

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

Pertinent details of the work performed are on file at this facility under the Job Number shown below.

Work Order No. 45707
Date 06/02/10
Signature [Redacted]

RICK ROMANS, INC.
2828 N. SHERIDAN RD.
FAAL

Rebuilt

Rebuilt

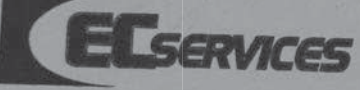
Rebuilt

SERVICEABLE

100391-

SI

100391-



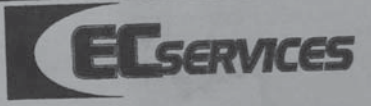
9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

SERVICEABLE

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed _____ Date _____

Details are on file at this Repair Station under Work Order No.:

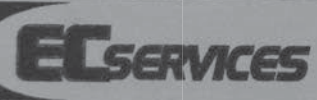


9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed ISRAEL FARIAS Date 06/02/10

Details are on file at this Repair Station under Work Order No.:
100391-1



9503 Middlex | San Antonio, TX 78217-5994
Tel: 210-820-8170 | Fax: 210-820-8171
Email services@ecservices.aero | www.ecservices.aero
FAA Certified Repair Station No. AG2R689K

SERVICEABLE

I certify that the unit listed on the reverse side was repaired and inspected in accordance with current regulations of the FAA and the part is Airworthy and approved for return to service.

Signed _____ Date 06/02/10

Details are on file at this Repair Station under Work Order No.:
100391-1

RECORD OF REPAIR

Magnaflux, Grind rod and main journals
m.10, Penitride Plate Flanges, Install Cvt.
Blade, Bushings Ultrasonic Inspect as per
I.C.M. MSB 96-10

CAUTION

PLEASE CLEAN THIS PART BEFORE INSTALLING

Rebuilt

SERVICEABLE
Continental

SERVICEABLE
Continental

Rebuilt

SERVICEABLE
Mfg. Name Continental

Rebuilt

SERVICEABLE
Continental

Rebuilt

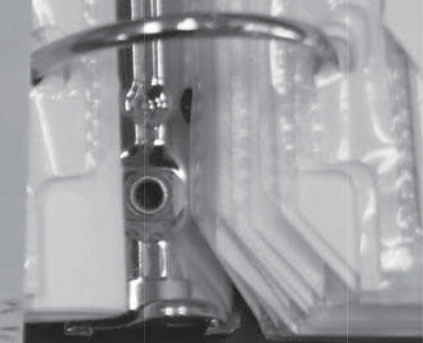
... on the reverse side was repaired and inspected
... with current regulations of the FAA and the part is Airworthy
... for return to service.

Date 08/02/10
... on file at this Repair Station under Work Order No.:
100391d

SERVICEABLE

M.C.O. Renitride Plate Flange Install Cnt.
Blade Bushings Ultrasonic Project as per
I.C.M. MSR 96-10

CAUTION
PLEASE CLEAN THIS PART BEFORE
INSTALLING



SERVICEABLE
Mfg. Name Continental
Component Name Twoea Counterweights
Model 639196
Serial _____
The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.
Pertinent details of the work performed are on file at this facility under the Job Number shown below.
Work Order No. 44878
Date 08/02/10
Signed [Signature]
RICK ROMANS, INC.
2828 N. SHERIDAN RD.
TULSA, OK 74115
REPAIR STATION NO. BE2R713K

Rebuilt
SERVICEABLE
Mfg. Name CONTINENTAL
Component Name Six EA. Conn. Rods
Model IO-520
Serial _____
The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.
Pertinent details of the work performed are on file at this facility under the Job Number shown below.
Work Order No. 45708
Date 08/02/10
Signed [Signature]
RICK ROMANS, INC.
2828 N. SHERIDAN RD.
TULSA, OK 74115
FAA REPAIR STATION NO. BE2R713K

Rebuilt
SERVICEABLE
Mfg. Name CONTINENTAL
Component Name CAMSHAFT
Model 535661
Serial R45665-2
The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.
Pertinent details of the work performed are on file at this facility under the Job Number shown below.
Work Order No. 45665
Date 08/02/10
Signed [Signature]
RICK ROMANS, INC.
2828 N. SHERIDAN RD.
TULSA, OK 74115
FAA REPAIR STATION NO. BE2R713K

Rebuilt
SERVICEABLE
Mfg. Name CONTINENTAL
Component Name Twoea. COUNTERWEIGHTS
Model 639195
Serial _____
The aircraft component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.
Pertinent details of the work performed are on file at this facility under the Job Number shown below.
Work Order No. 45235
Date 08/02/10
Signed [Signature]
RICK ROMANS, INC.
2828 N. SHERIDAN RD.
TULSA, OK 74115
FAA REPAIR STATION NO. BE2R713K

PosiTech Int., Inc. Form F
SERVICEABLE
Rebuilt
P/N 626189 M/N _____
Desc. oil Cooler S/N H09-564
CUSTOMER Aero Engines of WI
W/O # 66583 P/O # 56470
WORK PERFORMED OVERHAULED
Maintenance Release:
The aircraft, airframe, aircraft engine, propeller or article 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 repairs are on file at this repair station under the above listed work order.
Signed [Signature]
Date 10-5-2009
PosiTech International, Inc.
170 North 17th Street
Wheeling, WV 26003
Ph. 304-277-4050 Fax 304-277-4088
FAA APPROVED REPAIR STATION #PC81

L.C.M. MSB 96-10
CAUTION
PLEASE CLEAN THIS PART BEFORE
INSTALLING

RECORD OF REPAIR

MAGNAFLUX AND REBUSH ONLY

CAUTION

PLEASE CLEAN THIS PART BEFORE
INSTALLING

RECORD OF REPAIR

REGROUND LOBES TO APPROVED
SPECIFICATIONS. MAGNAFLUX

NOTICE: New or reconditioned lifter
bodies or cam followers **MUST** be
used with new or reground
camshafts at overhaul.

CAUTION

PLEASE CLEAN THIS PART BEFORE
INSTALLING

RECORD OF REPAIR

MAGNAFLUX, REBUSH, RECONDITION AS NECESSARY
CHECK ALIGNMENT

CAUTION

PLEASE CLEAN THIS PART BEFORE
INSTALLING

RECORD OF REPAIR

Magnaflux, Rebrush

CAUTION

PLEASE CLEAN THIS PART BEFORE
INSTALLING

SERVICE

Signed J. SPAIN Date 06/02/10
Details are on file at this Repair Station under Work Order No.: 1003914

US Dept
of Trans
Federal
Admin

INST
Instr
SAC

1.8

SERVICEABLE


AVERY®
POLY-VU

Teledyne Continental
A Teledyne Technologies Company


GENUINE CONTINENTAL® PARTS

12 EA 653877 6S

LIFTER ASM-HYDR



653877




Teledyne Continental Motors, Inc.
A Teledyne Technologies Company


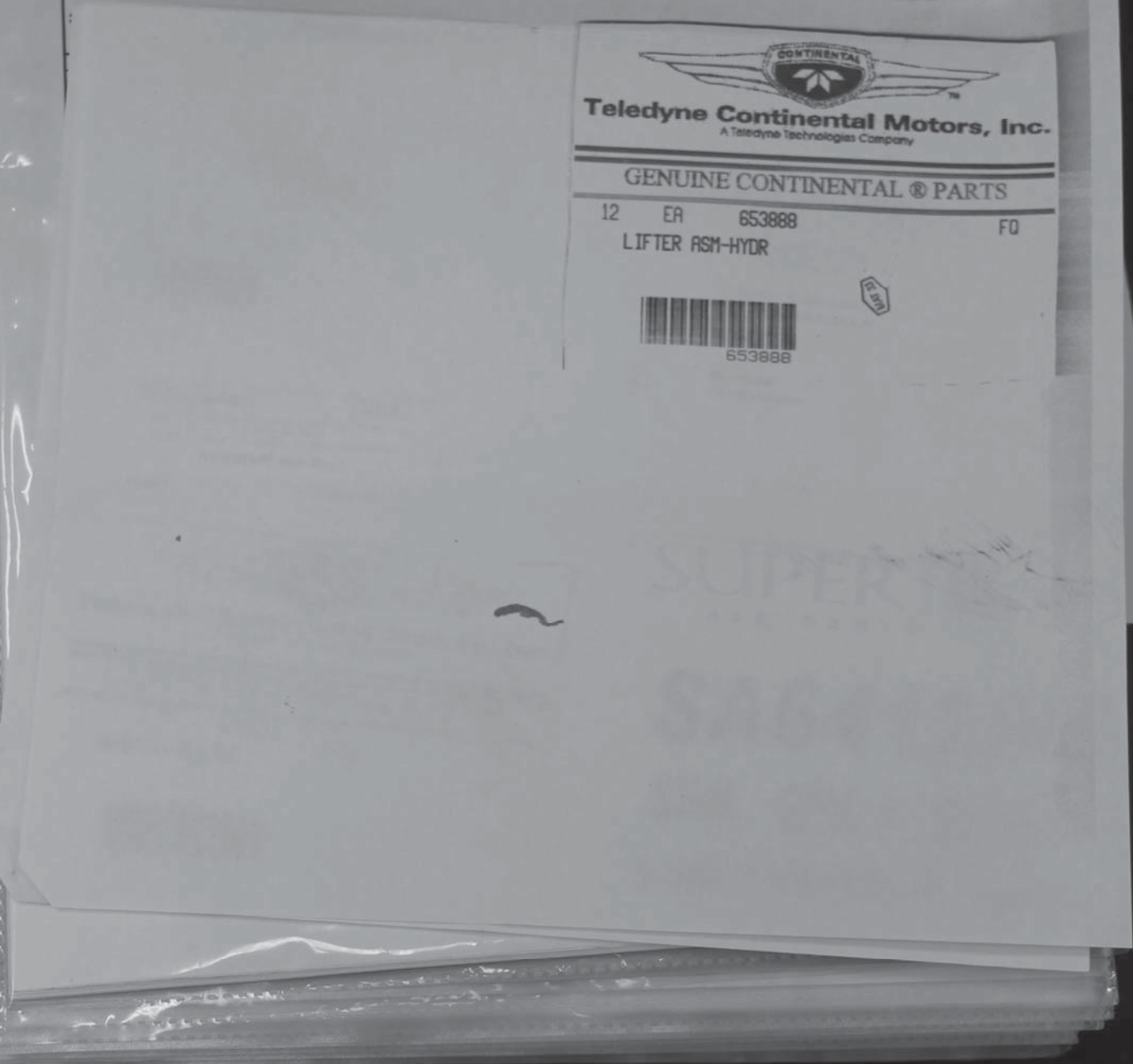
GENUINE CONTINENTAL® PARTS

12 EA 653888 6Q

LIFTER ASM-HYDR



653888

Champion Aerospace warrants all products manufactured by it to be at the time of delivery free from defects in material and workmanship. This warranty is only applicable if the product is operated, handled, maintained or repaired in accordance with Champion's then current recommendations. Champion's obligation under this warranty is limited to reworking, through a distributor, the replacement (at no charge) of any product or any part of any product which shall, within the warranty period in Table 1, after installation by the first end user, be returned to Champion for examination and found to be Champion's satisfaction to have been defective.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WRITTEN, STATUTORY, ORAL OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE OR ANY IMPLIED WARRANTY ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE). Champion does not address any person to assume for any other liability in connection with the sale of its products. This warranty shall not apply to any product or part that exhibits normal wear or any product or part which has been subjected to misuse, neglect or accident, nor does it apply to any product, repaired or replaced by any party other than Champion; nor does it apply to any product subjected to corrosion or other materials applied to the exterior or interior of the product or part; nor does it apply to any product which malfunctions as a consequence of the condition of the engine or engine parts or engine accessories; nor does it apply to any products not installed and maintained in accordance with the latest revision level of Champion Service Manuals, as so, in her sole judgment, to affect the quality or reliability. In addition, Champion shall not be liable for consequential or other types of damages resulting from the use of Champion products.

Table 1: Warranty Period

Product	Warranty Period
New Magnetix (SR 71000) and used	12 Months from date of installation or 24 months from date of manufacture, whichever occurs first.
Ignifuel Harnesses	
StackSTART™	
Parts	

Request for warranty consideration must be made on Champion Warranty Form L-1042 (latest revision) within 90 days of the date the ignition component or assembly became inoperative. Products and the completed Form L-1042 (latest revision) must be returned to Champion through a Champion distributor with transportation charges prepaid.

Champion's liability to any purchaser arising out of, connected with, or resulting from the manufacture, sale, delivery, possession, use or handling of any product, whether in design, construction, production, maintenance, warranty, recall liability otherwise, shall not in any event exceed the purchase price of the product.

TITAN PRODUCTS 1-800-324-2359
210.820.8101
For installation eligibility refer to EC's Cylinder Class Reference
Manual or www.ec2ly.com
Produced by Aerospace Engineering Corp. and sold exclusively through EC.
AEC629340 Bolt 4(ea)
FAA/PMA Lot # 50308/09109 Rev A

TITAN PRODUCTS 1-800-324-2359
210.820.8101
For installation eligibility refer to EC's Cylinder Class Reference
Manual or www.ec2ly.com
Produced by Aerospace Engineering Corp. and sold exclusively through EC.
AEC630046 Piston Pin 1(ea)
FAA/PMA Lot # PPAC166-046 Rev D

4 Ea 646297
BRACKET HP

2 Ea 646298
BRACKET HP

6 Ea 646312
NUT HP

TITAN PRODUCTS 1-800-324-2359
210.820.8101
For installation eligibility refer to EC's Cylinder Class Reference
Manual or www.ec2ly.com
Produced by Aerospace Engineering Corp. and sold exclusively through EC.
AEC628109 Nut 4(ea)
FAA/PMA Lot # 3377/100509 Rev C

SA630826 M10
BEARING QTY. 4 12/17/09
FAA-PMA REV. J M090073390
FOR ELIGIBILITY INFORMATION REFER TO WWW.SUPERIORAIRPARTS.COM OR 972-829-4600

SA630826 M10
BEARING QTY. 4 12/17/09
FAA-PMA REV. J M090073390
FOR ELIGIBILITY INFORMATION REFER TO WWW.SUPERIORAIRPARTS.COM OR 972-829-4600

SA630826 M10
BEARING QTY. 4 12/17/09
FAA-PMA REV. J M090073390
FOR ELIGIBILITY INFORMATION REFER TO WWW.SUPERIORAIRPARTS.COM OR 972-829-4600

SUPERIOR
AIR PARTS, INC.

SA646593A1M10
BEARING SET

Eligibility: IO-520 B,BA,C,M
TSIO-520 B,D,E,J,K,L,N

4ea SA 646288*
10ea SA 642839 M10*

*FAA/PMA

SUPERIOR
AIR PARTS INC

SA641250
SEAL QTY. 1 02/15/1

FAA-PMA REV. J M090073390

Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

GENUINE CONTINENTAL® PARTS

1 EA 537721 **KR**
BEARING-NEEDLE



WARNING

New

- When installing drive gear or driver onto magneto, torque nut provided to 120 to 180 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in the Champion/Slick L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magnetos, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No.

6310

Magneto Serial No.

10031571

Date of Installation

L-1543

March 30, 2009

Aero ENGINES
OF WINCHESTER, INC.
615 AIRPORT ROAD • # 109
WINCHESTER, VA 22602

Yellow TASS
overhaul.
8-26-2016
and
Tube in two parts
assembled during overhaul.

AVERY®
POLYMER

FAA Logo		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)			Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number For FAA Use Only
INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))						
1. Aircraft	Nationality and Registration Mark USA N182PE	Serial No.	18265584			
	Make Cessna	Model	182Q	Series		
2. Owner	Name (As shown on registration certificate) Poe Incorporated		Address (As shown on registration certificate) 1300 Old Logan Rd. City Manakin Sabot State VA Zip 23103-2724 Country USA			
3. For FAA Use Only						
4. Type		5. Unit Identification				
Repair	Alteration	Unit	Make	Model	Serial No.	
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME		(As described in item 1 above)		
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT				
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	APPLIANCE	Type Carburetor Manufacturer Precision Airmotive	MA-4-5 10-5284	DV11114	
6. Conformity Statement						
A. Agency's Name and Address			B. Kind of Agency			
Name David A. Withstandley, P. Ponk Aviation			<input checked="" type="checkbox"/> U. S. Certified Mechanic			
Address 1212 Moore Road #2			Foreign Certified Mechanic		C. Certificate No.	
City Camano Island State WA			Certificated Repair Station			
Zip 98282-8820 Country USA			Certificated Maintenance Organization			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.						
Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>		Signature/Date of Authorized Individual David A. Withstandley			09-01-2010	
Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected						
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport		
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)		
Certificate or Designation No. IA 47625538		Signature/Date of Authorized Individual David A. Withstandley			09-01-2010	